



GREE ELECTRIC APPLIANCES, INC. OF ZHUHAI

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1. Summary

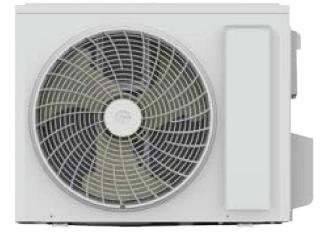
Indoor Unit:

A1 Panel:

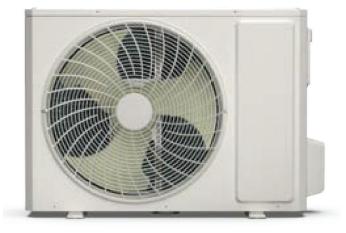


Outdoor Unit:

GWH09AACXB-K6DNA1B/O GWC09AACXB-K6DNA1B/O GWH12AACXB-K6DNA1A/O



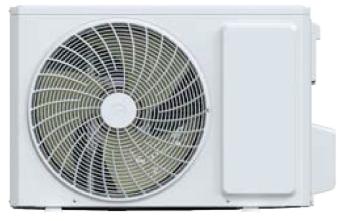
GWC24AAEXF-K6DNA1B/O GWH24AAEXF-K6DNA1B/O



A4 Panel:



GWC18AADXE-K6DNA1A/O GWH18AADXE-K6DNA1A/O



Remote Controller:

YAP1F7(WiFi)



Model list:

No	Model	Product code	Indoor model	Indoor product code	Outdoor model	Outdoor product code
1	GWC09AACXB-K6DNA1B	CB476007800	GWC09AACXB-K6DNA1B/I	CB476N07800	GWC09AACXB-K6DNA1B/O	CB476W07800
2	GWH09AACXB-K6DNA1B	CB476007700	GWH09AACXB-K6DNA1B/I	CB476N07700	GWH09AACXB-K6DNA1B/O	
3	GWH09AACXB-K6DNA4B	CB479007500	GWH09AACXB-K6DNA4B/I	CB479N07500	GWHU9AACAB-KODINA IB/O	CD4/000//00
4	GWH12AACXB-K6DNA4A	CB479007400	GWH12AACXB-K6DNA4A/I	CB479N07400	GWH12AACXB-K6DNA1A/O	CB476W07600
5	GWC18AADXE-K6DNA1A	CB476008200	GWC18AADXE-K6DNA1A/I	CB476N08200	GWC18AADXE-K6DNA1A/O	CB476W08200
6	GWH18AADXE-K6DNA4A	CB479007300	GWH18AADXE-K6DNA4A/I	CB479N07300	GWH18AADXE-K6DNA1A/O	
7	GWH18AADXE-K6DNA1A	CB476008000	GWH18AADXE-K6DNA1A/I	CB476N08000	GWH TOAADAE-KODINA TA/O	СБ470000000
8	GWC24AAEXF-K6DNA1B	CB476008400	GWC24AAEXF-K6DNA1B/I	CB476N08400	GWC24AAEXF-K6DNA1B/O	CB476W08400
9	GWH24AAEXF-K6DNA1B	CB476008300	GWH24AAEXF-K6DNA1B/I	CB476N08300	GWH24AAEXF-K6DNA1B/O	CB476W08300
10	GWH24AAEXF-K6DNA4B	CB479007200	GWH24AAEXF-K6DNA4B/I	CB479N07200	GWI124AAEAF-RODINATB/O	CD470000300

2.1 Specification Sheet

Model			GWH09AACXB-K6DNA1B GWH09AACXB-K6DNA4B	GWC09AACXB-K6DNA1B	
Product Cod	le		CB476007700 CB479007500	CB476007800	
Power Rated Voltage		V~	220-240	220-240	
	Rated Frequency	Hz	50	50	
Supply	Phases		1	1	
Power Supp	ly Mode		Outdoor	Outdoor	
Cooling Cap	acity	W	2500	2500	
Heating Cap	pacity	W	3000	/	
Cooling Pow	ver Input	W	610	610	
Heating Pow	ver Input	W	710	/	
Cooling Curr	rent Input	Α	2.7	2.7	
Heating Curi	rent Input	Α	3.15	/	
Rated Input	·	W	1200	1100	
Rated Coolir	ng Current	Α	4.9	4.9	
Rated Heatir	-	Α	5.3	/	
	ume(SS/H/MH/M/ML/L/SL/SM)	m ³ /h	630/570/540/470/440/420/390	630/570/540/470/440/420/390	
Dehumidifyir		L/h	0.8	0.8	
EER	5	W/W	4.1	4.05	
COP		W/W	4.23	/	
SEER		W/W	/	/	
HSPF		W/W	/	/	
Application A	Area	m ²	12-18	12-18	
, apprication ,	Model		GWH09AACXB-K6DNA1B/I GWH09AACXB-K6DNA4B/I	GWC09AACXB-K6DNA1B/I	
	Product Code		CB476N07700 CB479N07500	CB476N07800	
	Fan Type		Cross-flow	Cross-flow	
	Fan Diameter Length(DXL)			Ф98×633.5	
	Cooling Speed	r/min	1200/1100/1050/950/800/700/650/500	1200/1100/1050/950/800/700/650/500	
	Heating Speed	r/min	1200/1100/1040/950/900/880/850	1	
	Fan Motor Power Output	W	20	20	
	Fan Motor RLA	A	0.09	0.09	
	Fan Motor Capacitor	μF	/	/	
	Evaporator Form	μι	Aluminum Fin-copper Tube	Aluminum Fin-copper Tube	
ladaan linit	•	mm	Φ5	Φ5	
indoor Unit	Evaporator Pipe Diameter	mm	<u>Ψ5</u> 2-1.4		
	Evaporator Row-fin Gap	mm		2-1.4	
	Evaporator Coil Length (LXDXW)	mm	635×22.8×306.3	635×22.8×306.3	
	Swing Motor Model		MP24HF	MP24HF	
	Swing Motor Power Output	W	1.5	1.5	
	Fuse Current	A	3.15	3.15	
	Sound Pressure Level	dB (A)	Cooling:40/38/35/32/26/23/21 Heating:40/38/35/33/30/29/28	40/38/35/32/26/23/21	
	Sound Power Level	dB (A)	Cooling:51/48/45/42/36/33/31 Heating:50/48/45/43/40/39/38	51/48/45/42/36/33/31	
		mm	849×289×215	849×289×215	
	Dimension (WXHXD)				
	Dimension (WXHXD) Dimension of Carton Box (LXWXH)	mm	897×341×268	897×341×268	
	Dimension of Carton Box (LXWXH)				
		mm	897×341×268 902×357×279 10	897×341×268 902×357×279 10	

	Outdoor Unit Model		GWH09AACXB-K6DNA1B/O	GWC09AACXB-K6DNA1B/O
	Outdoor Unit Product Code		CB476W07700	CB476W07800
	Compressor Manufacturer		ZHUHAI LANDA COMPRESSOR CO., LTD	ZHUHAI LANDA COMPRESSOR CO., LTD
	Compressor Model		QXF-A082zC170	QXF-A082zC170
	Compressor Oil		ZE-G;ES RB68GX or equivalent	ZE-G:ES RB68GX or equivalent
	Compressor Type		Rotary	Rotary
	Compressor LRA.	А	15.00	15.00
	Compressor RLA	A	2.56	2.56
	Compressor Power Input	W	756.6	756.6
	Compressor Overload Protector			/
	Throttling Method		Electron expansion valve	Electron expansion valve
	Set Temperature Range	°C	16~30	16~30
	Cooling Operation Ambient Temperature Range	°C	-10~50	-10~50
	Heating Operation Ambient Temperature Range	°C	-15~24	10 00
	Condenser Form	0	Aluminum Fin-copper Tube	Aluminum Fin-copper Tube
	Condenser Pipe Diameter	mm	Φ7.94	Φ7.94
	Condenser Rows-fin Gap	mm	1-1.4	1-1.4
	Condenser Coil Length (LXDXW)	mm	666×19.05×527	666×19.05×527
	Fan Motor Speed	rpm	900	900
	Fan Motor Power Output	W	30	30
Outdoor	Fan Motor RLA	A	0.40	0.40
Unit	Fan Motor Capacitor	μF	/	/
		m³/h		1
	Outdoor Unit Air Flow Volume	m /n	1950 Avial flavo	1950 Aviel fleve
	Fan Type		Axial-flow	Axial-flow
	Fan Diameter	mm	Ф400	Ф400
	Defrosting Method		Automatic Defrosting	/
	Climate Type		T1	T1
	Isolation		I	I
	Moisture Protection		IPX4	IPX4
	Permissible Excessive Operating Pressure for the Discharge Side	MPa	4.3	4.3
	Permissible Excessive Operating Pressure for the Suction Side	MPa	2.5	2.5
	Sound Pressure Level (H/M/L)	dB (A)	51	50
	Sound Power Level (H/M/L)	dB (A)	61	61
	Dimension(WXHXD)	mm	732×555×330	732×555×330
	Dimension of Carton Box (LXWXH)	mm	791×373×590	791×373×590
	Dimension of Package(LXWXH)	mm	794×376×615	794×376×615
	Net Weight	kg	24	23.5
	Gross Weight	kg	26.5	26
	Refrigerant		R32	R32
	Refrigerant Charge	kg	0.5	0.5
	Connection Pipe Length	m	5	5
	Connection Pipe Gas Additional Charge	g/m	16	12
	Outer Diameter Liquid Pipe	inch	1/4"	1/4"
onnection	Outer Diameter Gas Pipe	inch	3/8"	3/8"
Pipe	Max Distance Height	m	10	10
	Max Distance Length	m	15	15
	Note: The connection pipe applies metric diameter			10

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

Model			GWC18AADXE-K6DNA1A	GWH12AACXB-K6DNA4A	
Product Cod	e		CB476008200	CB479007400	
Dowor	Rated Voltage	V~	220-240	220-240	
Power	Rated Frequency	Hz	50	50	
Supply	Phases		1	1	
Power Suppl	ly Mode		Outdoor	Outdoor	
Cooling Cap	acity	W	5275	3517	
-leating Cap		W	1	3800	
Cooling Pow	•	W	1370	915	
leating Pow		W	1	950	
Cooling Curr	-	Α	6.5	4.3	
leating Curr	rent Input	Α	1	4.5	
Rated Input		W	1750	1800	
Rated Coolir	-	Α	9	7.5	
Rated Heatir		Α	/	8	
	ume(SS/H/MH/M/ML/L/SL/SM)	m³/h	950/850/810/750/680/610/520	680/590/530/470/430/390/350	
Dehumidifyir	ng Volume	L/h	1.8	1.4	
ER		W/W	3.85	3.84	
COP		W/W	/	4	
SEER		W/W	/	/	
ISPF		W/W	/	1	
Application A	Area	m²	23-34	16-24	
	Model		GWC18AADXE-K6DNA1A/I	GWH12AACXB-K6DNA4A/I	
	Product Code		CB476N08200	CB479N07400	
	Fan Type		Cross-flow	Cross-flow	
	Fan Diameter Length(DXL)	mm	Ф106×706	Ф98×633.5	
	Cooling Speed	r/min	1400/1300/1150/1000/850/800/650	1350/1200/1100/1000/920/850/750/50	
	Heating Speed	r/min	1	1350/1200/1120/1050/980/900/850	
	Fan Motor Power Output	W	50	20	
	Fan Motor RLA	Α	0.25	0.09	
	Fan Motor Capacitor	μF	/	/	
	Evaporator Form		Aluminum Fin-copper Tube	Aluminum Fin-copper Tube	
	Evaporator Pipe Diameter	mm	Φ7	Φ5	
ndoor Unit	Evaporator Row-fin Gap	mm	2-1.4	2-1.4	
ndoor Unit	Evaporator Coil Length (LXDXW)	mm	715×25.4×304.8	635×305×22.8	
	Swing Motor Model		MP35CP	MP24HF	
	Swing Motor Power Output	W	2.5	1.5	
	Fuse Current	A	3.15	3.15	
	Sound Pressure Level	dB (A)	48/45/42/37/32/30/24	Cooling:43/39/35/32/30/28/24	
	Sound Power Level	dB (A)	58/55/52/47/42/40/34	Heating:43/39/37/35/32/30/28 Cooling:58/54/50/47/45/43/39 Heating:58/54/52/50/47/45/43	
	Dimension (WXHXD)	mm	970×300×225	849×289×215	
	Dimension of Carton Box (LXWXH)	mm	1017×366×285	897×341×268	
	Dimension of Package (LXWXH)	mm	1020×369×295		
	.			902×357×279	
	Net Weight	kg	13	10 12	

	Outdoor Unit Model		GWC18AADXE-K6DNA1A/O	GWH12AACXB-K6DNA1A/
	Outdoor Unit Product Code		CB476W08200	CB476W07600
	Compressor Manufacturer		ZHUHAI LANDA COMPRESSOR CO., LTD	ZHUHAI LANDA COMPRESSOR CO., LTD
	Compressor Model		QXF-B103zH170F	FTz-AN108ACBD
	Compressor Oil		RB68GX or equivalent	FW68DA or equivalent
	Compressor Type		Rotary	Rotary
	Compressor LRA.	А	1	/
	Compressor RLA	А	4.00	4.40
	Compressor Power Input	W	870	857
	Compressor Overload Protector		/	/
	Throttling Method		Electron expansion valve	Electron expansion valve
	Set Temperature Range	°C	16~30	16~30
	Cooling Operation Ambient Temperature Range	°C	-10~50	-10~50
	Heating Operation Ambient Temperature Range	°C	/	-15~24
	Condenser Form		Aluminum Fin-copper Tube	Aluminum Fin-copper Tube
	Condenser Pipe Diameter	mm	Φ7	Φ7
	Condenser Rows-fin Gap	mm	2-1.4	2-1.4
	Condenser Coil Length (LXDXW)	mm	865×38.1×528	700×38.1×528
	Fan Motor Speed	rpm	1000	900
	Fan Motor Power Output	W	40	30
Outdoor	Fan Motor RLA	A	0.70	0.40
Unit	Fan Motor Capacitor	μF	/	/
	Outdoor Unit Air Flow Volume	m ³ /h	3000	1950
	Fan Type	111 /11	Axial-flow	Axial-flow
	Fan Diameter	mm	Φ445	Φ400
	Defrosting Method		/	Automatic Defrosting
	Climate Type		, T1	T1
	Isolation			1
	Moisture Protection		IPX4	IPX4
	Permissible Excessive Operating Pressure for the Discharge Side	MPa	4.3	4.3
	Permissible Excessive Operating Pressure for the Suction Side	MPa	2.5	2.5
	Sound Pressure Level (H/M/L)	dB (A)	57	52
	Sound Pressure Level (H/M/L)	dB (A)	67	61
	Dimension(WXHXD)		873×555×376	732×555×330
	Dimension of Carton Box (LXWXH)	mm	948×428×591	791×373×590
	Dimension of Package(LXWXH)	mm mm	951×431×620	791×375×590
	Net Weight	kg	35	26.5
	Gross Weight	kg	38	20.5
	Refrigerant	ĸġ	R32	R32
	Refrigerant Charge	ka	1	0.75
	Connection Pipe Length	kg m	5	5
	Connection Pipe Cas Additional Charge		12	16
	Outer Diameter Liquid Pipe	g/m	1/4"	1/4"
onnection		inch	1/4	3/8"
Pipe	Outer Diameter Gas Pipe	inch		
	Max Distance Height	m	10	10
	Max Distance Length Note: The connection pipe applies metric diameter	m	25	20

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

Model			GWC24AAEXF-K6DNA1B	GWH24AAEXF-K6DNA1B GWH24AAEXF-K6DNA4B
Product Cod	le		CB476008400	CB476008300 CB479007200
Dowor	Rated Voltage	V~	220-240	220-240
Rated Frequency		Hz	50	50
Supply	Phases		1	1
Power Suppl	ly Mode		Outdoor	Outdoor
Cooling Cap	acity	W	7100	7100
leating Cap	acity	W	/	7100
Cooling Pow		W	1920	1920
leating Pow	ver Input	W	/	1870
Cooling Curr		Α	8.8	8.8
leating Curr	· · · ·	Α	/	8.6
Rated Input	•	W	3000	3200
Rated Coolir	ng Current	Α	13.5	14.5
Rated Heatir	-	A	/	13.5
	ume(SS/H/MH/M/ML/L/SL/SM)	m ³ /h	1200/1100/1000/900/820/750/650	1200/1100/1000/900/820/750/650
Dehumidifyir		L/h	2.4	2.4
ER		W/W	3.7	3.7
COP		W/W	/	3.8
SEER		W/W	/	/
ISPF		W/W	/	/
Application A	Area	m ²	27-42	27-42
I	Model		GWC24AAEXF-K6DNA1B/I	GWH24AAEXF-K6DNA1B/I GWH24AAEXF-K6DNA4B/I
	Product Code		CB476N08400	CB476N08300 CB479N07200
	Fan Type		Cross-flow	Cross-flow
	Fan Diameter Length(DXL)	mm	Ф108×830	Φ108×830
	Cooling Speed	r/min	1300/1200/1100/1000/920/850/750	1300/1200/1100/1000/920/850/750
	Heating Speed	r/min	/	1300/1200/1100/1000/920/850/80
	Fan Motor Power Output	W	35	35
	Fan Motor RLA	A	0.28	0.28
	Fan Motor Capacitor	μF	3	3
	Evaporator Form		Aluminum Fin-copper Tube	Aluminum Fin-copper Tube
ndoor Unit	Evaporator Pipe Diameter	mm	Φ7	Φ7
	Evaporator Row-fin Gap	mm	2-1.4	2-1.4
	Evaporator Coil Length (LXDXW)	mm	845×25.4×342.9	845×25.4×342.9
	Swing Motor Model		MP35CP	MP35CP
	Swing Motor Power Output	W	2.5	2.5
	Fuse Current	A	3.15	3.15
	Sound Pressure Level	dB (A)	49/46/44/41/38/35/32	Cooling:49/46/44/41/38/35/32 Heating:49/46/44/41/37/35/32
			64/61/59/56/53/50/47	Cooling:64/61/59/56/53/50/47
	Sound Power Level	dB (A)		Heating:64/61/59/56/52/50/47
				Heating:64/61/59/56/52/50/47 1080×325×245
	Dimension (WXHXD)	mm	1080×325×245	1080×325×245
	Dimension (WXHXD) Dimension of Carton Box (LXWXH)	mm mm	1080×325×245 1125×397×320	1080×325×245 1125×397×320
	Dimension (WXHXD)	mm	1080×325×245	1080×325×245

	Outdoor Unit Model		GWC24AAEXF-K6DNA1B/O	GWH24AAEXF-K6DNA1B/O
	Outdoor Unit Product Code		CB476W08400	CB476W08300
	Compressor Manufacturer		ZHUHAI LANDA COMPRESSOR CO., LTD	ZHUHAI LANDA COMPRESSOR CO., LTD
	Compressor Model		QXFS-M180zX170	QXFS-M180zX170
	Compressor Oil		/	/
	Compressor Type		Rotary	Rotary
	Compressor LRA.	А	24.00	24.00
	Compressor RLA	А	3.50	3.50
	Compressor Power Input	W	1350	1350
	Compressor Overload Protector		HPC 115/95U1 KSD115°C	HPC 115/95U1 KSD115°C
	Throttling Method		Electron expansion valve	Electron expansion valve
	Set Temperature Range	°C	16~30	16~30
	Cooling Operation Ambient Temperature Range	°C	-10~50	-10~50
	Heating Operation Ambient Temperature Range	°C	/	-15~24
	Condenser Form		Aluminum Fin-copper Tube	Aluminum Fin-copper Tube
	Condenser Pipe Diameter	mm	Φ7	Φ7
	Condenser Rows-fin Gap	mm	2-1.4	2-1.4
	Condenser Coil Length (LXDXW)	mm	934×38.1×616	934×38.1×616
	Fan Motor Speed	rpm	800	800
	Fan Motor Power Output	W	60	60
Outdoor	Fan Motor RLA	A	0.65	0.65
Unit	Fan Motor Capacitor	μF	0.00	1
	Outdoor Unit Air Flow Volume	m ³ /h	3600	3600
	Fan Type	111 /11	Axial-flow	Axial-flow
	Fan Diameter	mm	Φ520	Φ520
	Defrosting Method	111111	4520	Automatic Defrosting
	Climate Type			T1
	Isolation			
	Moisture Protection		IPX4	IPX4
	Permissible Excessive Operating Pressure for		IF A4	IF A4
	the Discharge Side	MPa	4.3	4.3
	Permissible Excessive Operating Pressure for the Suction Side	MPa	2.5	2.5
	Sound Pressure Level (H/M/L)	dB (A)	59/-/-	59/-/-
	Sound Power Level (H/M/L)	dB (A)	68/-/-	68/-/-
	Dimension(WXHXD)	mm	958×660×402	958×660×402
	Dimension of Carton Box (LXWXH)	mm	1029×453×715	1029×453×715
	Dimension of Package(LXWXH)	mm	1032×456×737	1032×456×737
	Net Weight	kg	42	42.5
	Gross Weight	kg	46.5	47
	Refrigerant		R32	R32
	Refrigerant Charge	kg	1.3	1.3
	Connection Pipe Length	m	5	5
	Connection Pipe Gas Additional Charge	g/m	12	12
	Outer Diameter Liquid Pipe	inch	1/4"	1/4"
Connection	Outer Diameter Gas Pipe	inch	5/8"	5/8"
Pipe	Max Distance Height	m	10	10
	Max Distance Length	m	25	25
	Note: The connection pipe applies metric diameter		20	20

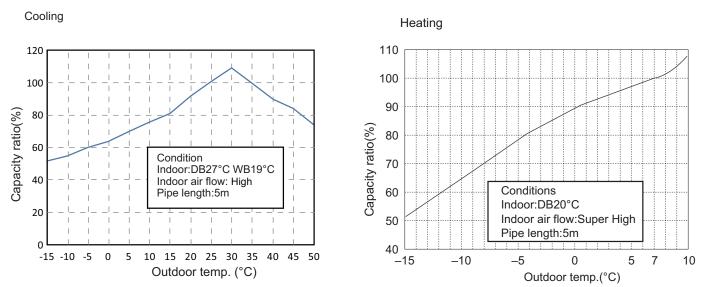
The above data is subject to change without notice. Please refer to the nameplate of the unit.

Model			GWH18AADXE-K6DNA1A GWH18AADXE-K6DNA4A
Product Cod	e		CB476008000 CB479007300
Power Rated Voltage		V~	220-240
	Rated Frequency	Hz	50
Supply	Supply Phases		1
Power Suppl	y Mode		Outdoor
Cooling Cap		W	5200
Heating Cap	-	W	5600
Cooling Pow	-	W	1350
Heating Pow	•	W	1400
Cooling Curr		Α	6.5
Heating Curr	· · ·	Α	6.5
Rated Input		W	2300
Rated Coolir	na Current	Α	11.5
Rated Heatir		A	11.5
	ume(SS/H/MH/M/ML/L/SL/SM)	m ³ /h	950/850/810/750/680/610/520
Dehumidifyir	· · · · · · · · · · · · · · · · · · ·	L/h	1.8
EER		W/W	3.85
COP		W/W	4
SEER		W/W	/
HSPF		W/W	/
Application A	Irea	m ²	23-34
	Model		GWH18AADXE-K6DNA1A/I GWH18AADXE-K6DNA4A/I
	Product Code		CB476N08000 CB479N07300
	Fan Type		Cross-flow
	Fan Diameter Length(DXL)	mm	Ф106×706
	Cooling Speed	r/min	1400/1300/1150/1000/850/800/650
	Heating Speed	r/min	1400/1270/1150/1000/850/700/650
	Fan Motor Power Output	W	50
	Fan Motor RLA	Α	0.25
	Fan Motor Capacitor	μF	1
	Evaporator Form		Aluminum Fin-copper Tube
	Evaporator Pipe Diameter	mm	Φ7
ndoor Unit	Evaporator Row-fin Gap	mm	2-1.4
	Evaporator Coil Length (LXDXW)	mm	715×25.4×304.8
	Swing Motor Model		MP35CP
	Swing Motor Power Output	W	2.5
	Fuse Current	A	3.15
			Cooling:48/45/41/37/32/30/24
	Sound Pressure Level	dB (A)	Heating:48/45/41/37/32/27/25
	Sound Power Level	dB (A)	Cooling:63/60/56/52/47/45/39 Heating:63/60/56/52/47/42/40
	Dimension (WXHXD)	mm	970×300×225
	Dimension of Carton Box (LXWXH)	mm	1017×366×285
	Dimension of Package (LXWXH)	mm	1020×369×295
	Net Weight	kg	13

	Outdoor Unit Model		GWH18AADXE-K6DNA1A/O
	Outdoor Unit Product Code		CB476W08000
	Compressor Manufacturer		ZHUHAI LANDA COMPRESSOR CO., LTD
	Compressor Model		QXF-B103zH170F
	Compressor Oil		RB68GX or equivalent
	Compressor Type		Rotary
	Compressor LRA.	А	/
	Compressor RLA	А	5.36
	Compressor Power Input	W	1196
	Compressor Overload Protector		/
	Throttling Method		Electron expansion valve
	Set Temperature Range	°C	16~30
	Cooling Operation Ambient Temperature Range	°C	-10~50
	Heating Operation Ambient Temperature Range	°C	-15~24
	Condenser Form	_	Aluminum Fin-copper Tube
	Condenser Pipe Diameter	mm	Φ7.94
	Condenser Rows-fin Gap	mm	2-1.4
	Condenser Coil Length (LXDXW)	mm	865×38.1×528
	Fan Motor Speed	rpm	950
	Fan Motor Power Output	W	40
Outdoor	Fan Motor RLA	A	0.70
Unit	Fan Motor Capacitor	μF	/
	Outdoor Unit Air Flow Volume	m³/h	3000
	Fan Type		Axial-flow
	Fan Diameter	mm	Φ445
	Defrosting Method		Automatic Defrosting
	Climate Type		T1
	Isolation		
	Moisture Protection		IPX4
	Permissible Excessive Operating Pressure for the Discharge Side	MPa	4.3
	Permissible Excessive Operating Pressure for the Suction Side	MPa	2.5
	Sound Pressure Level (H/M/L)	dB (A)	58
	Sound Power Level (H/M/L)	dB (A)	67
	Dimension(WXHXD)	mm	873×555×376
	Dimension of Carton Box (LXWXH)	mm	948×428×591
	Dimension of Package(LXWXH)	mm	951×431×620
	Net Weight	kg	37
	Gross Weight	kg	40
	Refrigerant		R32
	Refrigerant Charge	kg	1
	Connection Pipe Length	m	5
	Connection Pipe Gas Additional Charge	g/m	12
	Outer Diameter Liquid Pipe	inch	1/4"
Connection	Outer Diameter Gas Pipe	inch	1/2"
Pipe	Max Distance Height	m	10
	Max Distance Length	m	25
	Note: The connection pipe applies metric diameter		20
	rioto. The connection pipe applies metho diamete		

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

2.2 Capacity Variation Ratio According to Temperature



2.3 Cooling and Heating Data Sheet in Rated Frequency

Cooling:

Ŭ	l condition(°C) /WB)	Model	Pressure of gas pipe connecting indoor and outdoor unit		outlet pipe ire of heat anger	Fan speed of indoor unit	Fan speed of outdoor unit
Indoor	Outdoor		P (MPa)	T1 (°C)	T2 (°C)		
27/19	35/24	09/12K	0.8 to 1.1	11 to 14	64 to 37	Super High	High
27/19	35/24	18/24K	0.9 to 1.1	12 to 14	75 to 37	Super FlyIT	riigit

Heating:

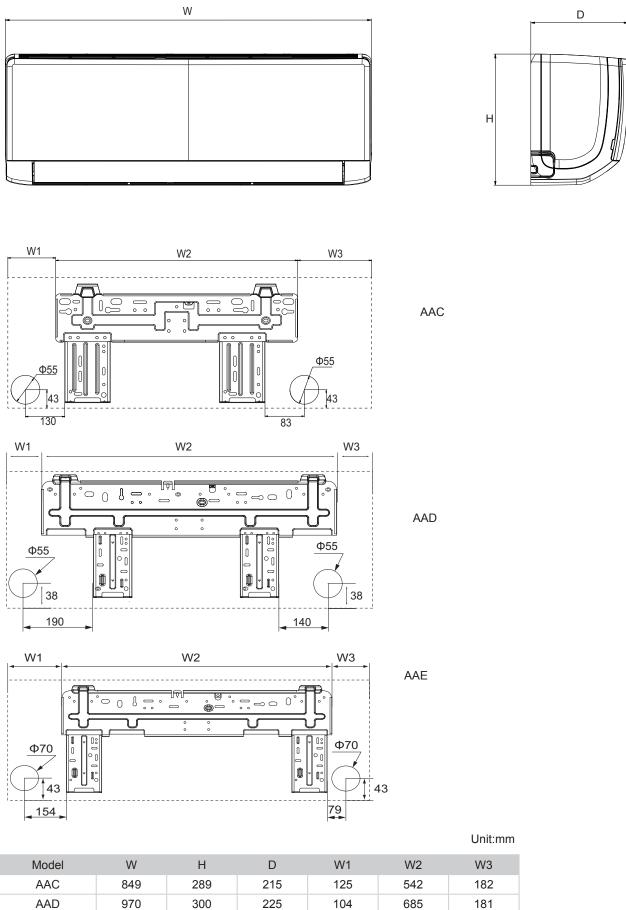
Rated heating condition(°C) (DB/WB)		Model	Pressure of gas pipe connecting indoor and outdoor unit	Inlet and outlet pipe temperature of heat exchanger		Fan speed of indoor unit	Fan speed of outdoor unit
Indoor	Outdoor		P (MPa)	T1 (°C)	T2 (°C)		
201 7/0		09/12K	2.8 to 3.2	35 to 65	2 to 5	Cuper Lligh	Llich
20/-	7/6	18/24K	2.2 to 2.4	70 to 35	2 to 4	Super High	High

Instruction:

T1: Inlet and outlet pipe temperature of evaporator T2: Inlet and outlet pipe temperature of condenser P: Pressure at the side of big valve Connection pipe length: 5 m.

3. Outline Dimension Diagram

3.1 Indoor Unit



* Recommended distance Technical Information

1080

325

245

207

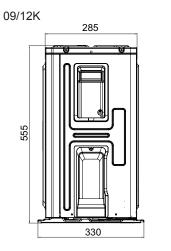
685

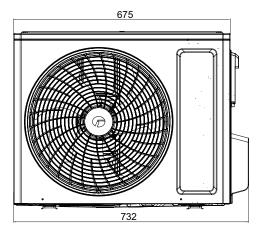
188

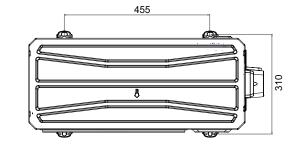
AAE

3. Outline Dimension Diagram

3.2 Outdoor Unit

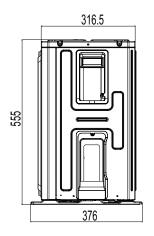


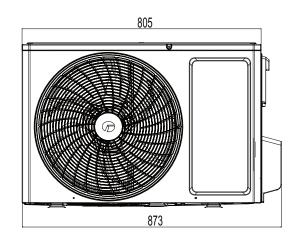


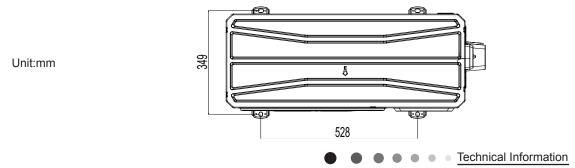


Unit:mm

18K

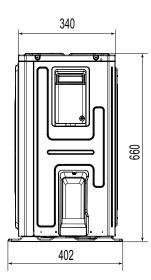


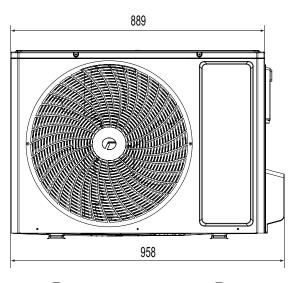


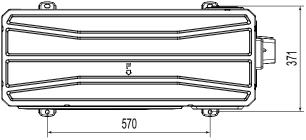


3. Outline Dimension Diagram

24K

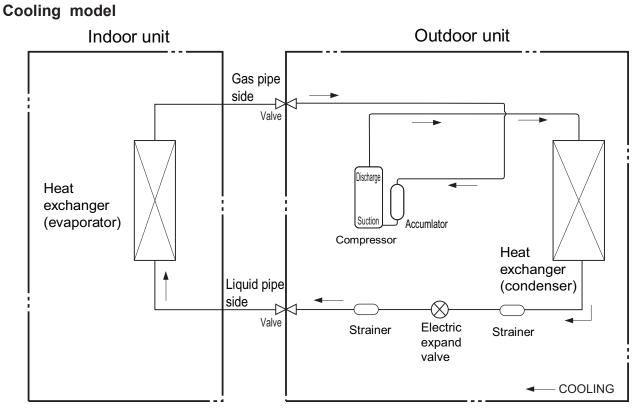




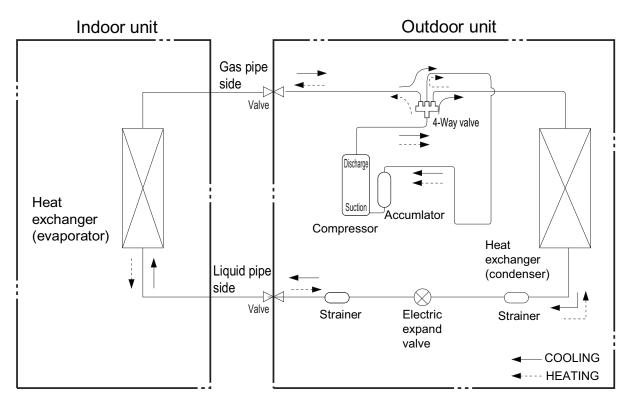


Unit:mm

4. Refrigerant System Diagram



Cooling and heating model



Connection pipe specification: Liquid pipe:1/4" Gas pipe:3/8" 12K Gas pipe:1/2" 18K Gas pipe:5/8" 24K

5.1 Wiring Diagram

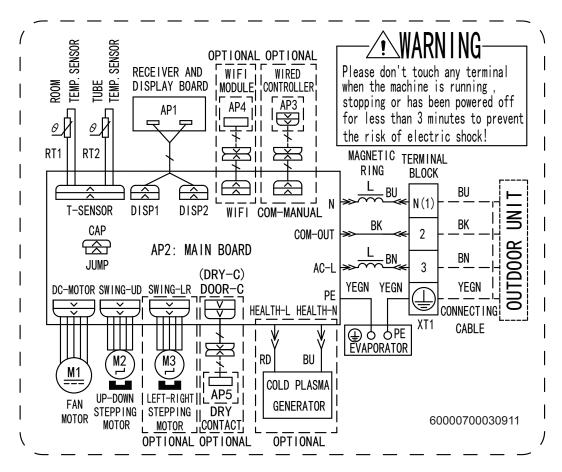
Instruction

Symbol	Symbol Color	Symbol	Symbol Color		Symbol	Name
WH	White	GN	Green		CAP	Jumper cap
YE	Yellow	BN	Brown		COMP	Compressor
RD	Red	BU	Blue	-	()	Grounding wire
YEGN	Yellow/Green	ВК	Black		/	1
VT	Violet	OG	Orange	-	/	1

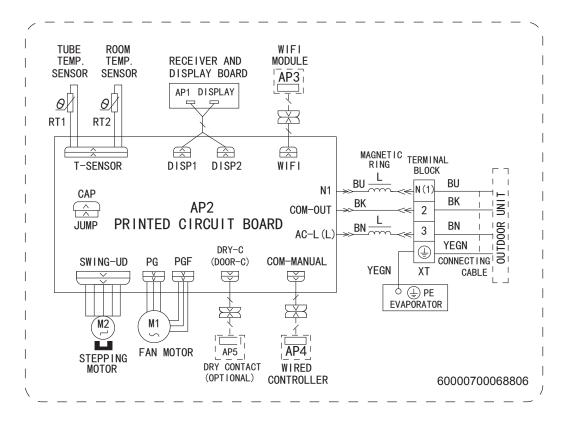
Note: Jumper cap is used to determine fan speed and the swing angle of horizontal lover for this model.

Indoor Unit

09/12/18K

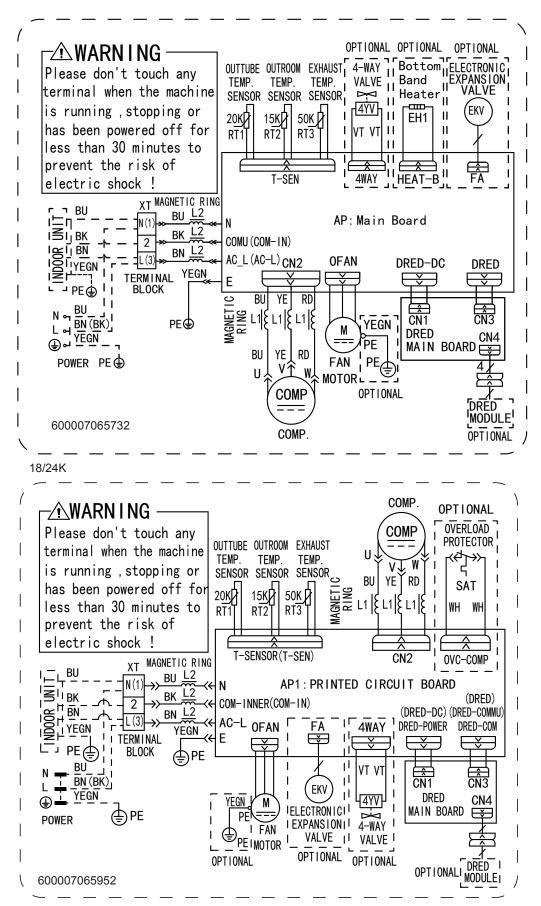


24K



Outdoor Unit

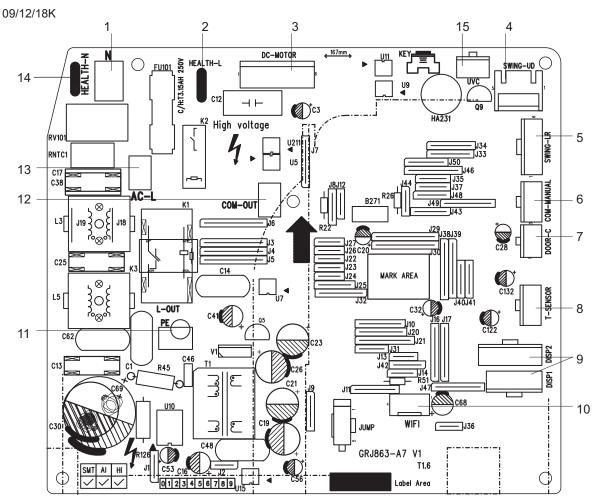
09/12K



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

5.2 PCB Printed Diagram

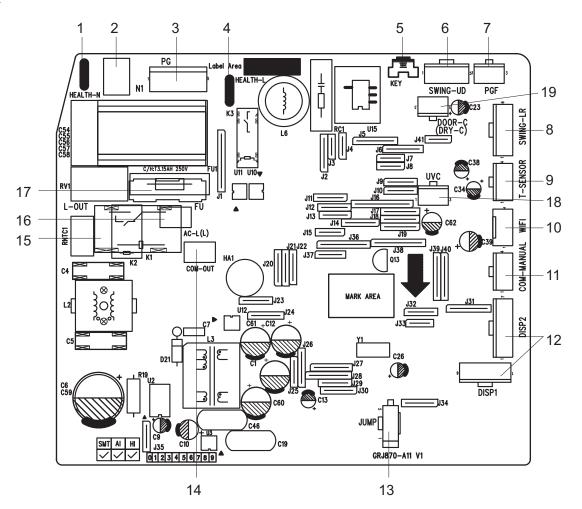
Indoor Unit



No.	Name		
1	Neutral wire		
2	Interface of health function live wire		
3	DC fan interface		
4	Up&down swing interface		
5	Left&right swing interface		
6	Interface of wired controller		
7	Interface of gate control		

No.	Name		
8	Interface of temperature sensor		
9	Display interface		
10	WIFI interface		
11	Grounding wire		
12	Terminal with outdoor unit communication wire		
13	Live wire interface		
14	Interface of health function neutral wire		

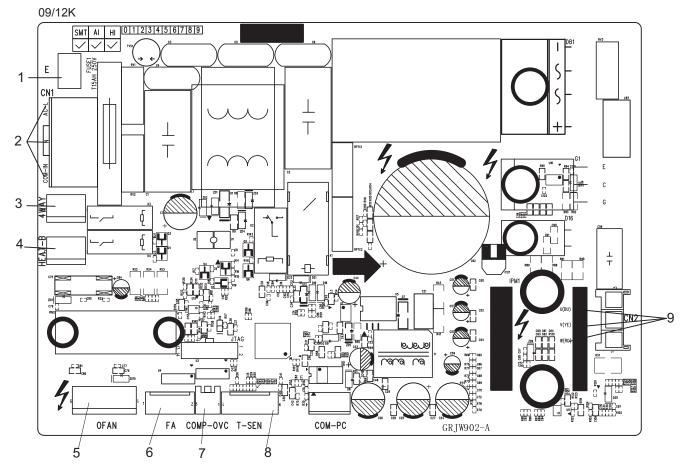




No.	Name		
1	Interface of health function neutral wire		
2	Neutral wire terminal		
3	Motor terminal		
4	Interface of health function live wire		
-	Auto button		
6	Up&down swing terminal		
7	Interface of Motor feedback		
8	Left&right swing terminal		
9	Terminal of temperature sensor		
10	WIFI terminal		

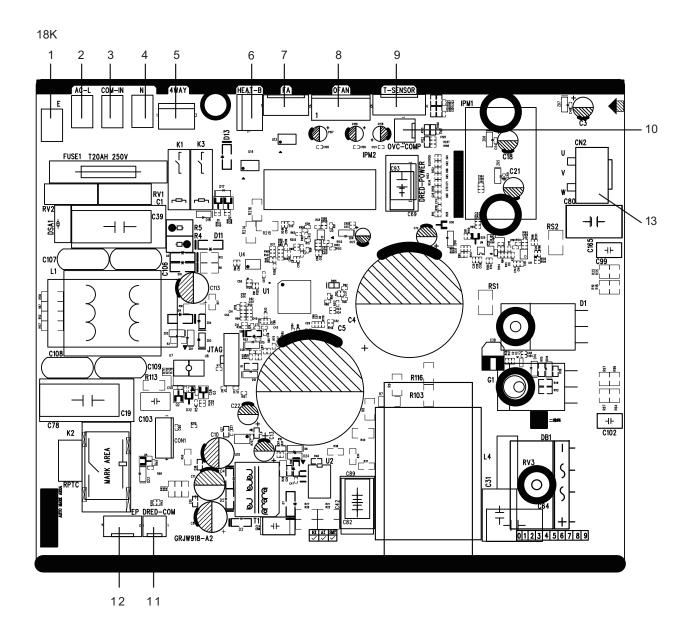
No.	Name	
11	Wired controller terminal	
12	Interface of display board	
13	Jumper cap	
14	Communication terminal for indoor unit and outdoor unit	
15	Terminal of live wire used for supplying power for outdoor unit	
16	Live wire terminal	
17	Fuse	
18	Interface of ultraviolet clean	
19	Interface of gate control	

Outdoor Unit



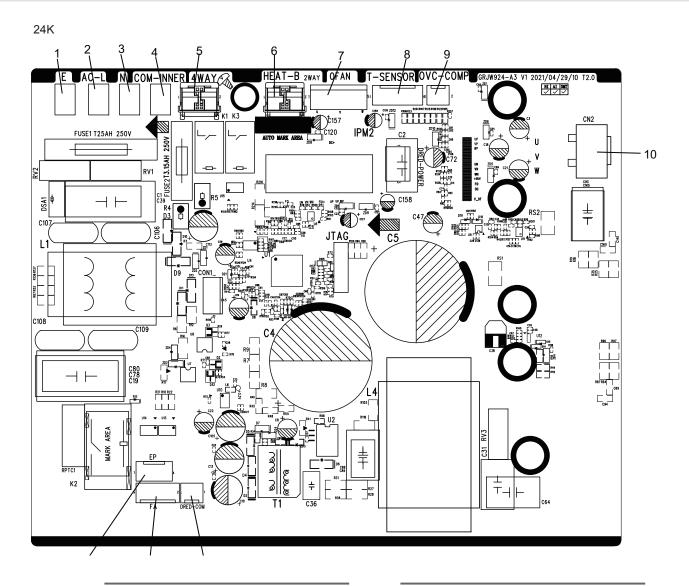
No.	Name	
1	Earthing wire	
2	Neutral wire, live wire and communication cable	
3	4-way valve	
4	Electric heating belt of chasssis	
5	Outdoor fan	
6	Electronic expansion valve	
7	Overload	
8	Temperature sensor	
9	Three-phase terminal of compressor	

Technical Information



No	Name
1	Earthing wire
2	Live wire
3	Communication cable
4	Neutral wire
5	4-way valve
6	Electric heating belt of chassis
7	Interface of electronic expansion val

No	Name	
8	Interface of outdoor fan	
9	Temperature sensor	
10	Overload interface of compressor	
11	Dred communication	
12	E disk interface	
13		



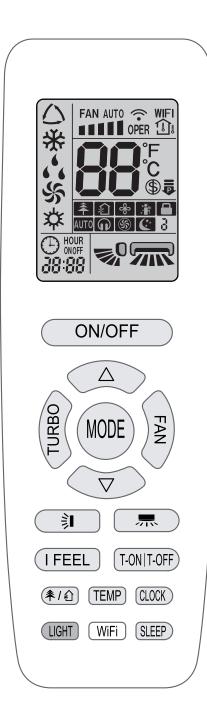
No.	Name	
1	Eathing wire	
2	Live wire	
3	Neutral wire	
4	Communication cable	
5	4-way valve	
6	Electric heating belt of chassis	
7	DC fan	
8	Temperature sensor	

No.	Name	
9	Overload	
10	Terminal of compressor	
11	Program debugging interface	
12	DRED interface	
13	Electronic expansion valveinterface	
14	E disk interface	
15	Monitor interface	

Technical Information

6.1 Remote Controller Introduction

Buttons on remote controller



Introduction for icons on display screen

	<u>.</u>	I feel	
	FAN AUTO	Set fan speed	
	\$	Turbo mode	
		Send signal	
e	\bigtriangleup	Auto mode	
Operation mode	*	Cool mode	
tion	6 ⁶ 6	Dry mode	
erai	\$	Fan mode	
d	\$	Heat mode	
	63	Sleep mode	
	\$	8°C heating function	
	P	Power limiting operation	
	斧	Health mode	
	む	Scavenging function	
	&	X-FAN function	
	•	🗋 Set temp.	
	Temp. splay type	습 Indoor ambient temp.	
	splay type	∩ י Outdoor ambient נפשף.	
	Θ	Clock	
	88	Set temperature	
	WiFi	WiFi function	
	88:88	Set time	
	ONOFF	TIMER ON / TIMER OFF	
		Left & right swing	
	1	Up & down swing	
		Child lock	
	P	Quiet	

Introduction for buttons on remote controller

NOTE

- This is a general use remote controller. It could be used for the air conditioner with multifunction. For the functions which the model doesn't have, if press the corresponding button on the remote controller, the unit will keep the original running status.
- After putting through the power, the air conditioner will give out a sound. Power indicator "()" is ON. After that, you can operate the air conditioner by using remote controller.
- As for the models with functions of WiFi or wired controller, the indoor unit must has been controlled by standard remote controller under auto mode first, and then the function of adjustable temperature under auto mode can be realized by APP or the wired controller.
- This remote controller can adjust the temperature under auto mode. When matching with the unit which is without the function of adjustable temperature under auto mode, the set temperature under auto mode may be invalid, or the displayed set temperature on the unit is not same as that on the remote controller under auto mode.

ON/OFF

Press this button to turn on the unit. Press this button again to turn off the unit.



Press this button to select your required operation mode.

AUTO COOL DRY FAN HEAT →公──────☆────☆───☆

- When selecting auto mode, air conditioner will operate automatically according to ex-factory setting. Press "FAN" button can adjust fan speed. Press "示" / "刹" button can adjust fan blowing angle.
- After selecting cool mode, air conditioner will operate under cool mode. Press "△" or "▽" button to adjust set temperature. Press "FAN" button to adjust fan speed. Press "示" / "泳" button to adjust fan blowing angle.
- When selecting dry mode, the air conditioner operates at low speed under dry mode. Under dry mode, fan speed can' t be adjusted. Press
 ""," | ") " button to adjust fan blowing angle.
- When selecting fan mode, the air conditioner will only blow fan, no cooling and no heating. All indicators are OFF. Press "FAN" button to adjust fan speed. Press "示" / "刹" button to

adjust fan blowing angle.

• When selecting heating mode, the air conditioner operates under heat mode. Press "△" or " ▽" button to adjust set temperature. Press "FAN" button to adjust fan speed. Press " 示" / " > 1" button to adjust fan blowing angle. (Cooling only unit won't receive heating mode signal. If setting heat mode with remote controller, press ON/OFF button can't start up the unit).

NOTE

- For preventing cold air, after starting up heating mode, indoor unit will delay 1~5 minutes to blow air (actual delay time is depend on indoor ambient temperature).
- Set temperature range from remote controller: 16~30 C (61-86°F);
- Under auto mode, temperature can be displayed; Under auto mode, set temperature can be adjusted.
- This mode indicator is not available for some models.



This button is used for setting Fan Speed in the sequence that goes from AUTO, (\mathbf{p}) , \mathbf{I} , \mathbf{III} ,

■■■ , ■■■■ , to ■■■■■ , then back to Auto.

NOTE

- Under AUTO speed, air conditioner will select proper fan speed automatically according to factory default setting.
- It's low fan speed under dry mode.
- X-FAN function: Holding fan speed button for 2s in cool or dry mode, the icon " or " is displayed and the indoor fan will continue operation for a few minutes in order to dry the indoor unit even though you have turned off the unit. After energization, X-FAN OFF is defaulted. X-FAN is not available in auto, fan or heat mode.

This function indicates that moisture on evaporator of indoor unit will be blowed after the unit is stopped to avoid mould.

 Having set X-FAN function on: After turning off the unit by pressing ON/OFF button, indoor fan will continue running for a few minutes at low speed. In this period, hold fan speed button for 2s to stop indoor fan directly.

Having set X-FAN function off: After turning off the unit by pressing ON/OFF button, the complete unit will be off directly.



Under COOL or HEAT mode, press this button to

turn to quick COOL or quick HEAT mode. " (5)" icon is displayed on remote controller. Press this button again to exit turbo function and " (5)" icon will disappear. If start this function, the unit will run at super-high fan speed to cool or heat quickly so that the ambient temperature approaches the preset temperature as soon as possible.

\triangle / ∇

- Press "△" or "▽" button once increase or decrease set temperature 1 °C (°F). Holding "△" or "▽" button, 2s later, set temperature on remote controller will change quickly. On releasing button after setting is finished, temperature indicator on indoor unit will change accordingly.
- When setting T-ON, T-OFF or CLOCK, press "△" or "▽" button to adjust time. (Refer to CLOCK, T-ON, T-OFF buttons)

──────

Press this button can select left & right swing angle. Fan blow angle can be selected circularly as below:

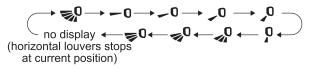


NOTE

- Press this button continuously more than 2s, the main unit will swing back and forth from left to right, and then loosen the button, the unit will stop swinging and present position of guide louver will be kept immediately.
- Under left and right swing mode, when the status is switched from off to m, if press this button again 2s later, m status will switch to off status directly; if press this button again within 2s, the change of swing status will also depend on the circulation sequence stated above.
- The function is only available for some models.

訓

Press this button can select up & down swing angle. Fan blow angle can be selected circularly as below:



• When selecting ", air conditioner is blowing fan automatically. Horizontal louver will automat-

ically swing up & down at maximum angle.

- When selecting "-0、-0、-0、-0、-0", air conditioner is blowing fan at fixed position. Horizontal louver will stop at the fixed position.
- When selecting " ♥⁰、♥⁰、♥⁰ ", air conditioner is blowing fan at fixed angle. Horizontal louver will send air at the fixed angle.
- Hold " ""button above 2s to set your required swing angle. When reaching your required angle, release the button.

NOTE

- "₅0、₅0、₅0" may not be available. When air conditioner receives this signal, the air conditioner will blow fan automatically.
- Press this button continuously for more than 2s, the main unit will swing back and forth from up to down, and then loosen the button, the unit present position of guide louver will be kept immediately.
- Under up and down swing mode, when the status is switched from off to [™]0, if press this button again 2s later, [™]0 status will switch to off status directly; if press this button again within 2s, the change of swing status will also depend on the circulation sequence stated above.

T-ON|T-OFF

- T-ON button
 - "T-ON" button can set the time for timer on. After pressing this button, " () " icon disappears and the word "ON" on remote controller blinks. Press " Δ " or " ∇ " button to adjust T-ON setting. After each pressing " Δ " or " ∇ " button, T-ON setting will increase or decrease 1min. Hold " Δ " or " ∇ " button, 2s later, the time will change quickly until reaching your required time. Press "T-ON" to confirm it. The word "ON" will stop blinking. "()" icon resumes displaying. Cancel T-ON: Under the condition that T-ON is started up, press "T-ON" button to cancel it.
- T-OFF button

"T-OFF" button can set the time for timer off. After pressing this button, " " icon disappears and the word "OFF" on remote controller blinks. Press " \bigtriangleup " or " \bigtriangledown " button to adjust T-OFF setting. After each pressing " \bigtriangleup " or " \bigtriangledown " button, T-OFF setting will increase or decrease 1min. Hold " \bigtriangleup " or " \bigtriangledown " button, 2s later, the time will change quickly until reaching your required time. Press "T-OFF" word "OFF" will stop blinking. " " icon resumes displaying. Cancel T-OFF. Under the condition that T-OFF is started up, press "T-OFF" button to cancel it.

NOTE

- Under on and off status, you can set T-OFF or T-ON simultaneously.
- Before setting T-ON or T-OFF, please adjust the clock time.
- After starting up T-ON or T-OFF,set the constant circulating valid.
- After that, air conditioner will be turned on or turned off according to setting time. ON/OFF button has no effect on setting. If you don't need this function, please use remote controller to cancel it.

[IFEEL]

Press this button to start I FEEL function and "... " will be displayed on the remote controller. After this function is set, the remote controller will send the detected ambient temperature to the controller and the unit will automatically adjust the indoor temperature according to the detected temperature. Press this button again to cancel I FEEL function and "... " will disappear.

• Please put the remote controller near user when this function is set. Do not put the remote controller near the object of high temperature or low temperature in order to avoid detecting inaccurate ambient temperature. When I FEEL function is turned on, the remote controller should be put within the area where indoor unit can receive the signal sent by the remote controller.

CLOCK

Press this button to set clock time. " \bigoplus " icon on remote controller will blink. Press " \triangle " or " ∇ " button within 5s to set clock time. Each pressing of " \triangle " or " ∇ " button, clock time will increas e or decrease 1 min. If hold " \triangle " or " ∇ " button , 2s later, time will change quickly. Release this button when reaching your required time. Press "CLOCK" button to confirm the time. " \bigoplus " icon stops blinking.

NOTE

- Clock time adopts 24-hour mode.
- The interval between two operations can't exceed 5s. Otherwise, remote controller will quit setting status. Operation for TIMER ON/TIMER OFF is the same.

SLEEP

• Press this button, can select Sleep 1 ((1), Sleep 2 ((* 2), Sleep 3 ((* 3) and cancel the Sleep, circulate between these, after electrified, Sleep Cancel is defaulted.

• Sleep 1 is Sleep mode 1, in Cool modes; sleep status after run for one hour, the main unit setting

temperature will increase 1, two hours, setting temperature increased 2°C, then the unit will run at this setting temperature; In Heat mode: sleep status after run for one hour, the setting temperature will decrease 1, two hours, setting temperature will decrease 2, then the unit will run at this setting temperature.

• Sleep 2 is sleep mode 2, that is air conditioner will run according to the presetting a group of sleep temperature curve.

• Sleep 3-the sleep curve setting under Sleep mode by DIY;

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

(2) Adjust " \triangle " and " ∇ " button, could change the corresponding setting temperature, after adjusted, press "TURBO" button for confirmation;

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

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

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

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

WiFi

Press " WiFi " button to turn on WiFi function, "WiFi " icon will be displayed on the remote controller; Hold " WiFi " button for 5s to turn off WiFi function and " WiFi " icon will disappear.

Under off status, press "MODE" and " WiFi " buttons simultaneously for 1s, WiFi module will restore factory settings.

NOTE

• The function is only available for some models.

▲1

Press this button to turn on or turn off the health and scavenging functions in operation status. Press this button for the first time to start scavenging function; LCD displays " \triangle ". Press the button for the second time to start health and scavenging functions; LCD displays " \triangle " and " \clubsuit ". Press this button for the third time to quit health and scavenging functions simultaneously. Press the button for the fourth time to start health function; LCD display " \clubsuit ". Press this button again to repeat the operation above.

NOTE

• The function is only available for some models.

LIGHT

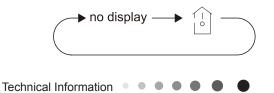
- Press this button to turn on or turn off the display light on the indoor unit.
- The display light is defaulted on after energization. • Press and hold the LIGHT button for 5 seconds
- to activate or cancel the auto light function. When the set temperature on the remote controller blinks 3 times, it means the auto light function is successfully turned on. When this function is active, the panel lamp will light up for 20 seconds every time the indoor unit receives a signal from the remote controller and then go off automatically.

NOTE

• Auto light function is only available for some models.

TEMP

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



Function introduction for combination buttons

Energy-saving function

Under cooling mode, press "TEMP" and "CLOCK" buttons simultaneously to start up or turn off energy-saving function. When energy-saving function is started up, "SE" will be shown on remote controller, and air conditioner will adjust the set temperature automatically according to ex-factory setting to reach to the best energy-saving effect. Press "TEMP" and "CLOCK" buttons simultaneously again to exit energy-saving function.

NOTE

- Under energy-saving function, fan speed is defaulted at auto speed and it can't be adjusted.
- Under energy-saving function, set temperature can 't be adjusted. Press "TURBO" button and the remote controller won't send signal.
- Sleep function and energy-saving function can't operate at the same time. If energy-saving function has been set under cool mode, press "SLEEP" button will cancel energy-saving function. If sleep function has been set under cool mode, start up the energy-saving function will cancel sleep function.

8°C heating function

Under heat mode, press "TEMP" and "CLOCK" buttons simultaneously to start up or turn off 8 °C heating function. When this function is started up, " ^(S)" and "8°C" will be shown on remote controller, and the air conditioner keep the heating status at 8°C. Press "TEMP" and "CLOCK" buttons simultaneously again to exit 8°C heating function.

NOTE

- Under 8°C heating function, fan speed is defaulted at auto speed and it can't be adjusted.
- Under 8°C heating function, set temperature can 't be adjusted. Press "TURBO" button and the remote controller won't send signal.
- Sleep function and 8°C heating function can't operate at the same time. If 8°C heating function has been set under heat mode, press "SLEEP" button will cancel 8°C heating function. If sleep function has been set under heat mode, start up the 8°C heating function will cancel sleep function.
- Under °F temperature display, the remote controller will display 46°F heating.

Child lock function

Press " \triangle " and " ∇ " simultaneously to turn on or turn off child lock function. When child lock function is on, " \blacksquare " icon is displayed on remote controller. If you operate the remote controller, the " \blacksquare " icon will blink three times without sending signal to the unit.

Temperature display switchover function

Under OFF status, press " \bigtriangledown " and "MODE" buttons simultaneously to switch temperature display between °C and °F.

Auto clean function

Under unit off status, hold "MODE" and "FAN" buttons simultaneously for 5s to turn on or turn off the auto clean function. When the auto clean function is turned on, indoor unit displays "CL". During the auto clean process of evaporator, the unit will perform fast cooling or fast heating. There may be some noise, which is the sound of flowing liquid or thermal expansion or cold shrinkage. The air conditioner may blow cool or warm air, which is a normal phenomenon. During cleaning process, please make sure the room is well ventilated to avoid affecting the comfort.

NOTE

- The auto clean function can only work under normal ambient temperature. If the room is dusty, clean it once a month; if not, clean it once every three months. After the auto clean function is turned on, you can leave the room. When auto clean is finished, the air conditioner will enter standby status.
- This function is only available for some models.

Night mode

Under cooling or heating mode, when turning on sleep mode and turn to low speed or quiet notch, the outdoor unit would enter into night mode.

NOTE

- When you feel that the cooling and heating effect is poor, please press "FAN" button to other fan speed or press "SLEEP" button to exit the night mode.
- The night mode can only work under normal ambient temperature.
- This function is only available for some models.

function

Press "MODE" and "SLEEP" buttons simultaneously to start **p** function.

function is for limiting power of the whole unit. Press this button, the remote controller will circularly display as the following:

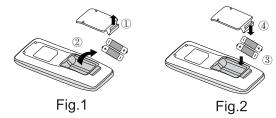


- Maximum power limited under the **p** mode is lower than that of **p** mode.
- If you want to cancel the power limiting function, press the button <a>
 , till the icon in remote controller is not displayed.
- When the remote controller is turned off, power limiting function is cancelled. If you want to activate the function, please repress this button.
- If the current power is lower than the maximum power of mode, then the power will not be limited after entering into such mode.
- For the model with one outdoor unit and two indoor units, if any one of indoor units enters into power limiting function, the outdoor unit will enter into the set limiting power mode of indoor unit; when two indoor units enter into power limiting mode, then the power of outdoor unit will be limited according to the lower power of the two indoor units.

NOTE

• This function is only available for some models.

Replacement of batteries in remote controller



- Lift the cover along the direction of arrow (as shown in Fig 11).
- 2. Take out the original batteries (as shown in Fig 12).
- 3. Place two 7# (AAA 1.5V) dry batteries, and make sure the position of " + " polar and " " polar is correct (as shown in Fig 2③).
- 4. Reinstall the cover (as shown in Fig $2 \oplus$).

NOTICE

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

6.2 Brief Description of Models and Functions

Indoor Unit

1.Basic function of system

(1)Cooling mode

(1) Under this mode, fan and swing operates at setting status. Temperature setting range is $16{\sim}30^{\circ}C$.

(2) During malfunction of outdoor unit or the unit is stopped because of protection, indoor unit keeps original operation status.

(2)Drying mode

Under this mode, fan operates at low speed and swing operates at setting status. Temperature setting range is 16~30°C.
 During malfunction of outdoor unit or the unit is stopped because of protection, indoor unit keeps original operation status.
 Protection status is same as that under cooling mode.

(4) Sleep function is not available for drying mode.

(3)Heating mode

(1) Under this mode, Temperature setting range is $16 \sim 30^{\circ}$ C.

(2) Working condition and process for heating mode:

When turn on the unit under heating mode, indoor unit enters into cold air prevention status. When the unit is stopped or at OFF status, and indoor unit has been started up just now, the unit enters into residual heat-blowing status.

(4)Working method for AUTO mode:

1.Working condition and process for AUTO mode:

a.Under AUTO mode, standard heating Tpreset=20^oC and standard cooling Tpreset=25^oC. The unit will switch mode automatically according to ambient temperature.

2.Protection function

a. During cooling operation, protection function is same as that under cooling mode.

b. During heating operation, protection function is same as that under heating mode.

3. Display: Set temperature is the set value under each condition. Ambient temperature is (Tamb.-Tcompensation) for heat pump unit and Tamb. for cooling only unit.

4. If theres I feel function, Tcompensation is 0. Others are same as above.

(5)Fan mode

Under this mode, indoor fan operates at set fan speed. Compressor, outdoor fan, 4-way valve and electric heating tube stop operation. Indoor fan can select to operate at high, medium, low or auto fan speed. Temperature setting range is $16 \sim 30^{\circ}$ C.

2. Other control

(1) Buzzer

Upon energization or availably operating the unit or remote controller, the buzzer will give out a beep.

(2) Auto button

If press this auto button when turning off the unit, the complete unit will operate at auto mode. Indoor fan operates at auto fan speed and swing function is turned on. Press this auto button at ON status to turn off the unit.

(3) Auto fan

Heating mode: During auto heating mode or normal heating ode, auto fan speed will adjust the fan speed automatically according to ambient temperature and set temperature.

(4) Sleep

After setting sleep function for a period of time, system will adjust set temperature automatically.

(5) Timer function:

General timer and clock timer functions are compatible by equipping remote controller with different functions.

(6) Memory function

memorize compensation temperature, off-peak energization value. Memory content: mode, up&down swing, light, set temperature, set fan speed, general timer (clock timer cant be memorized).

After power recovery, the unit will be turned on automatically according to memory content.

(7) Health function

During operation of indoor fan, set health function by remote controller. Turn off the unit will also turn off health function.

Turn on the unit by pressing auto button, and the health is defaulted ON.

(8)I feel control mode

After controller received I feel control signal and ambient temperature sent by remote controller, controller will work according to the ambient temperature sent by remote controller.

(9)Entry condition for compulsory defrosting function

When turn on the unit under heating ode and set temperature is 16° C (or 16.5° C by remote controller), press "+, -, +, -, +, -" button successively within 5s and then indoor unit will enter into compulsory defrosting setting status:

(1) If theres only indoor units controller, it enters into indoor normal defrosting mode.

(2) If theres indoor units controller and outdoor units controller, indoor unit will send compulsory defrosting mode signal to outdoor unit and then outdoor unit will operate under normal defrosting mode. After indoor unit received the signal that outdoor unit has entered into defrosting status, indoor unit will cancel to send compulsory mode to outdoor unit. If outdoor unit hasnt received feedback signal from outdoor unit after 3min, indoor unit will also cancel to send compulsory defrosting signal.

(10)Refrigerant recovery function:

Enter into Freon recovery mode actively: Within 5min after energization, turn on the unit at 16°C under cooling mode, and press light button for 3 times within 3s to enter into Freon recovery mode. Fo is displayed and Freon recovery mode will be sent to outdoor unit.

(11)Ambient temperature display control mode

1. When user set the remote controller to display set temperature

(corresponding remote control code: 01), current set temperature will be displayed.

 Only when remote control signal is switched to indoor ambient temperature display status (corresponding remote control code: 10) from other display status (corresponding remote control code: 00, 01,11),controller will display indoor ambient temperature for 3s and then turn back to display set temperature.

Under this mode, indoor fan operates at set fan speed. Compressor, outdoor fan, 4-way valve and electric heating tube stop operation. Indoor fan can select to operate at high, medium, low or auto fan speed. Temperature setting range is $16 \sim 30^{\circ}$ C.

(12)Off-peak energization function:

Adjust compressors minimum stop time. The original minimum stop time is 180s and then we change to:

The time interval between two start-ups of compressor cant be less than $180+Ts(0 \le T \le 15)$. T is the variable of controller. Thats to say the minimum stop time of compressor is $180s\sim195s$. Readin T into memory chip when refurbish the memory chip each time. After power recovery, compressor can only be started up after $180+T \le at$ least.

(13) SE control mode

The unit operates at SE status.

(14) X-fan mode

When X-fan function is turned on, after turn off the unit, indoor fan will still operate at low speed for 2min and then the complete unit will be turned off. When x-fan function is turned off, after turn off the unit, the complete unit will be turned off directly.

(15) 8°C heating function

Under heating mode, you can set 8°C heating function by remote controller. The system will operate at 8°C set temperature.

(16)Turbo function

Turbo function can be set under cooling and heating modes. Press Fan Speed button to cancel turbo setting. Turbo function is not available under auto, drying and fan modes.

Outdoor Unit

1. Cooling mode:

Working condition and process of cooling mode:

① When Tindoor ambient temperature≥Tpreset, unit enters into cooling mode. Indoor fan, outdoor fan and compressor start operation. Indoor fan operates according to set fan speed.

② When Tindoor ambient temperature≤Tpreset-2[°]C , compressor stops operation and outdoor fan will stop 30s later. Indoor fan operates according to set fan speed.

3 When Tpreset-2 \degree C < Tindoor ambient temperature < Tpreset, unit operates according to the previous status.

Under cooling mode, 4-way valve is not energized. Temperature setting range is 16~30 $\,^\circ\!{\rm C}\,$. If compressor stops because of malfunction in cooling mode, indoor fan and swing motor will work according to the original status.

2. Drying mode

(1) Working condition and process of drying mode

① When Tindoor ambient temperature > Tpreset, unit will be in drying mode. Outdoor fan and compressor start operation while indoor fan will operate at low fan speed.

② When Tpreset-2[°]C ≤Tindoor ambient temperature≤Tpreset, unit operates according to the previous status.

3 When Tindoor ambient temperature < Tpreset-2 \degree C, compressor stops operation and outdoor fan will stop 30s later.

(2) Under drying mode, 4-way valve is not energized. Temperature setting range is $16\sim30^{\circ}$.

(3) Protection function: same as in cooling mode.

3. Fan mode

(1) Under this mode, indoor fan can select different fan speed (except Turbo) or auto fan speed. Compressor, outdoor fan and 4-way valve all stop operation.

(2) In fan mode, temperature setting range is 16~30 $^\circ\!\mathrm{C}$.

4. Heating mode

Working condition and process of heating mode:

① When Tpreset-(Tindoor ambient temperature-Tcompensation)≥1°C, unit enters into heating mode. Compressor, outdoor fan and 4-way valve start operation.

@ When -2 $~^{\circ}C$ ~< Tpreset-(Tindoor ambient temperature-Tcompensation) < 1 $^{\circ}C$, unit operates according to the previous status.

③ When Tpreset-(Tindoor ambient temperature-Tcompensation)≤-2 ℃, compressor stops operation and outdoor fan will stop 30s later. Indoor fan will be in residual-heat blowing status.

④ When unit is turned off under heating mode or changed to other modes from heating mode, 4-way valve will be power-off 2min after compressor stops working (compressor is in operation status under heating mode).

(6) Under the condition that compressor is turned on, when unit is changed to heating mode from cooling or drying mode, 4-way valve will be energized in 2~3mins delay.

Note: Tcompensation is determined by IDU and ODU. If IDU controls the compensation temperature, then Tcompensation is

determined according to the value sent by IDU to ODU; If IDU does not control the compensation temperature, then Tcompensation will default to 3° by the ODU.

5. Freon recovery mode

After the Freon recovery signal from IDU is received, cooling at rated frequency will be forcibly turned on to recover Freon.

Indoor unit will display Fo. If any signal from remote controller is received, unit will exit from Freon recovery mode and indoor unit stops displaying Fo.

6. Compulsory defrosting

If unit is turned on under heating mode and set temperature is 16 $^{\circ}$ C (by remote controller), press "+, -, +, -, +, -" within 5s, unit will enter into compulsory defrosting mode and send the signal to ODU. When the compulsory defrosting signal from ODU is received, IDU will exit from the compulsory defrosting mode and stop sending the signal to ODU.

After ODU receives the compulsory defrosting code, it will start compulsory defrosting. Defrosting frequency and opening angle will be the same as in normal defrosting mode. When compulsory defrosting is finished, the complete unit resumes

original status. **7. Auto mode**

Auto mode is determined by controller of IDU. See IDU logic for details.

8.8°C heating

Set temperature is 8°C. Display board of IDU displays 8°C. Under this mode, "Cold air prevention" function is shielded.

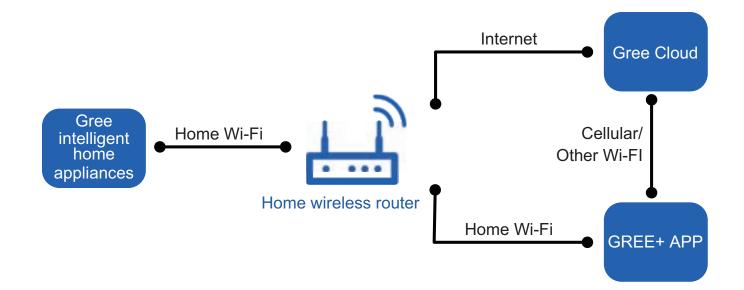
If compressor is operating under this mode, fan speed will adjust according to auto fan speed; if compressor stops operation

under this mode, indoor fan will be in residual-heat blowing status.

When power on, communication light will be blinking in a normal way (after receiving a group of correct signals, blinking stops for 0.2s~0.3s). If theres no communication, communication light will be always on. If other ODU has malfunction, communication light will be on for 1s and off for 1s in a circular way.

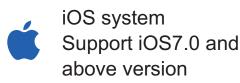
6.3 GREE+ App Operation Manual

Control Flow Chart



Operating Systems

Requirement for User's smart phone:





Android system Support Android 4.4 and above version

Download and installation



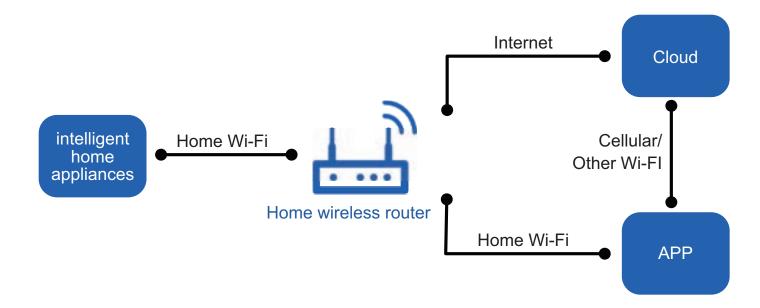
GREE+ App Download Linkage

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



6.4 Ewpe Smart App Operation Manual

Control Flow Chart



Operating Systems

Requirement for User's smart phone:





Android system Support Android 4.4 and above version

Download and installation



App Download Linkage

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

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 installation and maintenance shall be performed by distributor or qualified person.

•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.



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 cant be used for other purposes.

6. Must apply protective accessories such as protective boards, cable-cross 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. The power cord and power connection wires cant be pressed by hard objects.

9. If power cord or connection wire is broken, it must be replaced by a qualified person.

10. If the power cord or connection wire is not long enough, please get the specialized power cord or connection wire from the manufacture or distributor. Prohibit prolong the wire by yourself.

11. For the air conditioner without plug, an air switch must be installed in the circuit. The air switch should be all-pole parting and the contact parting distance should be more than 3mm.

12. Make sure all wires and pipes are connected properly and the valves are opened before energizing.

13. Check if there is electric leakage on the unit body. If yes, please eliminate the electric leakage.

14. Replace the fuse with a new one of the same specification if it is burnt down; dont replace it with a cooper wire or conducting wire.

15. 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 indoor unit and outdoor unit, a sufficient 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 finishing installation.

Refrigerant Safety Precautions:

1. When refrigerant leaks or requires discharge during installation, maintenance, or disassembly, it should be handled by certified professionals or otherwise in compliance with local laws and regulations.

2.Avoid contact between refrigerant and fire as it generates poisonous gas; Prohibit prolong the connection pipe by welding.

3. 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.

4. Make sure no refrigerant gas is leaking out when installation is completed.

5. If there is refrigerant leakage, please take sufficient measure to minimize the density of refrigerant.

6. 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.

Safety Precautions for Installing and Relocating the Unit:

To ensure safety, please be mindful of the following precautions.



1. When installing or relocating the unit, be sure to keep the refrigerant circuit free from air or substances other than the specified refrigerant.

Any presence of air or other foreign substance in the refrigerant circuit will cause system pressure rise or compressor rupture, resulting in injury.

2.When installing or moving this unit, do not charge the refrigerant which is not comply with that on the nameplate or unqualified refrigerant.

Otherwise, it may cause abnormal operation, wrong action, mechanical malfunction or even series safety accident.

3.When refrigerant needs to be recovered during relocating or repairing the unit, be sure that the unit is running in cooling mode.Then, fully close the valve at high pressure side (liquid valve).About 30-40 seconds later, fully close the valve at low pressure side (gas valve), immediately stop the unit and disconnect power. Please note that the time for refrigerant recovery should not exceed 1 minute.

If refrigerant recovery takes too much time, air may be sucked in and cause pressure rise or compressor rupture, resulting in injury.

4.During refrigerant recovery, make sure that liquid valve and gas valve are fully closed and power is disconnected before detaching the connection pipe.

If compressor starts running when stop valve is open and connection pipe is not yet connected, air will be sucked in and cause pressure rise or compressor rupture, resulting in injury.

5.When installing the unit, make sure that connection pipe is securely connected before the compressor starts running.

If compressor starts running when stop valve is open and connection pipe is not yet connected, air will be sucked in and cause pressure rise or compressor rupture, resulting in injury.

6.Prohibit installing the unit at the place where there may be leaked corrosive gas or flammable gas.

If there leaked gas around the unit, it may cause explosion and other accidents.

7.Do not use extension cords for electrical connections. If the electric wire is not long enough, please contact a local service center authorized and ask for a proper electric wire.

Poor connections may lead to electric shock or fire.

8.Use the specified types of wires for electrical connections between the indoor and outdoor units. Firmly clamp the wires so that their terminals receive no external stresses.

Electric wires with insufficient capacity, wrong wire connections and insecure wire terminals may cause electric shock or fire.

The refrigerant Before install the Appliance filled appliance, read with flammable i the installation qas R32. manual first. Before repair the Before use the appliance, read appliance, read the owner's mathe service manual first. nual first.

- To realize the function of the air conditioner unit, a special refrigerant circulates in the system. The used refrigerant is the fluoride R32, which is specially cleaned. The refrigerant is flammable and inodorous. Furthermore, it can lead 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 there fore 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 Xm².

(Please refer to table "a" in section of " Safety operation of flammable refrigerant " for space X.) Appliance filled with flammable gas R32. For repairs, strictly follow manufacturer's instructions only. Be aware that refrigerants may not contain an odour. Read specialist's manual.



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.

- 1) Frequency band(s) in which the radio equipment operates: 2400MHz-2483.5MHz
- Maximum radio-frequency power transmitted in the frequency band(s) in which the radio equipment operates: 20dBm

R32: 675



This marking indicates that this product should not be disposed with other house hold wastes. To prevent possible harm to the environment or human health from uncontrolled waste throu-

ghout the EU. To prevent possible harm to the environment or human health.

From uncontrolled waste disposal, recycle it responsibly to promote the sustainable reuse of material resources. To return your used device, please use the return and collection systems or contact the retailer where the product was purchased. They can take this product for environmental safe recycling.

If it needs to install, move or maintain the air conditioner, please contact dealer or local service center to conduct it at first. Air conditioner must be installed, moved or maintained by appointed unit. Otherwise, it may cause serious damage or personal injury or death.

Safety operation of flammable refrigerant

Qualification requirement for installation and maintenance man

- 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.
- It can only be repaired by the method suggested by the equipment's manufacturer.

Safety operation of flammable refrigerant

Installation notes

- 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 a.
- It is not allowed to drill hole or burn the connection pipe.
- Leak test is a must after installation.

table a - Minimum room area (m²)

Charge amount (kg)	floor location	window mounted	wall mounted	ceiling mounted
≤1.2	/	/	/	/
1.3	14.5	5.2	1.6	1.1
1.4	16.8	6.1	1.9	1.3
1.5	19.3	7	2.1	1.4
1.6	22	7.9	2.4	1.6
1.7	24.8	8.9	2.8	1.8
1.8	27.8	10	3.1	2.1
1.9	31	11.2	3.4	2.3
2	34.3	12.4	3.8	2.6
2.1	37.8	13.6	4.2	2.8
2.2	41.5	15	4.6	3.1
2.3	45.4	16.3	5	3.4
2.4	49.4	17.8	5.5	3.7
2.5	53.6	19.3	6	4

Maintenance notes

- 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.
- Check whether the maintenance area is well-ventilated.
 - The continuous ventilation status should be kept during the operation process.

- 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.
- Check whether the appliance mark is in good condition.
 - Replace the vague or damaged warning mark.

Welding

- 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
- The refrigerant should be recycled into the specialized storage tank.
- Make sure that there isn't any naked flame near the outlet of the vacuum pump and it's wellventilated.

Filling the refrigerant

- Use the refrigerant filling appliances specialized for R32. Make sure that different kinds of refrigerant won't contaminate with each other.
- The refrigerant tank should be kept upright at the time of filling refrigerant.
- Stick the label on the system after filling is finished (or haven't finished).
- Don't overfilling.
- After filling is finished, please do the leakage detection before test running; another time of leak detection should be done when it's removed.

Safety instructions for transportation and storage

- Please use the flammable gas detector to check before unload and open the container.
- No fire source and smoking.
- According to the local rules and laws.

Main Tools for Installation and Maintenance

