

1 Summary



Model	Remark
GSW12-22L/B GSW12-22R/B GSW18-22L/B GSW18-22R/B KF-35GW/A4-12206	1PH 220V 60Hz R22
KF-26GW/J11 KFR-26GW/J11 KF-35GW/J11 KFR-35GW/J11 KF-45GW/J11 KFR-45GW/J11	1PH 220-230V 50Hz R22
KFR-26GW/J11-12405 KFR-35GW/J11-12405	1PH 240V 50Hz R22
KFR-20GW/NJ11 KF-26GW/NJ11 KFR-26GW/NJ11 KF-35GW/NJ11 KFR-35GW/NJ11 KF-45GW/NJ11 KFR-45GW/NJ11 KF-35GW/NJ21 KFR-35GW/NJ21 KF-45GW/NJ21 KFR-45GW/NJ21	1PH 220-230V 50Hz R407C
KFR-35GW/NaJ11 KFR-35GW/NaJ12 KFR-45GW/NaJ11	1PH 220-230V 50Hz R410A



Model	Remark
KFR-26GW/NJ11 KFR-35GW/NJ11	1PH 220-230V 50Hz R407C
KFR-45GW/NJ11	1PH 220-230V 50Hz R410A

2 Technical and specifications

Model				GSW12-22L/B	GSW12-22R/B	GSW18-22L/B	GSW18-22R/B
Function				Cooling	Cooling and heating	Cooling	Cooling and heating
Power supply (Phase-Frequency-Voltage)				1Ph 60Hz 220-230V			
Capacity		(W)		3500	3500/3800	4500	4500/5000
Rated power		(W)		1300	1300/1280	1680	1680/1600
Rated current		(A)		6.0	6.0/5.82	7.64	7.64/7.3
Dehumidify volume		(L/h)		6.0	1.6/-	2.0	2.0/-
C. O. P/EER		(W/W)		2.5	2.4/2.71	2.43	2.43/2.5
Indoor unit	Model			GSW12-22L/B(I)	GSW12-22R/B(I)	GSW18-22L/B(I)	GSW18-22R/B(I)
	Fan speed (r/min) (H/M/L)			1090/1010/920		1250/1100/1050	
	Output power (W)			31			
	Fan type-piece			Cross flow fan-1			
	Diameter- length (mm)			Φ92-616			
	Evaporator			Aluminum fin-copper tube			
	Pipe diameter			Φ7	Φ7	Φ7	Φ7
	Row-fin distance (mm)			2-1.5		2-1.4	
	Working area (m ²)			0.18		0.18	
	Stepping motor			MP24GA			
	Motor power (W)			2			
	Control method/Fuse (A)			Controller 3.15A Transformer 0.2A			
	Running capacity (uF)			1		1	
	Noise dB(A)			39		44	
	Outline dimension (W/D/H) (mm)			830×189×285			
	Package dimension (W/D/H) (mm)			930×268×394			
	Net weight/ Gross weight (kg)			11/14			
Outdoor unit	Model			GSW12-22L/B(O)	GSW12-22R/B(O)	GSW18-22L/B(O)	GSW18-22R/B(O)
	Rated power (W)			1270	1270/1250	1650	1650/1570
	Rated current (A)			5.8	6.1/5.8	7.5	7.5/7.1
	Throttling method			Capillary			
	Compressor type			Rotary			
	Starting method			Capacity			
	Working temp. (℃)			≤115℃			
	Condensor			Aluminum fin-copper tube			
	Pipe diameter			Φ9.52	Φ9.52	Φ9.52	Φ9.52
	Row-fin distance (mm)			1-1.6		2-1.6	
	Working area (m ²)			0.4		0.4	
	Fan motor power (W)/ speed (rpm)			48/885		48/885	
	Fan type-piece			Axial flow fan-1			
	Fan blade diameter (mm)			Φ400			
	Defrost method			Auto defrost			
	Noise dB (A)			56		57	
	Outline dimension (W/D/H) (mm)			848×320×540			
	Package dimension (W/D/H)(mm)			878×360×600			
	Net weight/ Gross weight (kg)			40/44		40/44	
	Refrigerant/ refrigerant charge (kg)			R22/0.8	R22/1.0	R22/1.2	R22/1.2
Connection pipe	Outer diameter	Liquid pipe	(mm)	φ6(1/4")			
		Gas pipe	(mm)	Φ12(1/2")			
	Max. distance	Height	(m)	10			
		Length	(m)	20			

Model				KF-26GW/J11	KFR-26GW/J11	KF-26GW/NJ11	KFR-26GW/NJ11
Function				Cooling	Cooling and heating	Cooling	Cooling and heating
Power supply (Phase-Frequency-Voltage)				1Ph 50Hz	220-230V	1Ph 50Hz	220-230V
Capacity		(W)	2600	2600/2800	2600	2600/2800	
Rated power		(W)	930	930/950	980	980/1000	
Rated current		(A)	4.4	4.4/4.5	4	4/4.6	
Dehumidify volume		(L/h)	1.2	1.2/-	1.2	1.2/-	
C. O. P/EER		(W/W)	2.72	2.72/2.67	2.72	2.72/2.67	
Indoor unit	Model			KF-26G/J11	KFR-26G/J11	KF-26G/NJ11	KFR-26G/NJ11
	Fan speed (r/min) (H/M/L)			900/850/800		910/840/780	910/840/760
	Output power (W)			31			
	Fan type-piece			Cross flow fan -1			
	Diameter-length(mm)			Φ92-616			
	Evaporator			Aluminum fin-copper tube			
	Pipe diameter			Φ7			
	Row- fin distance(mm)			2-1.4		2-1.5	
	Working area (m ²)			0.18			
	Stepping motor			MP24GA			
	Motor power (W)			2			
	Control method/Fuse(A)			Controller 3.15A Transformer 0.2A			
	Running capacity (μ F)			1			
	Noise dB (A)			34			
	Outline dimension (W/D/H) (mm)			830×189×285			
	Package dimension (W/D/H) (mm)			930×268×394			
	Net weight/Gross weight(kg)			11/14			
Outdoor unit	Model			KF-26W/J11	KFR-26W/J11	KF-26W/NJ11	KFR-26W/NJ11
	Rated power (W)			900	900/920	950	950/970
	Rated current (A)			4.2	4.2/4.3	3.8	3.8/4.4
	Throttling method			Capillary			
	Compressor type			Rotary			
	Starting method			Capacity			
	Working temp. (℃)			≤115℃			
	Condensor			Aluminum fin-copper tube			
	Pipe diameter			Φ9.52			
	Row-fin distance (mm)			1-1.6			
	Working area (m ²)			0.4			
	Fan motor power(W)/speed (rpm)			30/805			
	Fan type-piece			Axial flow fan-1			
	Fan blade diameter (mm)			Φ400			
	Defrost method			Auto defrost			
	Noise dB(A)			52			
	Outline dimension (W/D/H) (mm)			848×320×540			
	Package dimension (W/D/H) (mm)			878×360×600			
	Net weight/ Gross weight (kg)			32/34			
	Refrigerant/ refrigerant charge (kg)			R22/0.85	R22/0.9	R407C/0.85	R407C/0.85
Connection pipe	Outer diameter	Liquid pipe	(mm)	φ6(1/4")			
		Gas pipe	(mm)	Φ9.52(3/8")			
	Max. distance	Height	(m)	10			
		Length	(m)	20			

Model		KF-35GW/J11	KFR-35GW/J11	KF-45GW/J11
Function		Cooling	Cooling and heating	Cooling
Power supply(Phase-Frequency-Voltage)		1Ph 50Hz 220-230V		
Capacity	(W)	3500	3500/3800	4500
Rated power	(W)	1340	1340/1380	1800
Rated current	(A)	6	6.0/6.4	8.2
Dehumidify volume	(L/h)	1.5	1.5/-	2
C. O. P/EER	(W/W)	2.57	2.57/2.66	2.43
Indoor unit	Model		KF35G/J11	KFR-35G/J11
	Fan speed (r/min)(H/M/L)		1050/950/900	1250/1150/1050
	Output power (W)		20	20
	Fan type-piece		Cross flow fan-1	
	Diameter-length(mm)		Φ91-616	
	Evaporator		Aluminum fin-copper tube	
	Pipe diameter		Φ7	Φ7
	Row- fin distance(mm)		2-1.5	2-1.4
	Working area (m ²)		0.18	0.18
	Stepping motor		MP24GA	
	Motor power (W)		2	
	Control method/Fuse(A)		Controller 3.15A Transformer 0.2A	
	Running capacity (μ F)		1	1
	Noise dB (A)		39	44
	Outline dimension (W/D/H) (mm)		830×189×285	
	Package dimension (W/D/H) (mm)		930×268×394	
	Net weight/Gross weight(kg)		11/14	
Outdoor unit	Model		KF35W/J11	KFR-35W/J11
	Rated power (W)		1340	1340/1380
	Rated current (A)		6.0	6.0/6.4
	Throttling method		Capillary	
	Compressor type		Fully-concealed rotary	Rotary
	Starting method		Capacity	
	Working temperature (°C)		≤115℃	
	Condenser		Aluminum fin-copper tube	
	Pipe diameter		Φ9.52	Φ9.52
	Row- fin distance(mm)		1-1.6	2-1.6
	Working area (m ²)		0.4	0.4
	Fan motor power (W)/ speed (rpm)		36/880	36/880
	Fan type-piece		Axial flow fan -1	
	Fan blade diameter (mm)		Φ400	
	Defrost method		Auto	
	Noise dB (A)		56	57
	Outline dimension(W/D/H) (mm)		848×320×540	
	Package dimension (W/D/H) (mm)		878×360×600	
	Net weight/Gross weight(kg)		40/44	40/44
	Refrigerant/refrigerant charge(kg)		R22/0.9	R22/1.0
Connection pipe	Outer diameter	Liquid pipe (mm)	φ6(1/4")	φ6(1/4")
		Gas pipe (mm)	φ9.52(3/8")	φ12(1/2")
	Max. distance	Height (m)	10	
		Length (m)	20	

Model		KF-35GW/A4-12206		KF-45GW/NJ11
Function		Cooling		Cooling and heating
Power supply(Phase-Frequency-Voltage)		1Ph 60Hz 220-230V		1Ph 50Hz 220-230V
Capacity	(W)	3500	4500	3500
Rated power	(W)	1160	1950	1250/1280
Rated current	(A)	5.27	8.1	5.68/5.81
Dehumidify volume	(L/h)	1.2	1.5	1.2
C. O. P/EER	(W/W)	3.0	2.43	3.2/3.4
Indoor unit	Model		KF-35G/A4-12206	
	Fan speed (r/min) (H/M/L)		1090/1010/920	
	Output power (W)		8	
	Fan type-piece		Cross flow fan -1	
	Diameter-length(mm)		Φ92-616	
	Evaporator		Aluminum fin-copper tube	
	Pipe diameter		Φ9.52	Φ7
	Row- fin distance(mm) (mm)		2-1.4	
	Working area (m ²)		0.18	
	Stepping motor		MP24GA	
	Motor power (W)		2	
	Control method/Fuse(A)		Controller 3.15A Transformer 0.2A	
	Running capacity (μF)		1	
	Noise dB (A)		38	44
	Outline dimension (W/D/H) (mm)		830×189×285	
	Package dimension (W/D/H) (mm)		930×268×394	
	Net weight/Gross weight(kg)		11/14	
Outdoor unit	Model		KF-35W/A4-12206	
	Rated power (W)		1100	
	Rated current (A)		5	
	Throttling method		Capillary	
	Compressor type		Rotary	
	Starting method		Capacity	
	Working temperature (°C)		≤115°C	
	Condenser		Aluminum fin-copper tube	
	Pipe diameter		Φ9.52	Φ9.52
	Row- fin distance(mm)		2-1.6	
	Working area (m ²)		0.4	
	Fan motor power (W)/ speed (rpm)		48/885	
	Fan type-piece		Axial flow fan -1	
	Fan blade diameter (mm)		Φ400	
	Defrost method		Auto defrost	
	Noise dB (A)		56	57
	Outline dimension (W/D/H) (mm)		848×320×540	
	Package dimension (W/D/H) (mm)		878×360×600	878×360×610
	Net weight/Gross weight(kg)		40/44	
	Refrigerant/refrigerant charge(kg)		R22/1.0	R407C/1.4
Connection pipe	Outer diameter	Liquid pipe	(mm)	Φ6(1/4")
		Gas pipe	(mm)	Φ12(1/2")
	Max. Distance	Height	(m)	10
		Length	(m)	20

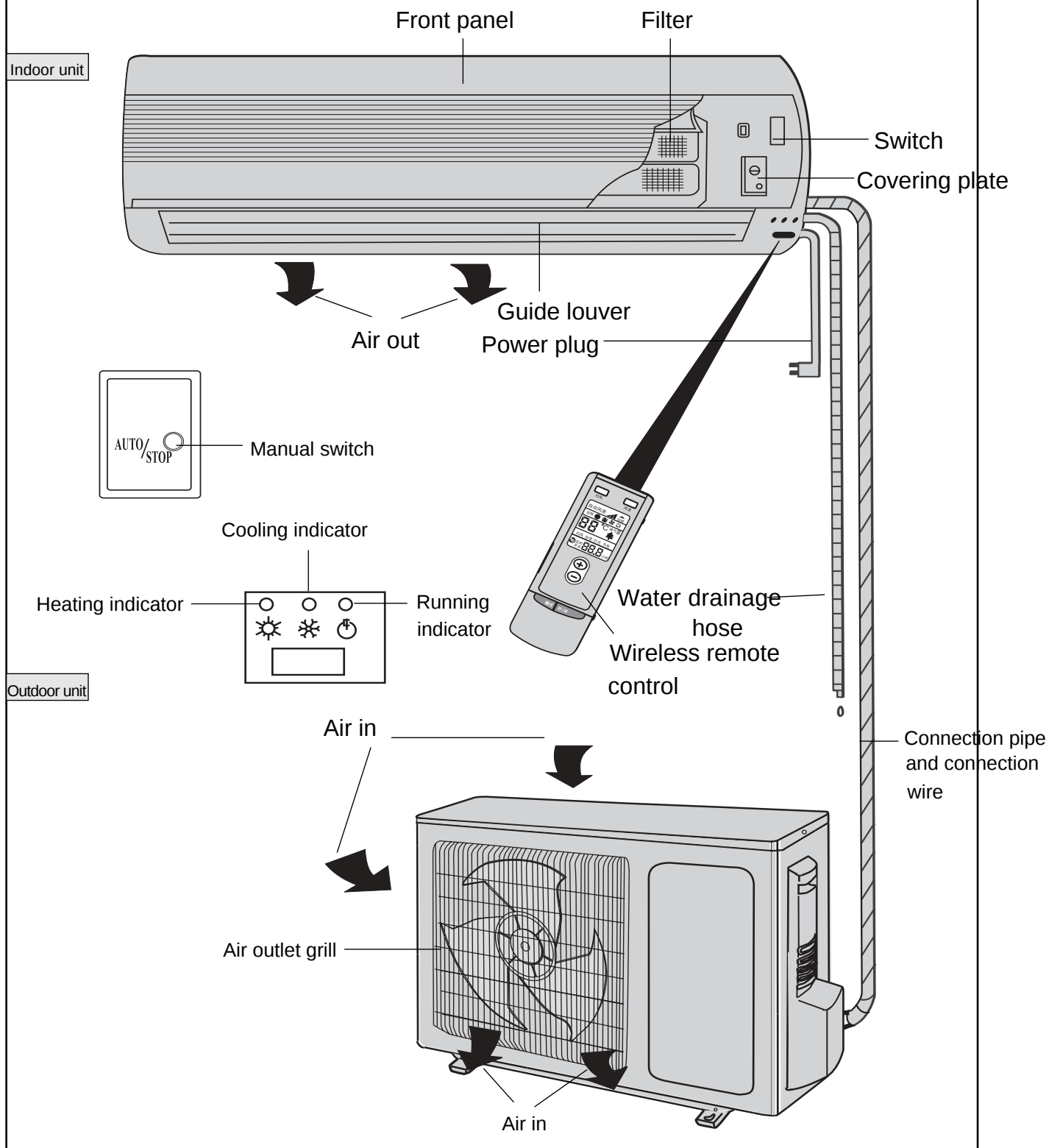
Model		KFR-26GW/J11-12405	KFR-35GW/J11-12405	KFR-20GW/NJ11	KFR-45GW/NJ11	
Function		Cooling and heating	Cooling and heating	Cooling and heating	Cooling and heating	
Power supply(Phase-Frequency-Voltage)		1Ph 50Hz 240V		1Ph 50Hz 220-230V		
Capacity	(W)	2600/3000	3500/3800	2000/2400	4500/4900	
Rated power	(W)	1130/1170	1500/1600	970/970	1950/2000	
Rated current	(A)	4. 55	6. 43	4. 4	8. 1/8. 1	
Dehumidify volume	(L/h)	0. 9	1. 2	1. 2	1. 5	
C. O. P/EER	(W/W)	2. 7/2. 8	2. 6/2. 7	2. 06/2. 47	2. 43/2. 65	
Indoor unit	Model		KFR-26G/J11-12405	KFR-35G/J11-12405	KFR-20G/NJ11	KFR-45G/NJ11
	Fan speed (r/min) (H/M/L)		910/840/760	1090/1010/920	910/840/760	1350/1200/1100
	Output power (W)		6	8	6	22
	Fan type-piece		Cross flow fan -1			
	Diameter-length(mm)		Φ92-616			
	Evaporator		Aluminum fin-copper tube			
	Pipe diameter		Φ7			
	Row- fin distance(mm)		2-1. 6	2-1. 4	2-1. 4	
	Working area (m ²)		0. 211	0. 18		
	Stepping motor		MP24GA			
	Motor power (W)		2			
	Control method/Fuse(A)		Controller 3.15A Transformer 0.2A			
	Running capacity (μF)		1			
	Noise dB(A)		34	39	34	44
	Outline dimension (W/D/H) (mm)		830×189×285			
	Package dimension (W/D/H) (mm)		930×268×394			
	Net weight/Gross weight(kg)		11/14			
Outdoor unit	Model		KFR-26W/J11-12405	KFR-35W/J11-12405	KFR-20W/NJ11	KFR-45W/NJ11
	Rated power (W)		900	1300	830/850	1850/1850
	Rated current (A)		4. 1/4. 4	5. 7/6	3. 77/3. 86	8. 04
	Throttling method		Capillary			
	Compressor type		Scroll piston rotary	Fully-concealed rotary	Rotary	
	Starting method		Capacity			
	Working temperature (℃)		≤115℃			
	Condenser		Aluminum fin-copper tube			
	Pipe diameter		Φ9. 52	Φ9. 52	Φ9. 52	Φ9. 52
	Row- fin distance(mm)		1-1. 6	1-1. 6	2-1. 4	
	Working area (m ²)		0. 396			0. 8
	Fan motor power (W)/ speed (rpm)		30/805	48/885	30/850	48/900
	Fan type-piece		Axial flow fan -1			
	Fan blade diameter (mm)		Φ400			
	Defrost method		Auto			
	Noise dB(A)		52	56	52	57
	Outline dimension (W/D/H) (mm)		848×320×540			
	Package dimension (W/D/H) (mm)		878×360×600			
	Net weight/Gross weight(kg)		32	40	32/34	40/44
	Refrigerant/refrigerant charge(kg)		R22/0. 9	R22/1. 05	R407C/0. 85	R407C/1. 4
	Connection pipe	Outer diameter	Liquid pipe (mm)	Φ6(1/4")		
			Gas pipe (mm)	Φ12(1/2")	Φ9.52(3/8")	Φ9.52(3/8")
Max. distance		Height (m)	10			
		Length (m)	20			

Model			KF-35GW/NJ21	KFR-35GW/NJ21	KF-45GW/NJ21	KFR-45GW/NJ21
Function			Cooling	Cooling and heating	Cooling	Cooling and heating
Power supply(Phase-Frequency-Voltage)			1Ph 50Hz 220-230V			
Capaicty		(W)	3500	3500/3800	4500	4500/4900
Rated power		(W)	1550	1600/1600	1950	1950/2000
Rated current		(A)	6.82	7.27/7.27	8.86	8.86/9.09
Dehumidify volume		(L/h)	1.2	1.2	1.5	1.5
C. O. P/EER		(W/W)	2.45	2.45	2.4	2.4
Indoor unit	Model		KF-35G/NJ21	KFR-35G/NJ21	KF-45G/NJ21	KFR-45G/NJ21
	Fan speed (r/min) (H/M/L)		1250/1100/1050	1250/1100/1050	1350/1200/1100	1350/1200/1100
	Output power (w)		20	20	22	22
	Fan type-piece		Cross flow fan -1			
	Diameter-length(mm)		Φ92-616			
	Evaporator		Aluminum fin-copper tube			
	Pipe diameter		Φ7			
	Row- fin distance(mm)		2-1.4	2-1.4	2-1.4	2-1.4
	Working area (m ²)		0.14			
	Stepping motor		MP24GA			
	Motor power (W)		2			
	Control method/Fuse(A)		Controller 3.15A Transformer 0.2A			
	Running capacity(μ F)		1			
	Noise dB (A)		39		44	
	Outline dimension (W/D/H) (mm)		830×189×285			
	Package dimension (W/D/H) (mm)		930×268×394			
	Net weight/Gross weight(kg)		11/14			
Outdoor room	Model		KF-35W/NJ21	KFR-35W/NJ21	KF-45W/NJ21	KFR-45W/NJ21
	Rated power (W)		1400	1460/1400	1800	1750/1800
	Rated current (A)		6.36	6.63/6.36	8.18	7.95/8.18
	Throttling method		Capillary			
	Compressor type		Fully-concealed rotary	Fully-concealed rotary	Rotary	Rotary
	Starting method		Capacity			
	Working temp.(℃)					
	Condenser		Aluminum fin-copper tube			
	Pipe diameter		Φ9.52	Φ9.52	Φ9.52	Φ9.52
	Row-fin distance (mm)		1-1.4	1-1.4	2-1.4	2-1.4
	Working area(m ²)		0.4			
	Fan motor power (W)/ speed (rpm)		48/885			
	Fan type-piece		Axial flow fan -1			
	Fan blade diameter (mm)		Φ400			
	Defrost method		Auto defrost			
	Noise dB (A)		56		57	
	Outline dimension (W/D/H) (mm)		848×320×540			
	Package dimension (W/D/H) (mm)		878×360×600			
	Net weight/Gross weight(kg)		40/44			
	Refrigerant/refrigerant charge(kg)		R407C/0.8	R407C/1.02	R407C/1.4	R407C/1.4
Connection pipe	Outer diameter	Liquid pipe (mm)	φ6(1/4")			
		Gas pipe (mm)	Φ12(1/2")			
	Max. distance	Height (m)	10			
		Length (m)	20			

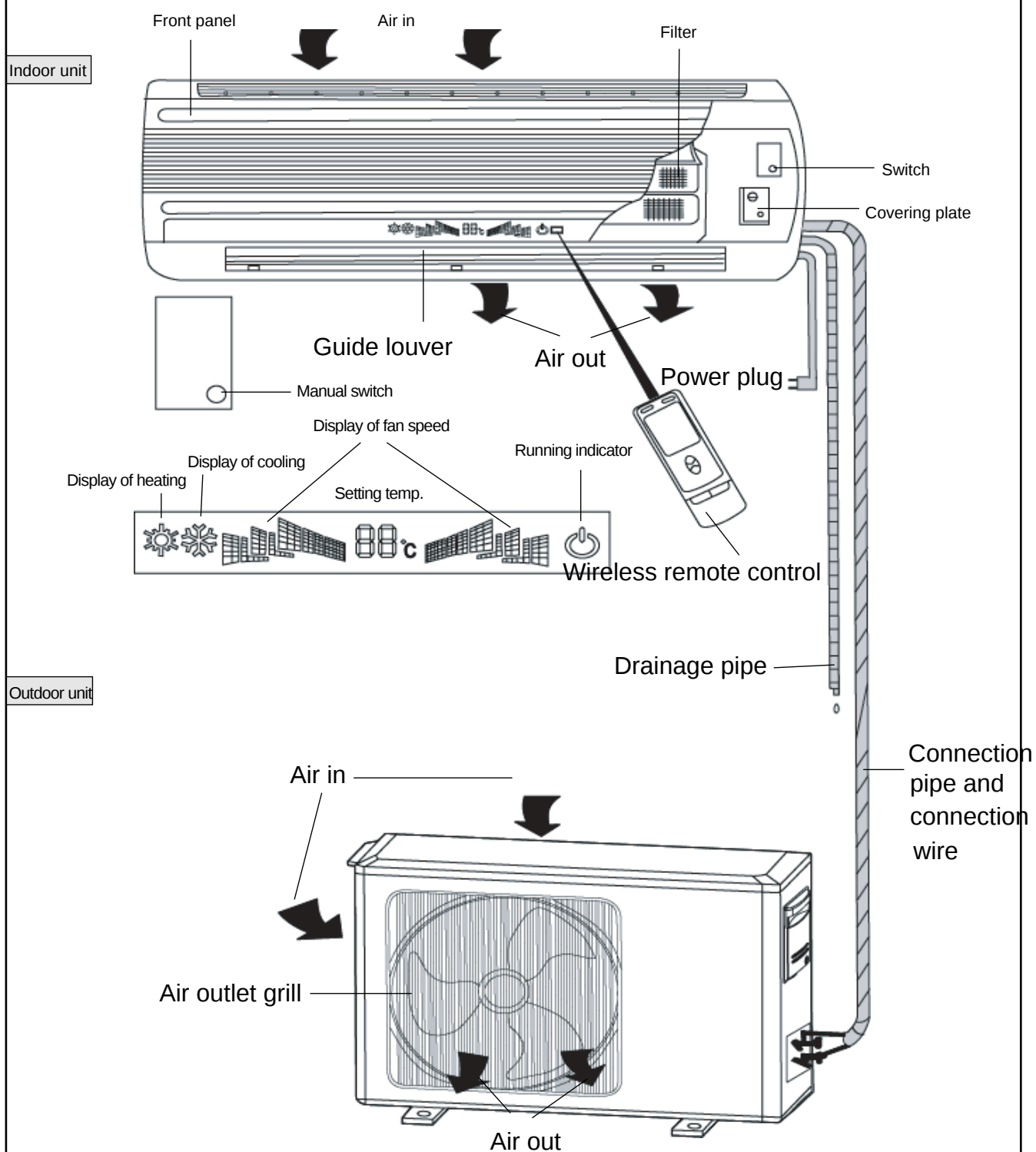
Model		KFR-26GW/NJ11	KF-35GW/NJ11	KFR-35GW/NJ11
Function		Cooling and heating	Cooling	Cooling and heating
Power supply(Phase-Frequency-Voltage)		1Ph 50Hz 220-230V		
Capacity	(W)	2600/2800	3500	3500/3800
Rated power	(W)	1200/1200	1400	1460/1400
Rated current	(A)	4/4.6	6.09	6.35/6.09
Dehumidify volume	(L/h)	1.2/-	1.6	1.6/-
C. O. P/EER	(W/W)	2.72/2.67	2.5	2.4/2.71
Indoor unit	Model		KFR-26G/NJ11	KF-35G/NJ11
	Fan speed (r/min) (H/M/L)		910/840/760	1090/1010/920
	Output power(W)		6	31
	Fan type-piece		Cross flow fan-1	
	Diameter-length(mm)		Φ92-616	
	Evaporator		Aluminum fin-copper tube	
	Pipe diameter		Φ9.52	
	Row- fin distance(mm)		2-1.5	
	Working area (m ²)		0.18	
	Stepping motor		MP24GA	
	Motor power (W)		2	
	Control method/Fuse(A)		Controller 3.15A Transformer 0.2A	
	Running capacity (μF)		1	
	Noise dB (A)		34	39
	Outline dimension (W/D/H) (mm)		830×189×285	
	Package dimension (W/D/H) (mm)		930×268×394	
	Net weight/Gross weight(kg)		11/14	
Outdoor unit	Model		KFR-26W/NJ11	KF-35W/NJ11
	Rated power(W)		980/1000	1370
	Rated current (A)		4.45/4.55	5.8
	Throttling method		Capillary	
	Compressor type		Rotary	
	Throttling method		Capacity	
	Working temperature (°C)		≤115°C	
	Condensor		Aluminum fin-copper tube	
	Pipe diameter		Φ9.52	
	Row-fin distance (mm)		1-1.4	1-1.6
	Working area (m ²)		0.4	
	Fan motor power (W)/ speed (rpm)		30/850	48/885
	Fan type-piece		Axial flow fan -1	
	Fan blade diameter (mm)		Φ400	
	Defrost method		Auto defrost	
	Noise dB (A)		52	
	Outline dimension (W/D/H) (mm)		848×320×540	
	Package dimension (W/D/H) (mm)		878×360×600	
	Net weight/Gross weight(kg)		32/34	40
	Refrigerant/refrigerant charge(kg)		R407C/1.0	R407C/0.8
Connection pipe	Outer diameter	Liquid pipe (mm)	Φ6(1/4")	
		Gas pipe (mm)	Φ9.52(3/8")	Φ12(1/2")
	Max. distance	Height (m)	10	
		Length (m)	20	

Model				KFR-35GW/NaJ12		KFR-45GW/NaJ11	
Function				Cooling and heating		Cooling and heating	
Power supply(Phase-Frequency-Voltage)				1Ph 50Hz		220-230V	
Capacity		(W)		3500/3700		4500/4800	
Rated power		(W)		1250/1280		1850/1950	
Rated current		(A)		5.6/5.6		8.4/8.6	
Dehumidify volume		(L/h)		1.8		1.5	
C. O. P/EER		(W/W)		3.2/3.5		2.43/2.65	
Indoor unit	Model			KFR-35G/NaJ12		KFR-45G/NaJ11	
	Fan speed (r/min) (H/M/L)			1350/1200/1100		1350/1200/1100	
	Output power (W)			22		22	
	Fan type-piece			Cross flow fan -1			
	Diameter-length(mm)			Φ 92-616			
	Evaporator			Aluminum fin-copper tube			
	Pipe diameter			Φ 7			
	Row- fin distance(mm)			2-1.4			
	Working area (m ²)			0.14			
	Stepping motor			MP24GA			
	Motor power (W)			2			
	Control method/Fuse(A)			Controller 3.15A Transformer 0.2A			
	Running capacity (μ F)			1			
	Noise dB (A)			44			
	Outline dimension (W/D/H) (mm)			830×189×285			
	Package dimension(W/D/H) (mm)			930×268×394			
	Net weight/Gross weight(kg)			11/14			
Outdoor unit	Model			KFR-35W/NaJ12		KFR-45W/NaJ11	
	Rated power (W)			1050/1050		1850/1850	
	Rated current (A)			4.78		8.04	
	Throttling method			Capillary			
	Compressor type			Standing type rotary			
	Starting method			Capacity			
	Working temperature(℃)			≤115℃			
	Condensor			Aluminum fin-copper tube			
	Pipe diameter			Φ 9.52		Φ 9.52	
	Row- fin distance(mm)			2-1.4		2-1.4	
	Working area (m ²)			0.4			
	Fan motor power (W)/ speed (rpm)			30/830		48/900	
	Fan type-piece			Axial flow fan -1			
	Fan blade diameter (mm)			Φ 400			
	Defrost method			Auto defrost			
	Noise dB (A)			54		56	
	Outline dimension (W/D/H) (mm)			848×320×540			
	Package dimension (W/D/H) (mm)			878×360×600			
	Net weight/Gross weight(kg)			40/44		40/44	
Refrigerant/refrigerant charge(kg)			R410A/1.35		R410A/1.45		
Connection pipe	Outer diameter	Liquid pipe	(mm)	φ 6(1/4")			
		Gas pipe	(mm)	φ 12(1/2")			
	Max. distance	Height	(m)	10			
		Length	(m)	20			
The above data are subject to change without notice, please refer to the nameplate.							

3 Spare part name

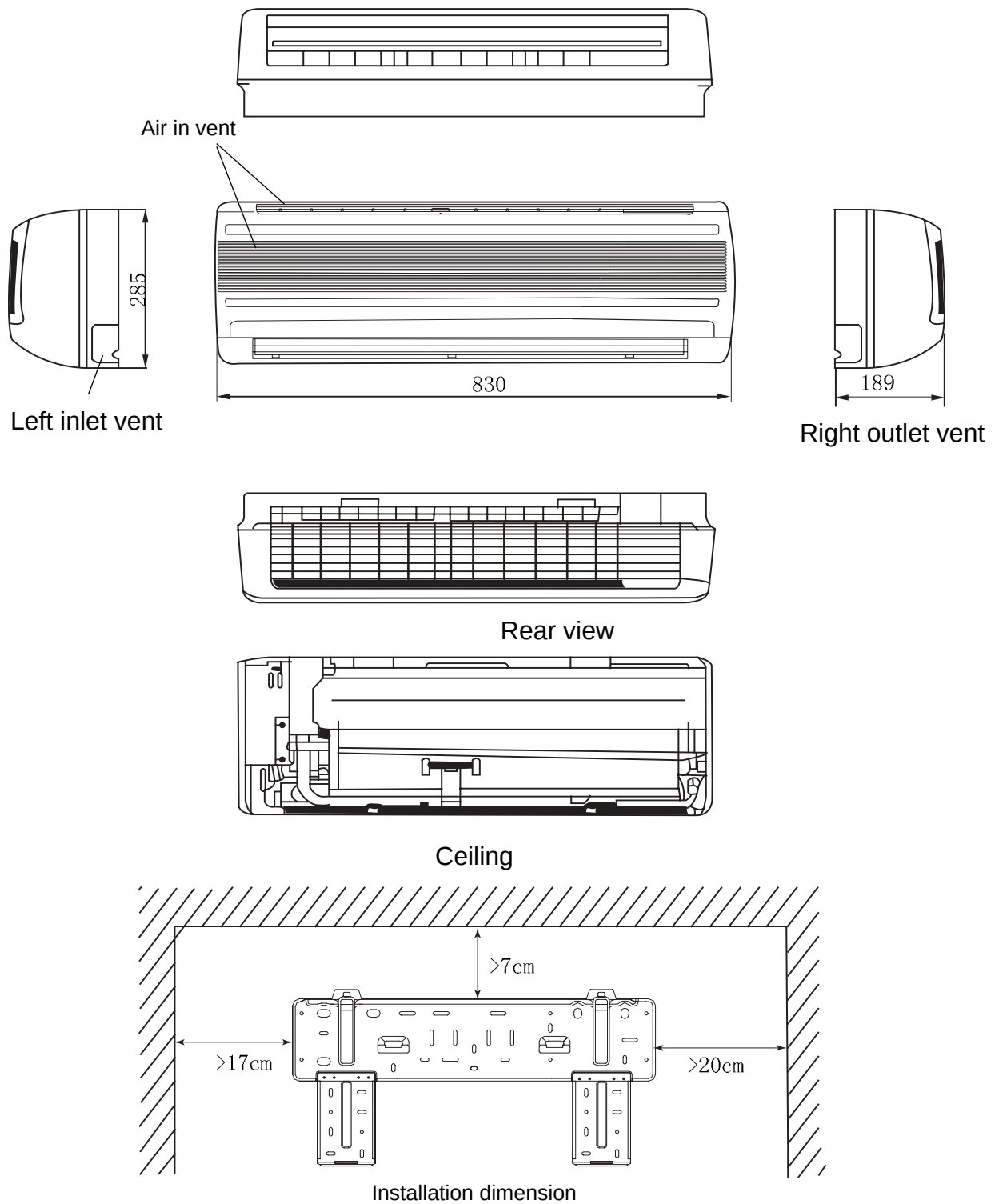


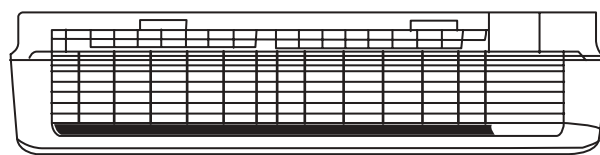
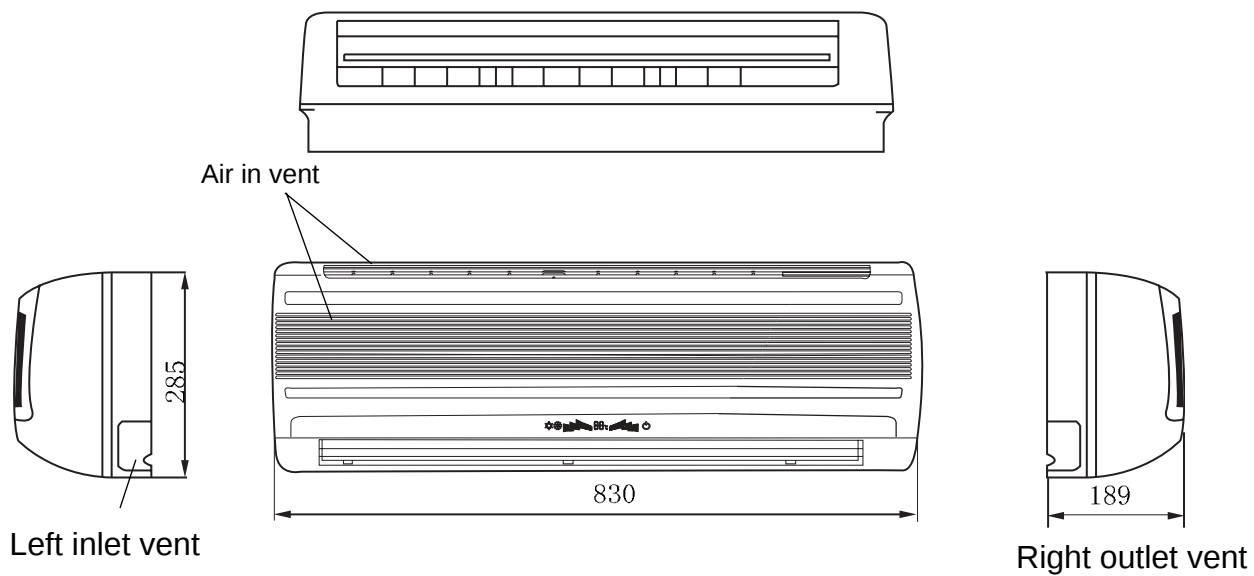
It is applied to the indoor unit where there is a displayer on the front panel



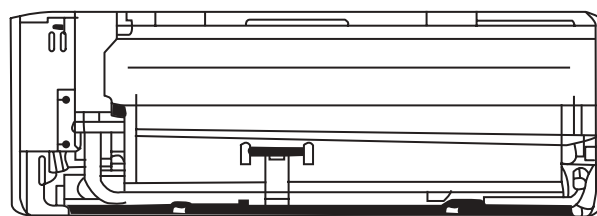
4 Outline and installation dimension

4.1 The outline and installation dimension for indoor unit

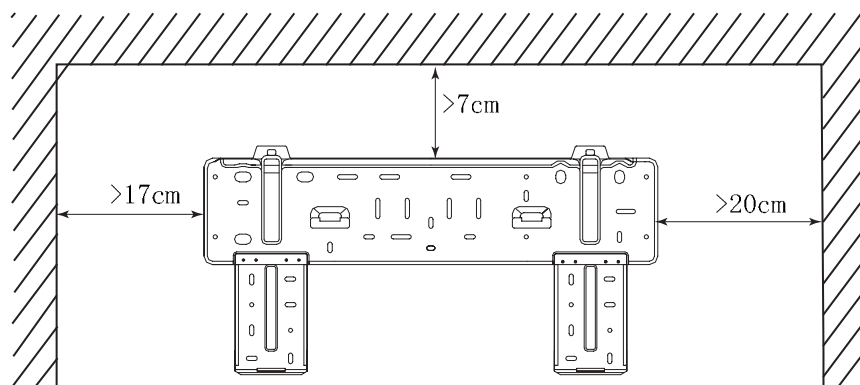




Rear view

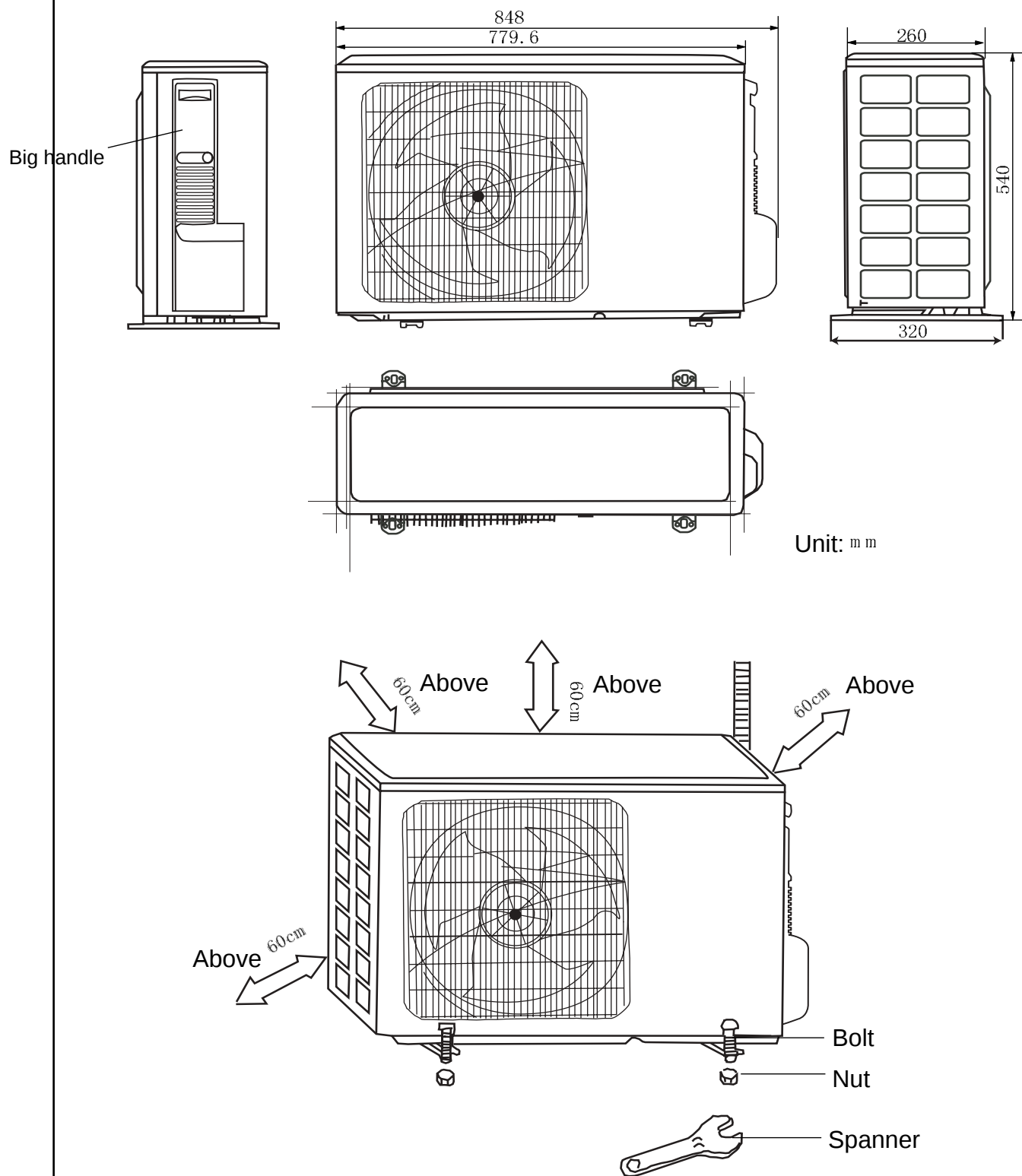


Ceiling



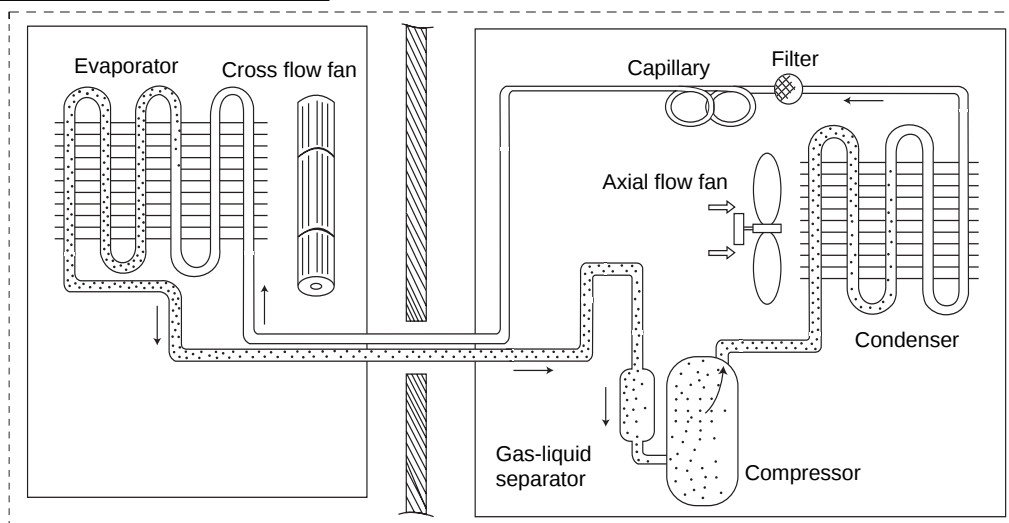
Installation dimension

4. 2 Outline and installation dimension for outdoor unit



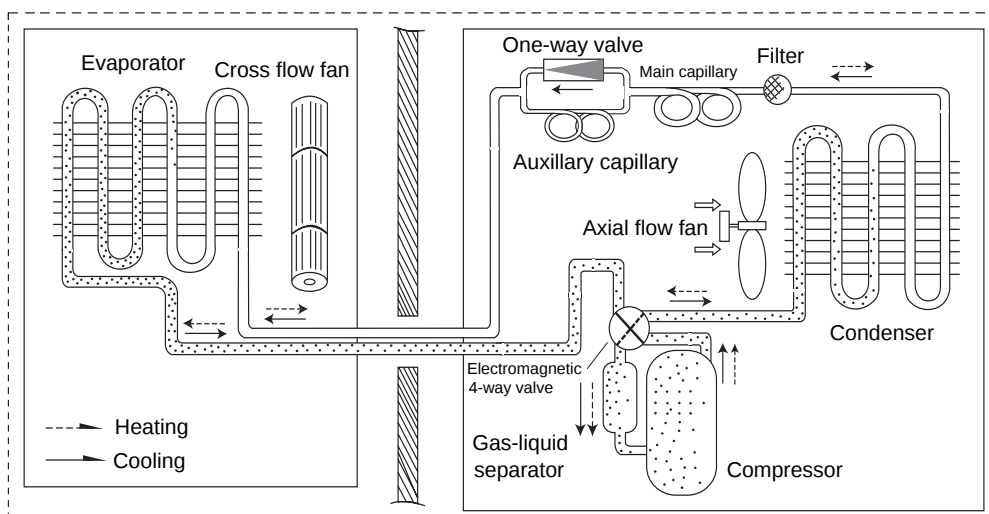
5 System diagram

5.1 System diagram for cooling only type



When the power is on, the unit start to work. The compressor sucks low-pressure refrigerant gas from the evaporator and discharges high-temperature and high-pressure gas into condenser. Then air exchanges the heat with outdoor air and becomes refrigerant liquid. The liquid is throttled by the capillary and changes into low-temperature and low-pressure liquid and then flows into indoor evaporator. The liquid exchanges the heat and changes into low-temperature and low-pressure refrigerant gas, the cycle introduced above goes on and on, and the demanded low temperature environment is maintained.

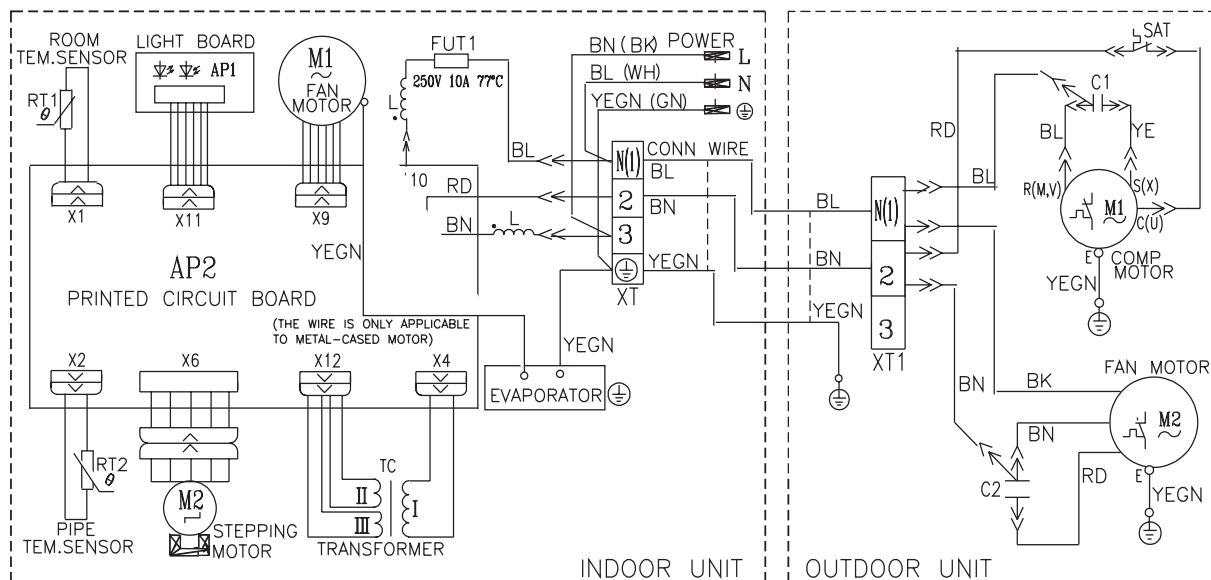
5.2 System diagram for cooling and heating type



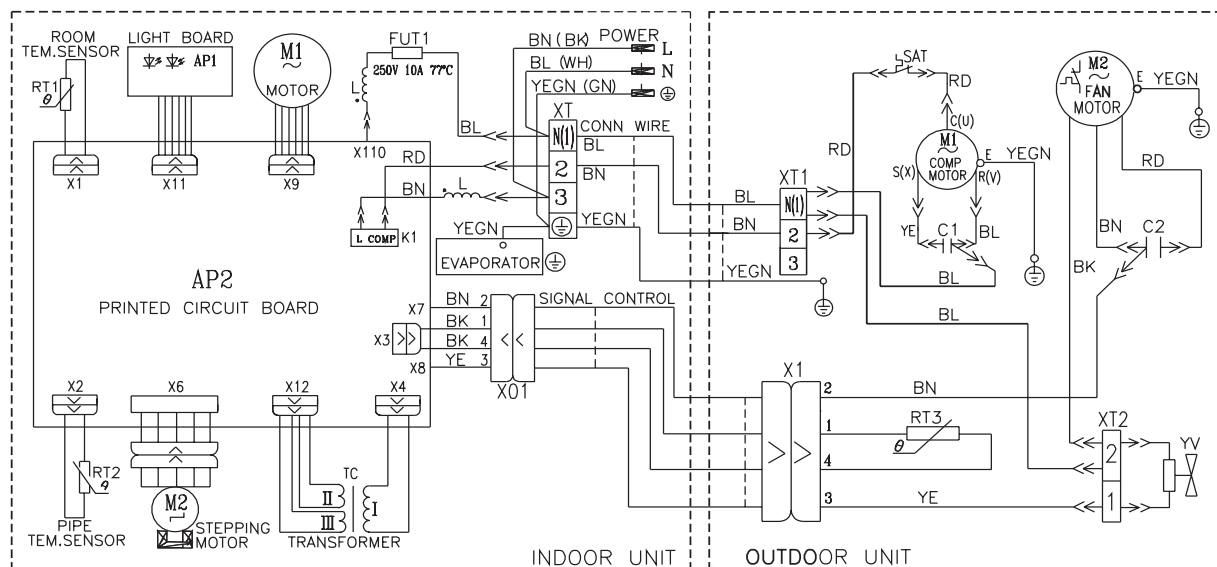
When the power is on, indoor and outdoor units will start to run. When the system operates in cool mode, the compressor sucks low-temperature refrigerant gas from the evaporator and sucked by compressor, compresses into high-temperature, high-pressure gas, and then discharges into condenser, heat exchanges with the outdoor air becomes into refrigerant liquid, the liquid is throttled by the capillary and the temperature and pressure lower down, enter into the evaporator, heat exchanges with the indoor air which need to be adjusted, then changes into low-temperature, low-pressure refrigerant gas, the cycle introduced above goes on and on, the demanded low temperature environment is maintained. (When in heat mode, the 4-way valve changes its way and the refrigerant flows in the reversible cycle, to make the condenser sucks heat, evaporator discharges heat, and the demanded high temperature environment is maintained.)

6 Circuit diagram

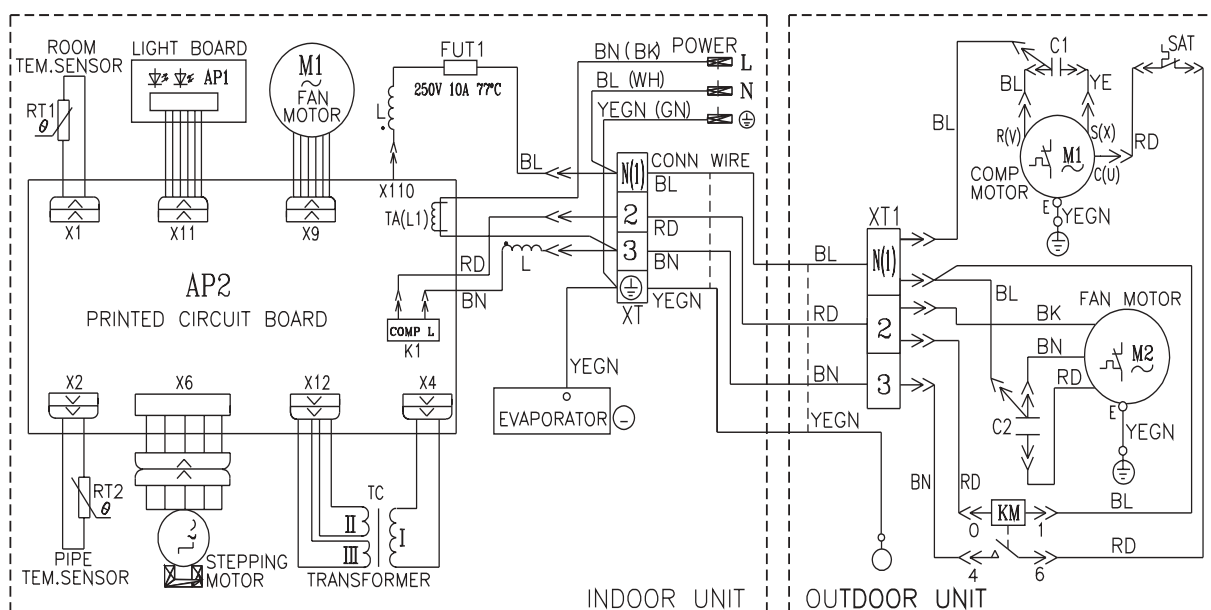
GSW12-22L/B KF-35GW/A4-12206 KF-26GW/NJ11 KF-35GW/NJ11



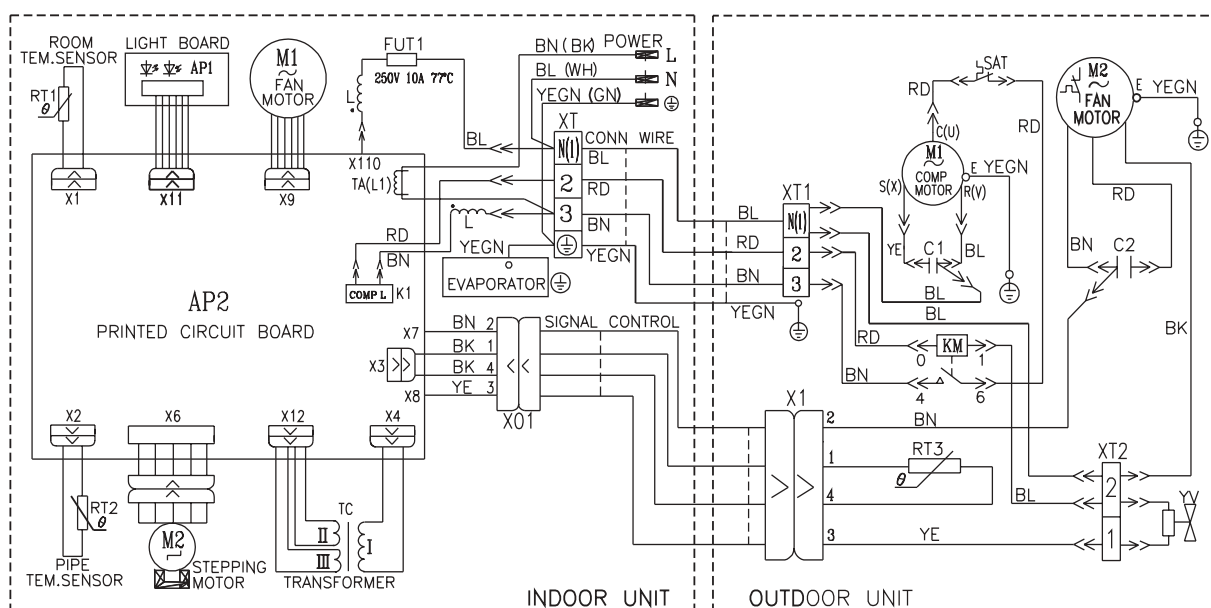
GSW12-22R/B KFR-35GW/J11 KFR-35GW/J11-12405 KFR-26GW/NJ11S1 KFR-35GW/NJ11S1
KFR-35GW/NaJ11 KFR-35GW/NaJ12S1



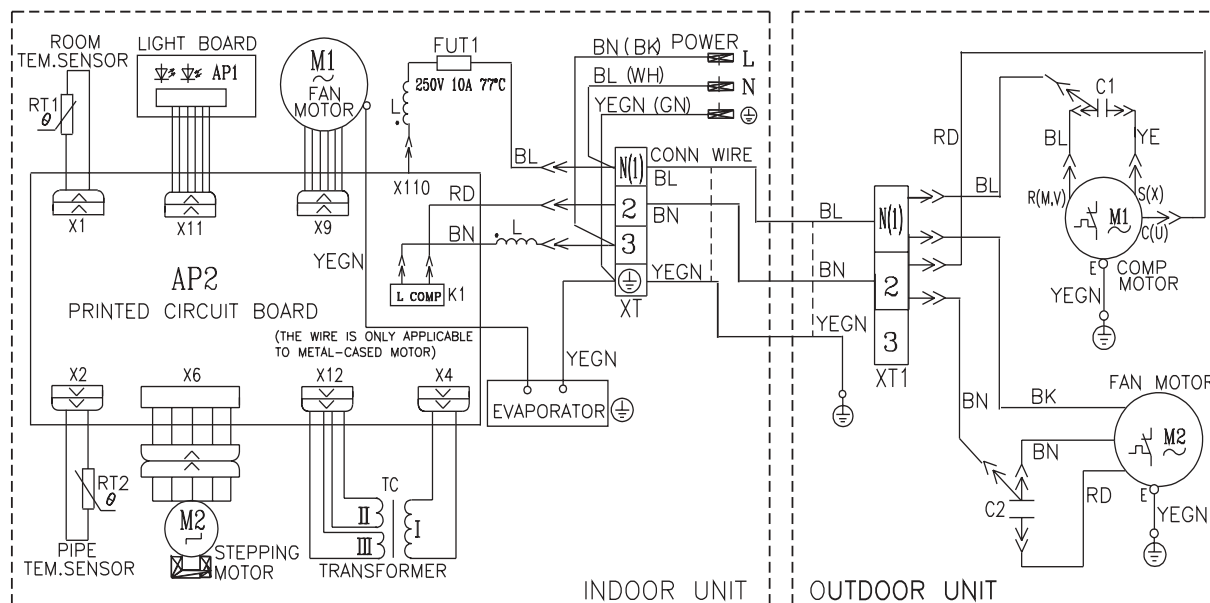
GSW18-22L/B



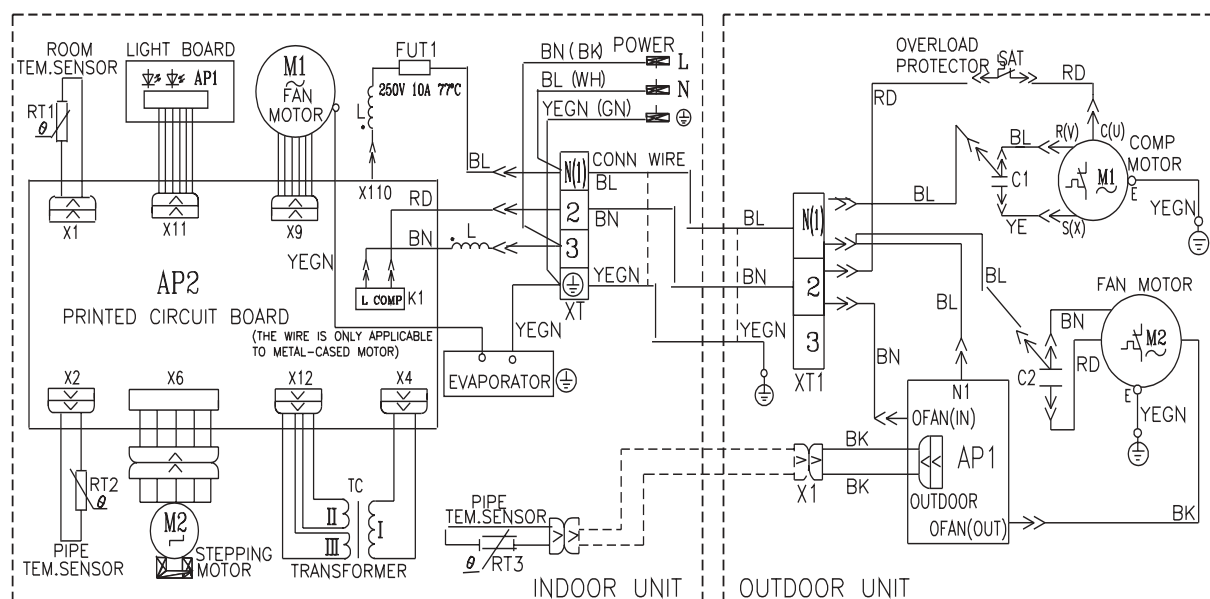
GSW18-22R/B KFR-45GW/NaJ11



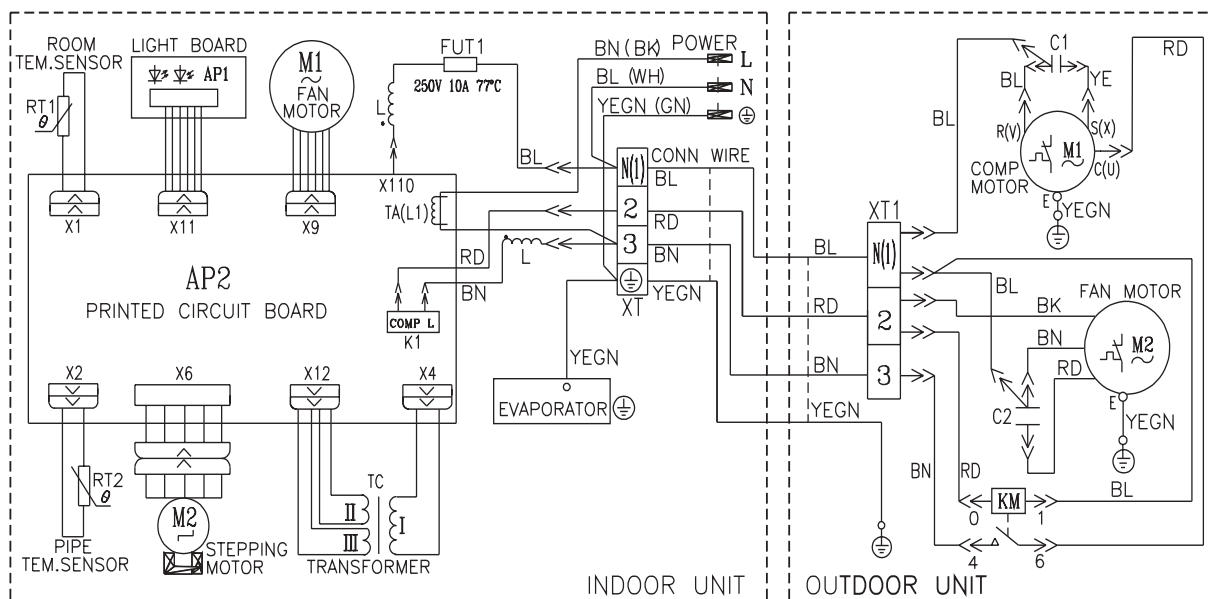
KF-26GW/J11 KF-35GW/J11 KF-35NJ11



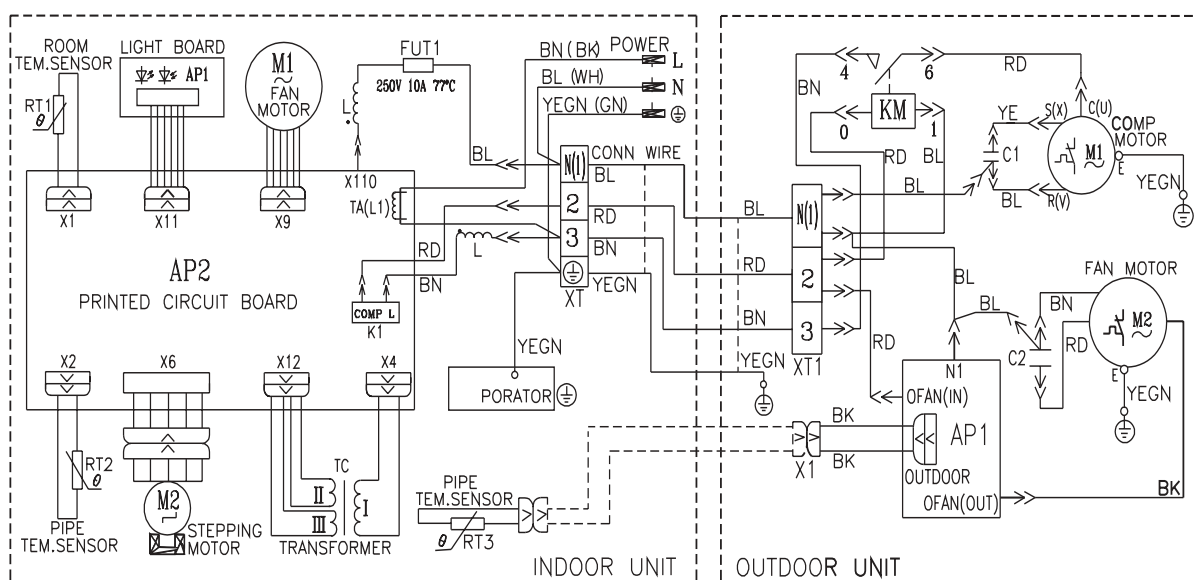
KF-35GW/NJ21



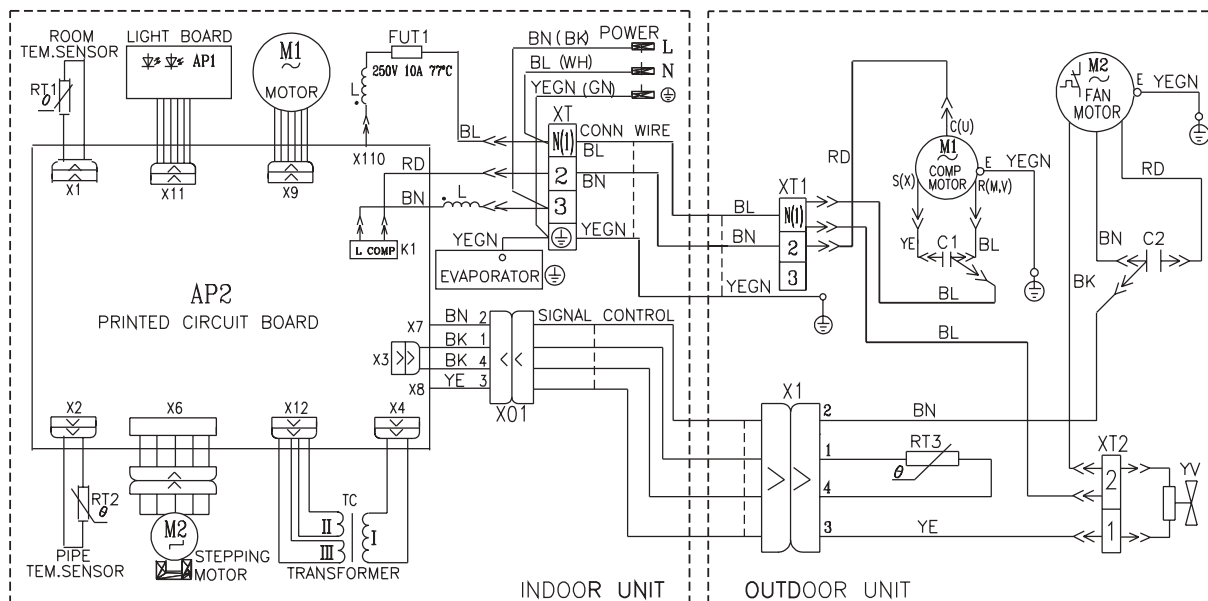
KF-45GW/J11 KF-45GW/NJ11



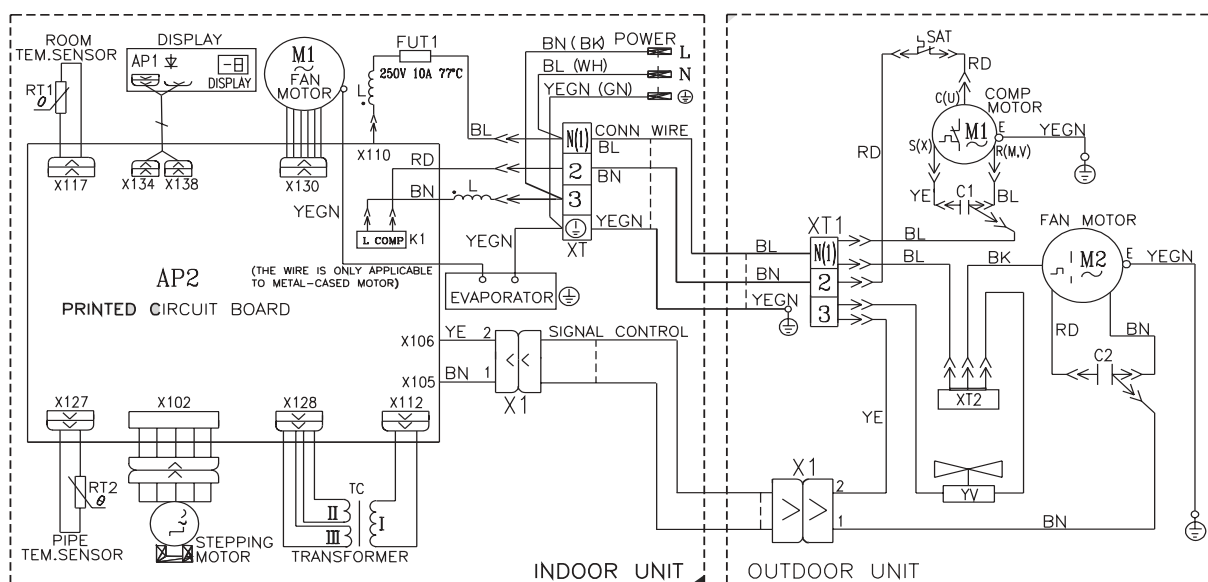
KF-45GW/NJ21



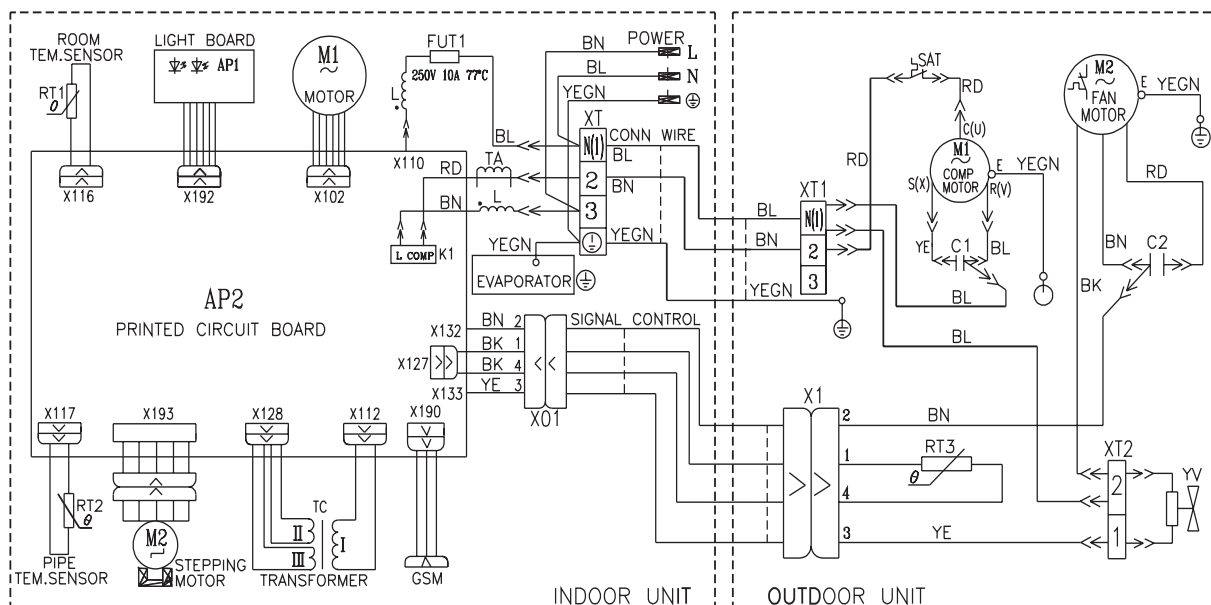
KFR-26GW/J11 KFR-26GW/NJ11 KFR-26GW/NJ11S1 KFR-26GW/J11-12405 KFR-35GW/NJ11S1



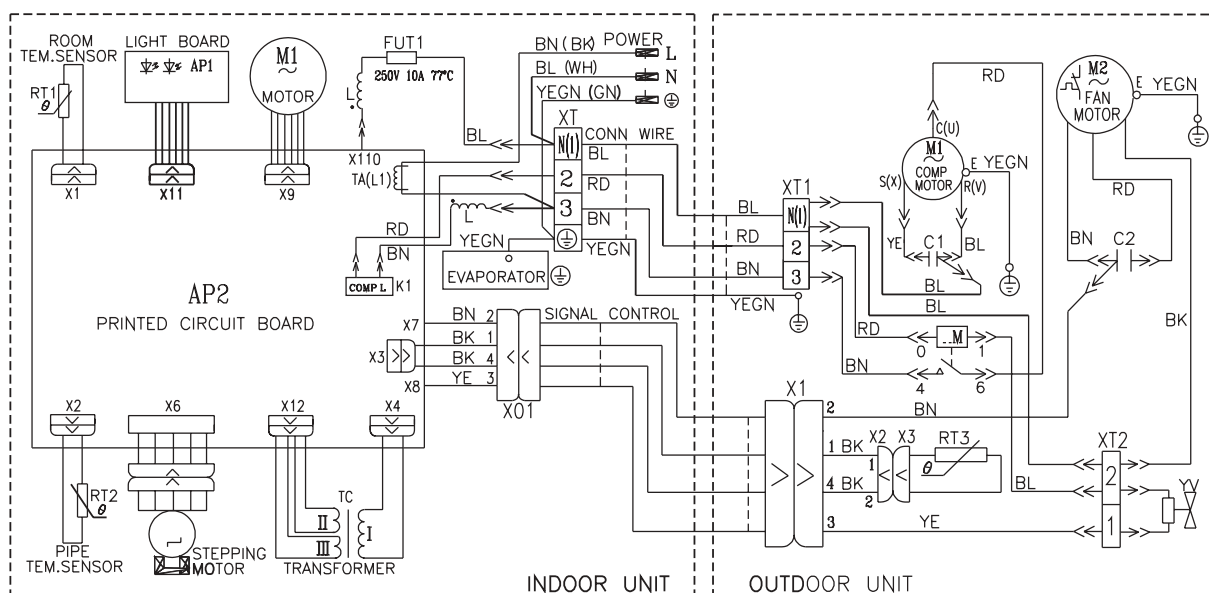
KFR-26GW/NJ11S2 KFR-35GW/NJ11S2



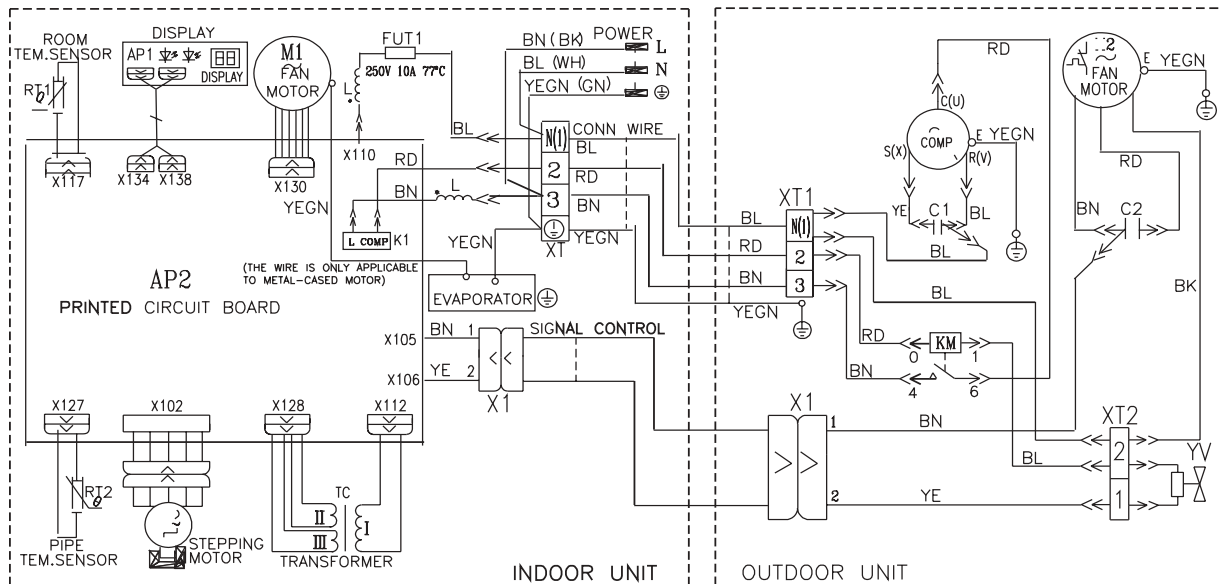
KFR-35GW/NJ11S3 KFR-35GW/NaJ12S2



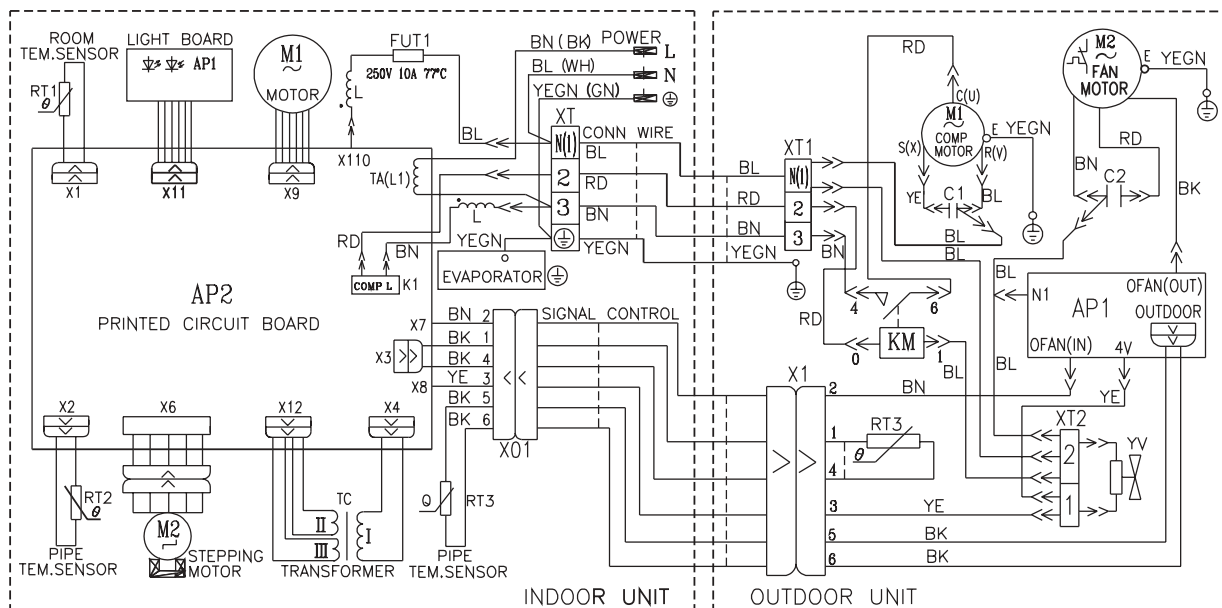
KFR-45GW/J11 KFR-45GW/NJ11S1



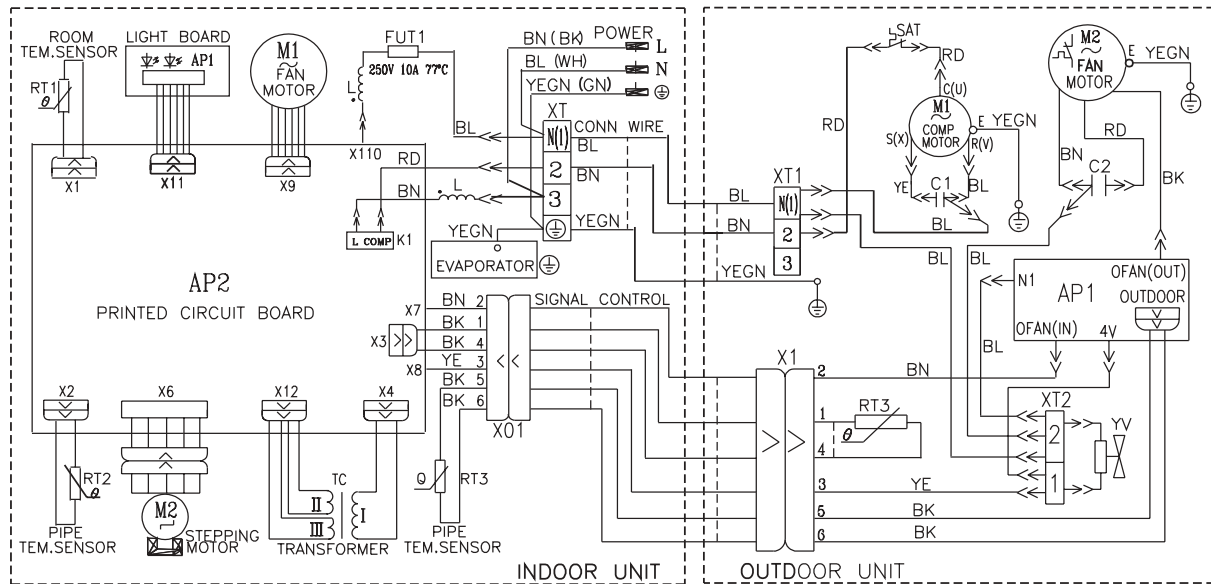
KFR-45/NJ11S2



KFR-45GW/NJ21



KFR-35GW/NJ21



The circuit diagram of above are subject to change without notice, please refer to the ones on the machines.

7 PCB function manual and operation method

7.1 PCB function manual

7.1.1 Temperature parameter

- ◆ The room set temperature: (Tset)
- ◆ The room ambient temperature: (Tamb)
- ◆ The evaporator tube temperature: (Ttube)

7.1.2 Fundamental functions

After power is on, no matter the compressor is in any cases, the time span between the twice startups cannot be less than 3 minutes, when the first power on, there is no 3min. delayed; When the compressor start up, unit will not stop accord with the indoor temp. changes within 5min.

7.1.2.1 COOL mode

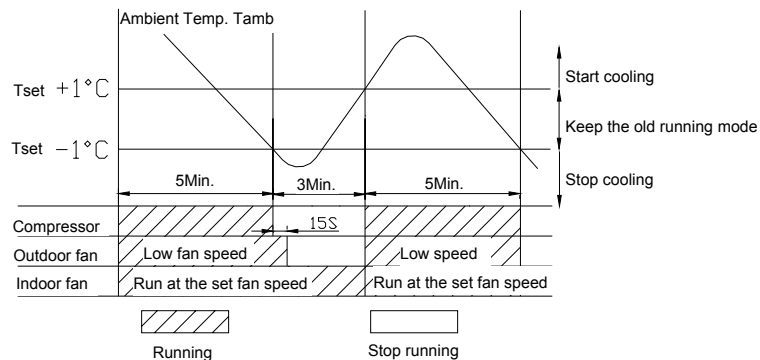
7.1.2.1.1 The working condition and procedures for cooling operation

If $T_{amb} \geq T_{set} + 1^\circ\text{C}$, COOL mode will act, compressor and outdoor fan will run, indoor fan will run at the set speed.

If $T_{amb} \leq T_{set} - 1^\circ\text{C}$, the unit will stop, compressor will stop firstly, outdoor fan will delay 15sec and stop, indoor fan will run in set fan speed.

If $T_{set} - 1^\circ\text{C} < T_{amb} < T_{set} + 1^\circ\text{C}$, the unit will keep running in the old mode.

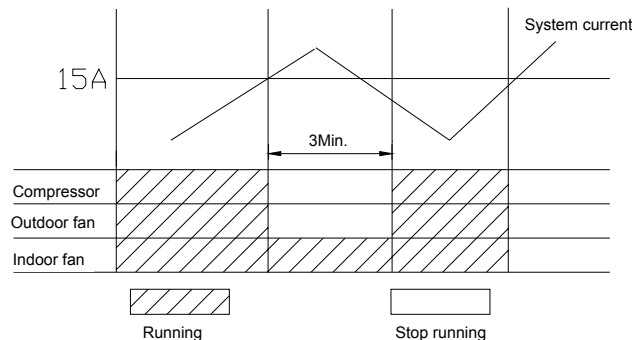
➤ In this mode, the reversal valve will not power on, the setting temp. range: $16 \sim 30^\circ\text{C}$.



7.1.2.1.2 Protection Functions

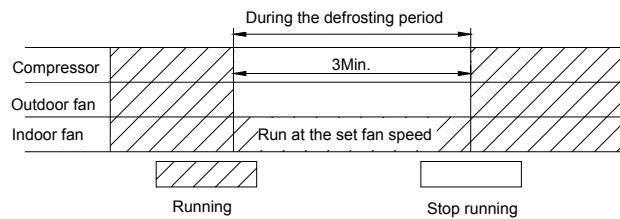
◆ Overcurrent Portection

When the system current is tested higher than 15A, only fan will run. After 3 minutes, the whole unit will run in the old mode, if the overcurrent cannot be eliminated, the whole unit will stop, and can be restarted by the wireless remote control.



◆ Antifreezing Protection

When the system is tested, the compressor and outdoor fan will stop, indoor fan will run at the set speed; when the antifreezing protection is eliminated, and the compressor has stopped for 3min, the unit will return to the old mode.



7.1.2.2 DRY Mode

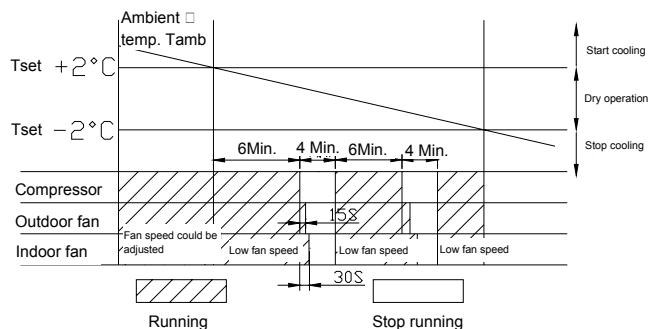
7.1.2.2.1 The working condition and procedures for dry operation

If $T_{amb} > T_{set} + 2$, the cooling mode will act, indoor fan speed could be adjusted, outdoor fan will run.

If $T_{set} - 2 \leq T_{amb} \leq T_{set} + 2$, DRY mode will act, the indoor fan will run at the low speed, after 6min later, the compressor will stop running, after 15 sec, outdoor fan motor will stop running, 30sec later the indoor unit will stop running, 3.5minutes later, compressor, outdoor fan motor will start to run, indoor fan will run in low speed, the procedure of dry mode is shown as above.

If $T_{amb} < T_{set} - 2$, the compressor, outdoor fan and indoor fan will stop running.

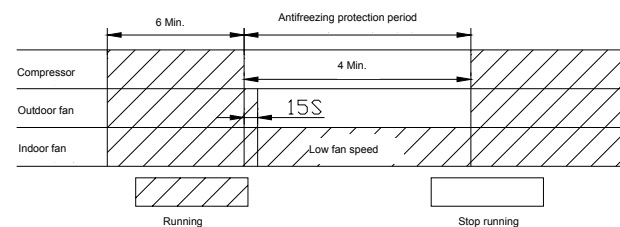
➤ In this mode, the reversal valve will not power on, the setting temp. range: 16 ~ 30.



7.1.2.2.2 Protection Functions

◆ Antifreezing Protection

When running in COOL, DRY modes, antifreezing protection is the same as the cooling. The DRY mode act, after compressor run for 6min. and the antifreezing protection is detected, the compressor will stop, but the outdoor fan will delay 15secs and stop, and indoor fan will run at low speed; when antifreezing protection is eliminated and compressor has stopped for 3min, the whole unit will run at the original status.



7.1.2.3 HEAT Mode

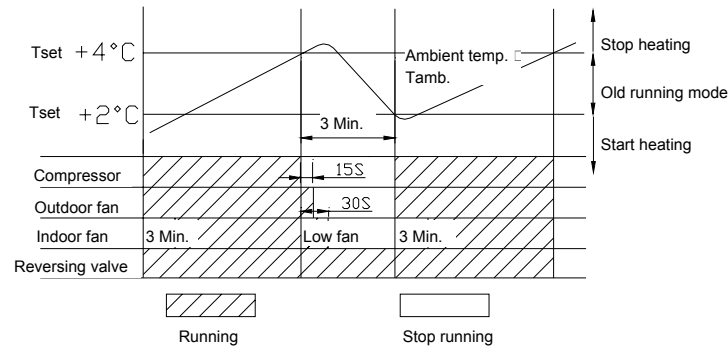
7.1.2.3.1 The working condition and procedures for heat operation

If $T_{amb} \leq T_{set} + 2$, HEAT mode will act, the reversing valve, compressor, outdoor fan will run, but indoor fan will after 3min. delayed and run at the set fan speed.

When $T_{amb} \geq T_{set} + 4$, compressor will stop at first, 15sec. later, outdoor fan will stop to run, the reversing valve is powered on, the indoor fan will run at low fan speed after 60 sec. and stop running.

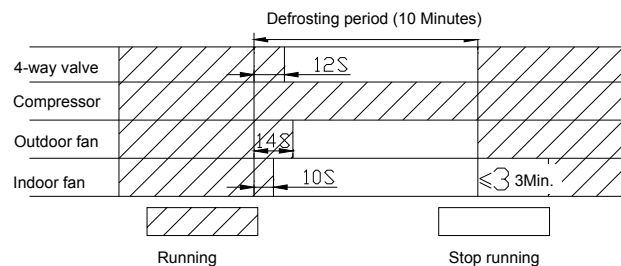
When $T_{set} + 2 < T_{amb} < T_{set} + 4$, will keep the old running.

➤ In this mode, the setting temp. range is 16 ~ 30.



7. 1. 2. 3. 2 The working condition and procedures for defrosting

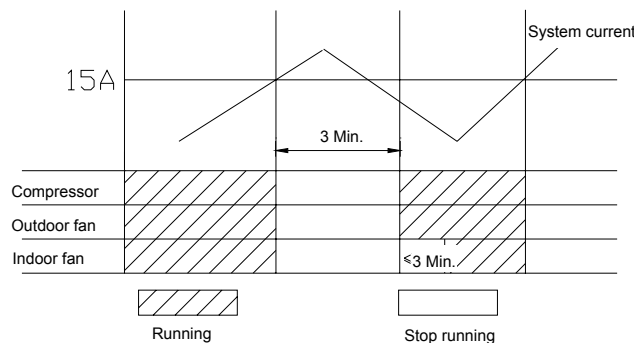
When detecting there is the frost on the condenser, system enter into defrosting state, 10 sec. later, indoor fan will stop, reversing valve will delay 2sec and stop, outdoor fan delay another 2 sec will stop, when the defrosting has finished or defrosting running for 10 min., the outdoor fan and reversing valve are powered on, after 3min. delay indoor fan will run at the set fan speed.



7. 1. 2. 3. 3 Protection function

◆ Overcurrent protection

When the system current has been tested higher than 15A, the compressor, indoor fan and outdoor fan will stop running; 3minutes later, malfunction has been eliminated, whole unit runs at the old mode, indoor fan after 3min. delayed will run in set fan speed.



◆ Anti-high temp.

In HEAT mode, when detecting Ttube is very high, outdoor fan will stop running; when detecting Ttube is normal, outdoor fan will return to run.

◆ Noise cancellation protection

When using "Run/ Stop" to turn off the unit, the reversing valve will delay 2min. to stop.

7. 1. 2. 4 AUTO mode

According to the ambient temperature to select COOL or HEAT mode automatically. The protection function as HEAT/COOL mode

7. 1. 3 Other control

7. 1. 3. 1 Buzzer

When PCB is power on or receives the signal from the wireless remote control, the buzzer will sound.

7. 1. 3. 2 Run indicator

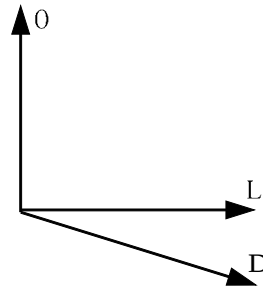
Run indicator, it will flash when defrosting.

7. 1. 3. 3 Auto Button

When pressing this button, unit will run in AUTO mode, when repressing it, the unit will be turned off. If there is the remote control signal, it will run in the remote control signal.

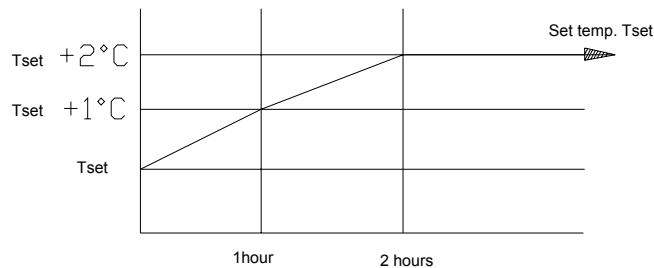
7. 1. 3. 4 Swing motor

When it is powered on, the swing motor turns to position O, to turn off the air outlet vent; when the unit is turned on, turns to position D, then returns to position L; in swing state, the louver swings between position L and D. When the unit is turned off, it will return to position O.

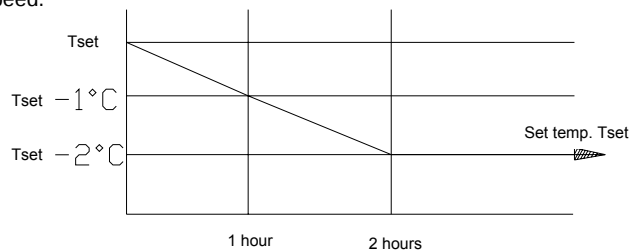


7. 1. 3. 5 Sleep function

In COOL or DRY mode, when the set sleeping has run for 1 hour, T_{set} will rise 1°C ; 2 hours later, T_{set} will rise 2°C . Indoor fan will run at low speed.



In HEAT mode, when the set sleeping has run for 1 hour, T_{set} will decrease 1°C ; 2 hours later, T_{set} will decrease 2°C , indoor fan will run at a low speed.



7. 1. 3. 6 Auto FAN

In this mode, according to ambient temperature, indoor fan will select High, Middle, Low fan speed.

7. 1. 3. 7 Timing Function

7. 1. 3. 7. 1 Timer on

When the unit is stopping, can set the time of timer on, every pressing of this button, the time of timer on will be increased 0.5 hour, the setting range is in 0.5 to 24 hours.

7. 1. 3. 7. 2 Timer off

When the unit is running, can set the time of timer off, every pressing of this button, the time of timer off will be increased 0.5 hour, the setting range is in 0.5 to 24 hours.

7. 1. 3. 8 Auto Fan control

7.2 Name and function of every button on wireless remote control

Note:

- ◆ Be sure that there are no obstructions between the control and receive window.
- ◆ Don't drop or throw the control.
- ◆ Don't flow any liquid into it or place it under direct sun burn or where there is extremely hot.

SWING button

When pressing this button, the guide louver starts swing, when repressed the button, it will stop.

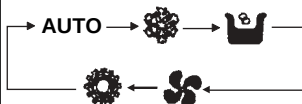
TEMP. button

Every press of $+^{\circ}\text{C}$, the setting temp. will be increased 1, while pressing $-^{\circ}\text{C}$ once, the setting temp. will be decreased.

In 、、、 modes the temp. could be adjusted in 16-30.

MODE button

To press the button, the running mode will be changed as follow:



(Note: there is no  mode in cooling only unit.)

FAN button

When pressing this button, the fan speed will be changed as follow:

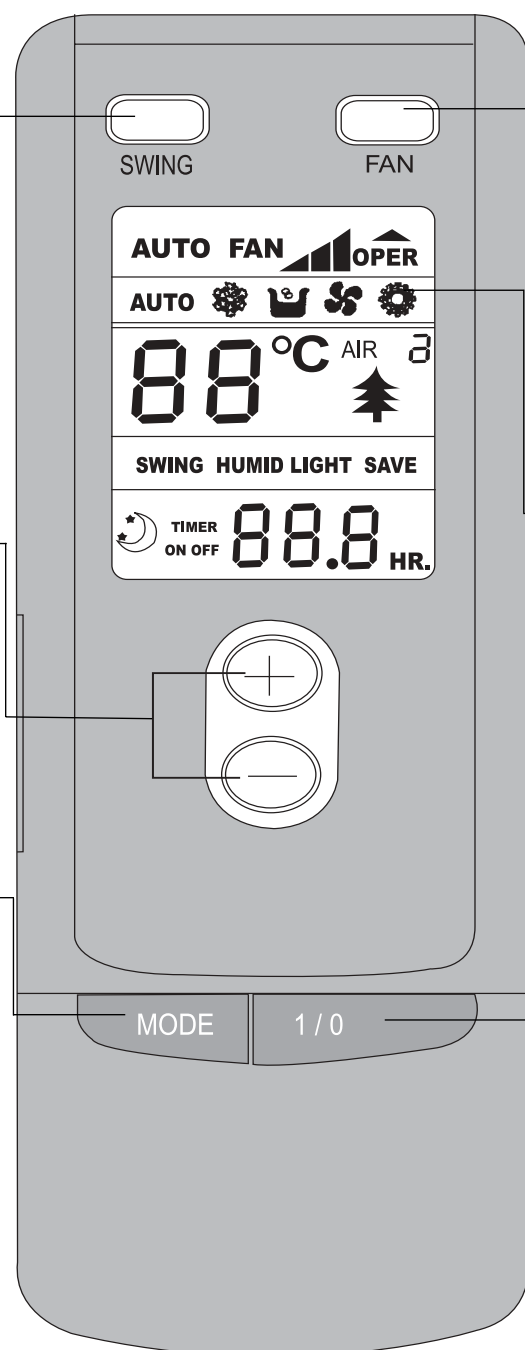


NOTE: Fan speed can not be changed when in  mode.

- “” COOL mode.
- “” DRY mode.
- “” FAN mode.
- “” HEAT mode.

1/0 button

Press this button, the unit start to run, when repressed, the unit will stop running.

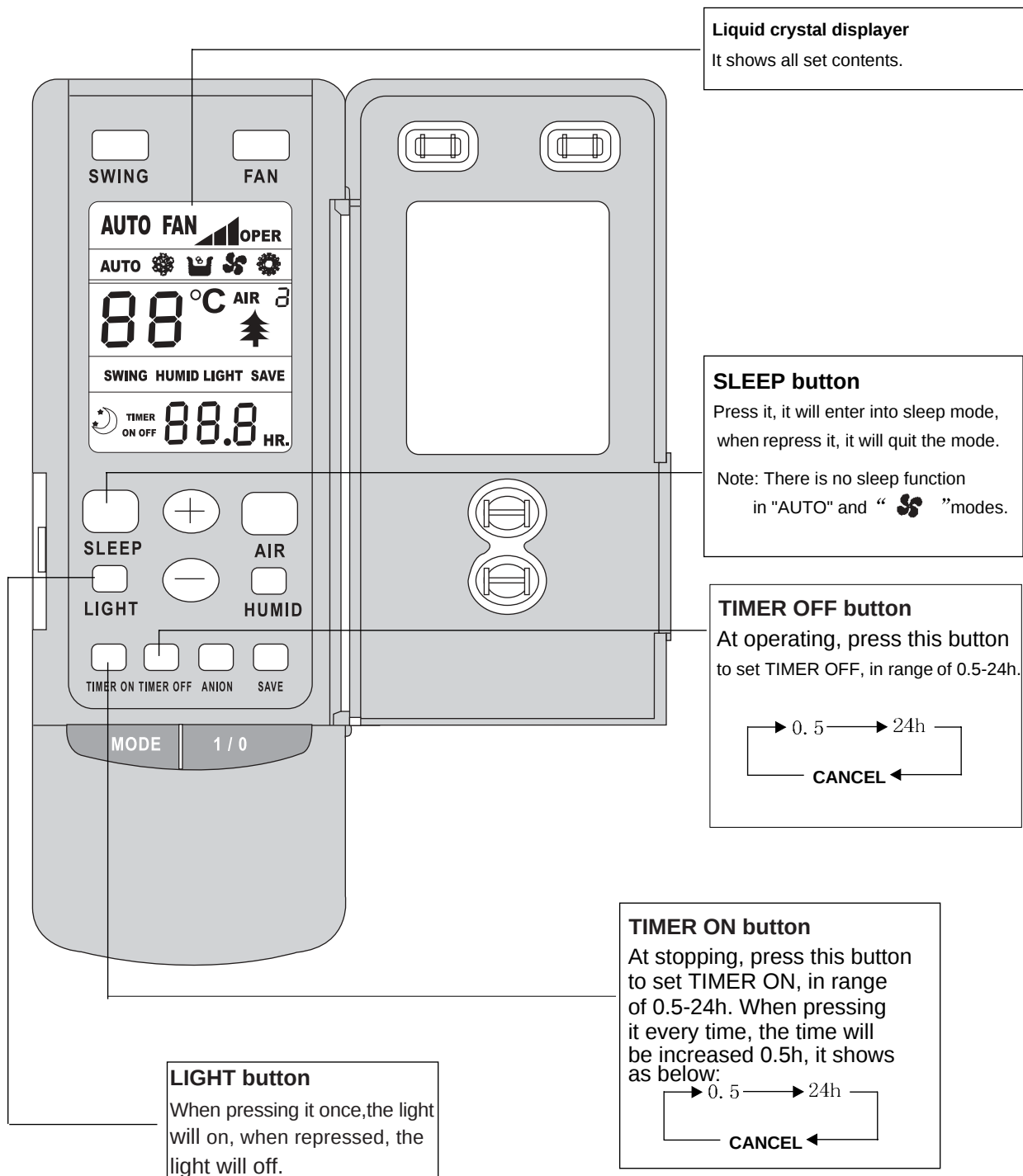


7. 3 Name and function of every button on wireless remote control (Remove the cover)

Note:

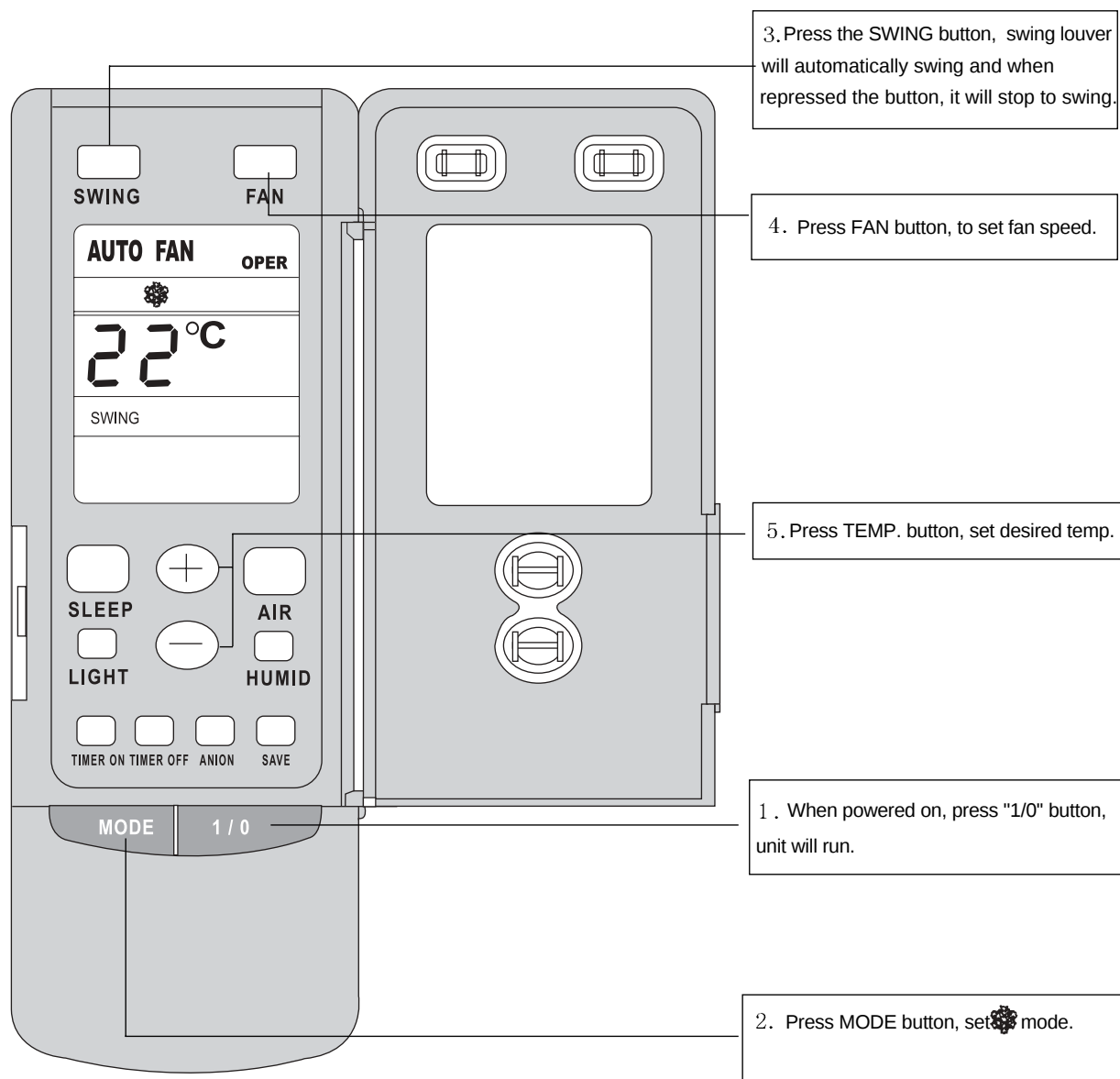
This kind of wireless remote control is the general one that is suitable for several models(function).

Please understand that we won't introduce the buttons that are not available to this unit.



7. 4 COOL mode operation

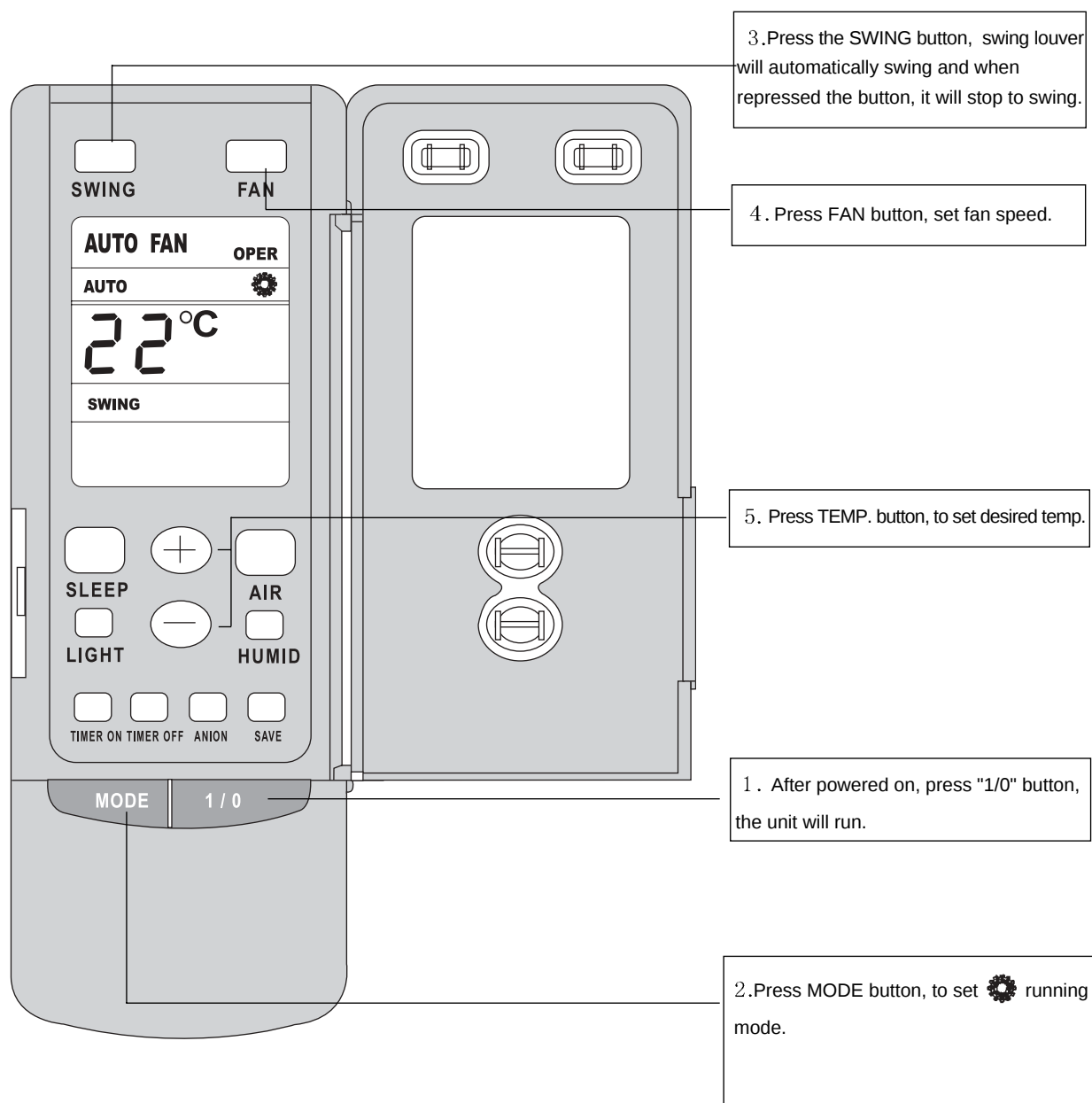
- ◆ According to indoor temp. and setting temp., microcomputer of wireless remote control could automatically judge to start running or not,
- ◆ If indoor temp. is higher than setting temp., compressor will run, unit will run in COOL mode.
- ◆ If indoor temp. is lower than setting temp., compressor and outdoor unit will top run, indoor fan motor runs at set speed.
- ◆ Temp. setting range is 16-30 .



7. 5 HEAT mode operation

If indoor temp. is higher than setting temp., compressor and outdoor unit will top run, indoor fan motor runs at

- ◆ If indoor temp. is lower than setting temp., compressor will run, unit will run in HEAT mode.
- ◆ If indoor temp. is higher than setting temp., compressor and outdoor unit will top running, indoor fan motor runs at set speed, 1minute later, indoor fan motor will stop running.
- ◆ Temp. setting range is 16-30 .

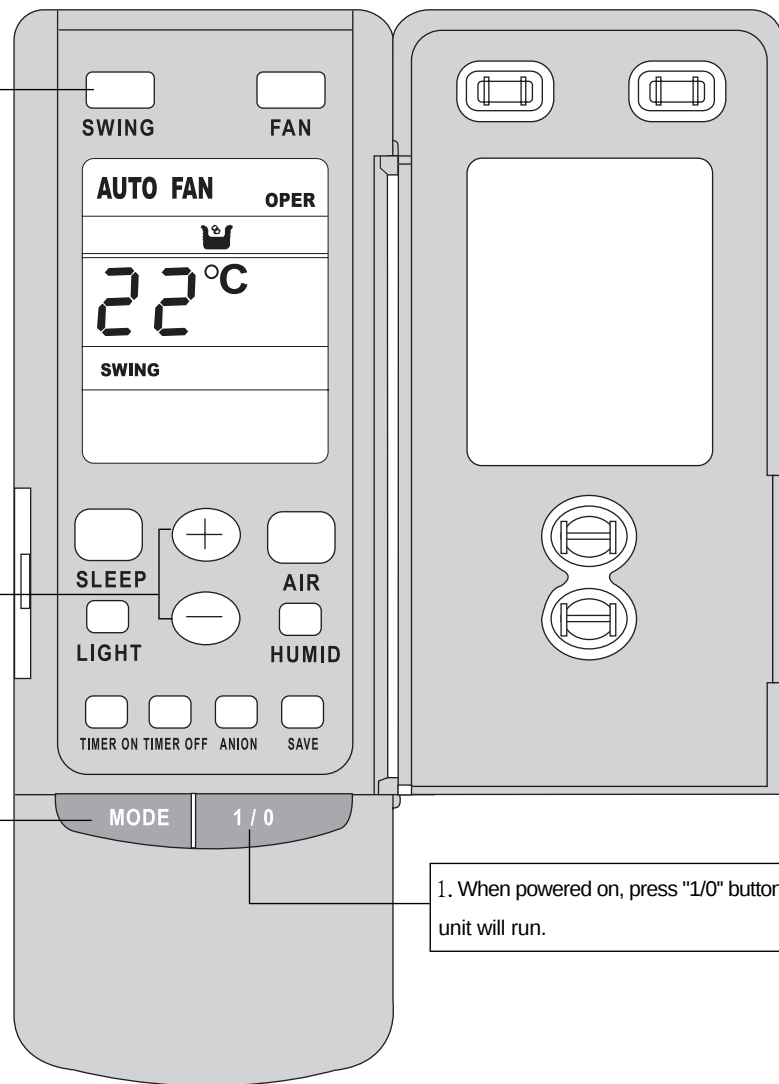


7. 6 DRY mode operation

3. When pressing this button, the guide louver starts swing, when repressed the button, it will stop.

4. Press TEMP. button, set desired temp.

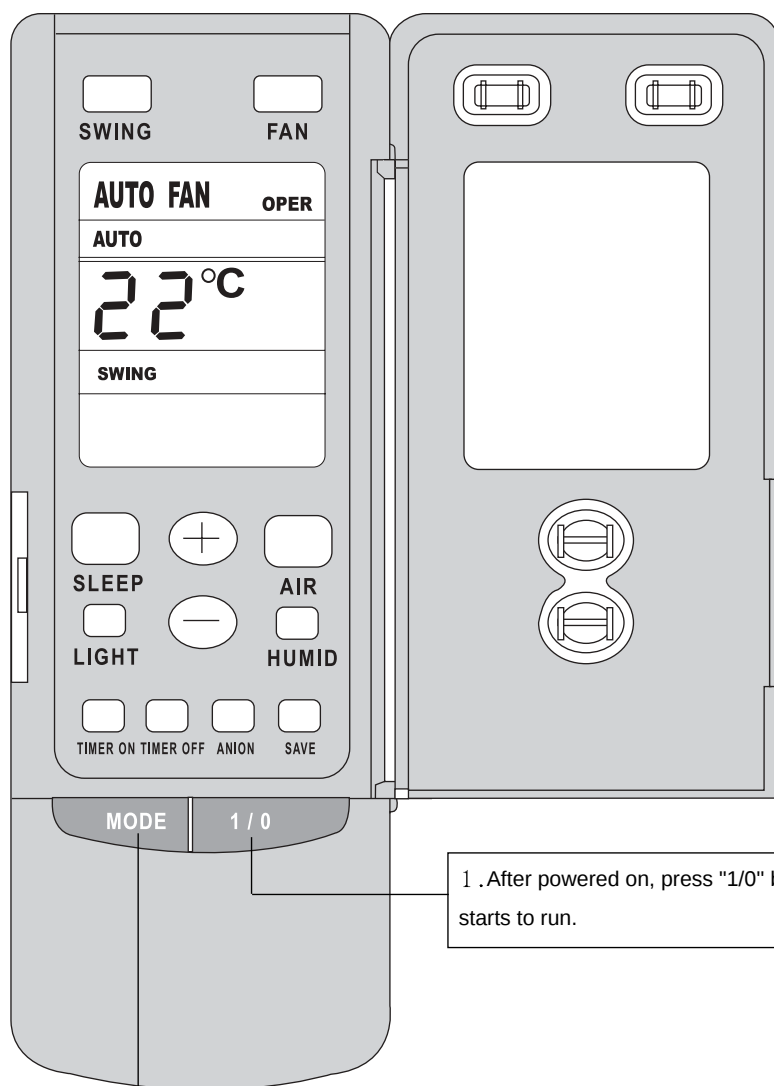
2. Press MODE button
To set “” running mode, in “” mode, fan speed is stable.



1. When powered on, press "1/0" button, unit will run.

7.7 AUTO RUN operation mode

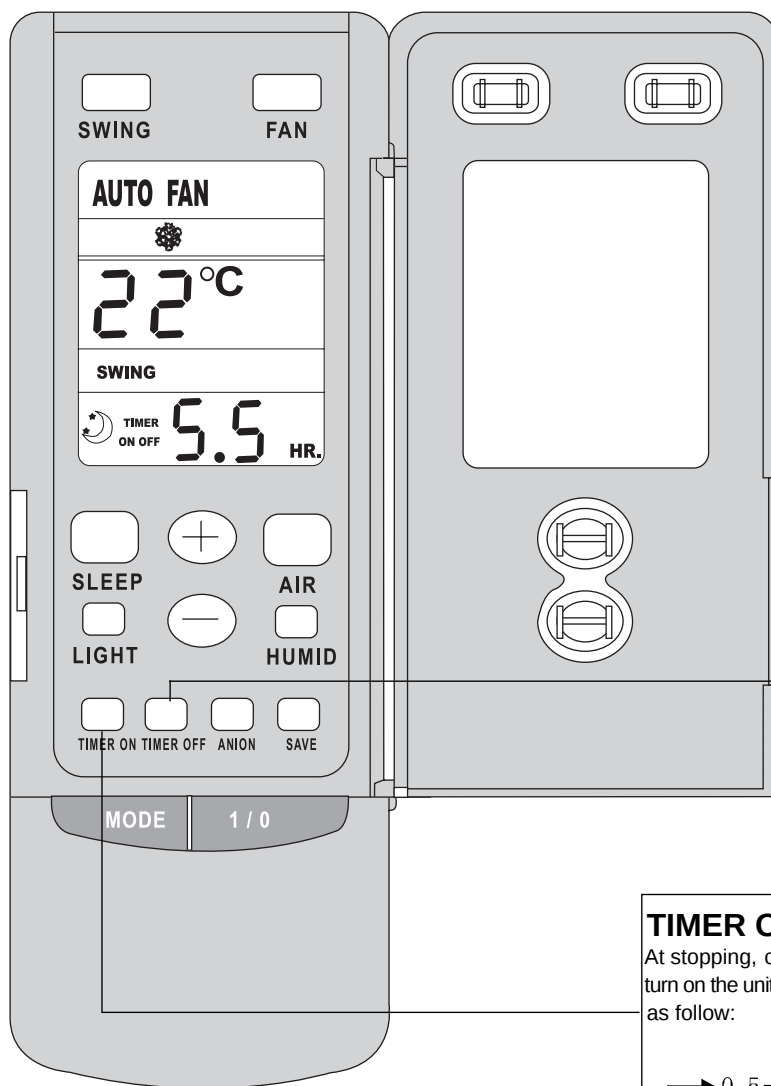
◆ In AUTO mode, the standard setting temp. of COOL mode is 25 , the standard setting temp. of HEAT mode is 20 .



1 .After powered on, press "1/0" button, the unit starts to run.

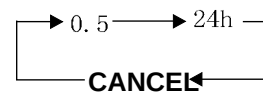
2. Press MODE button, to set running mode, according to the room temp. microcomputer will control unit running in , ,  modes to achieve the best effect.

7.8 TIMER operation mode



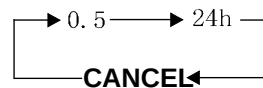
TIMER OFF button

At running, can set the timer off to turn off the unit in 0.5-24h, it shows as follow:



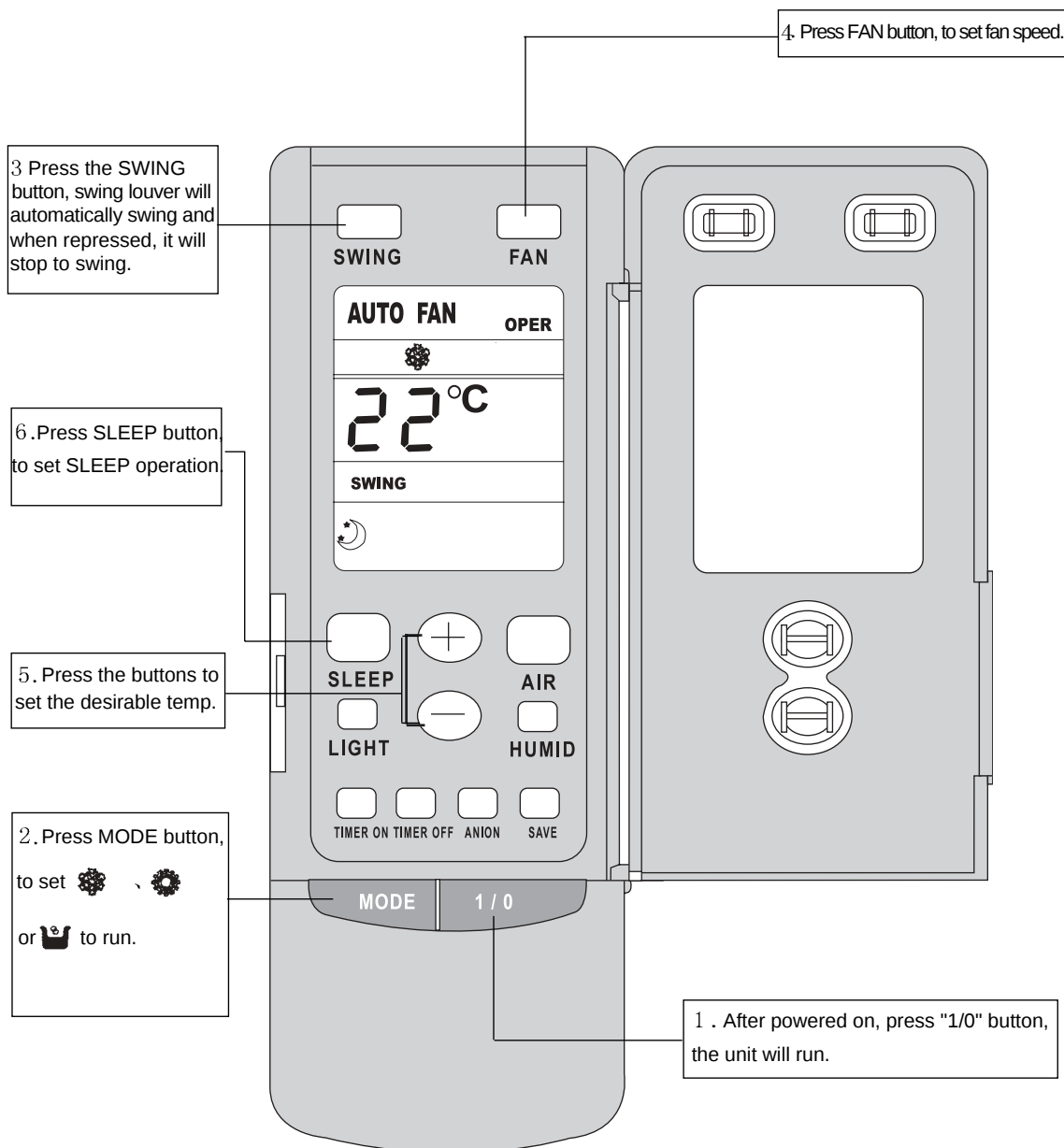
TIMER ON button

At stopping, can set the timer on to turn on the unit in 0.5-24h, it shows as follow:



7.9 SLEEP mode operation

- ◆ In COOL and DRY mode, if unit is running in SLEEP mode, the set temp. will be increased 1 in 1 hour, and increased 2 in 2 hours.
- ◆ In HEAT mode, if unit is running in SLEEP mode, the set temp. will be decreased 1 in 1 hour, and will be decreased 2 in 2 hours.



7. 10 Replacing the batteries for the wireless remote control

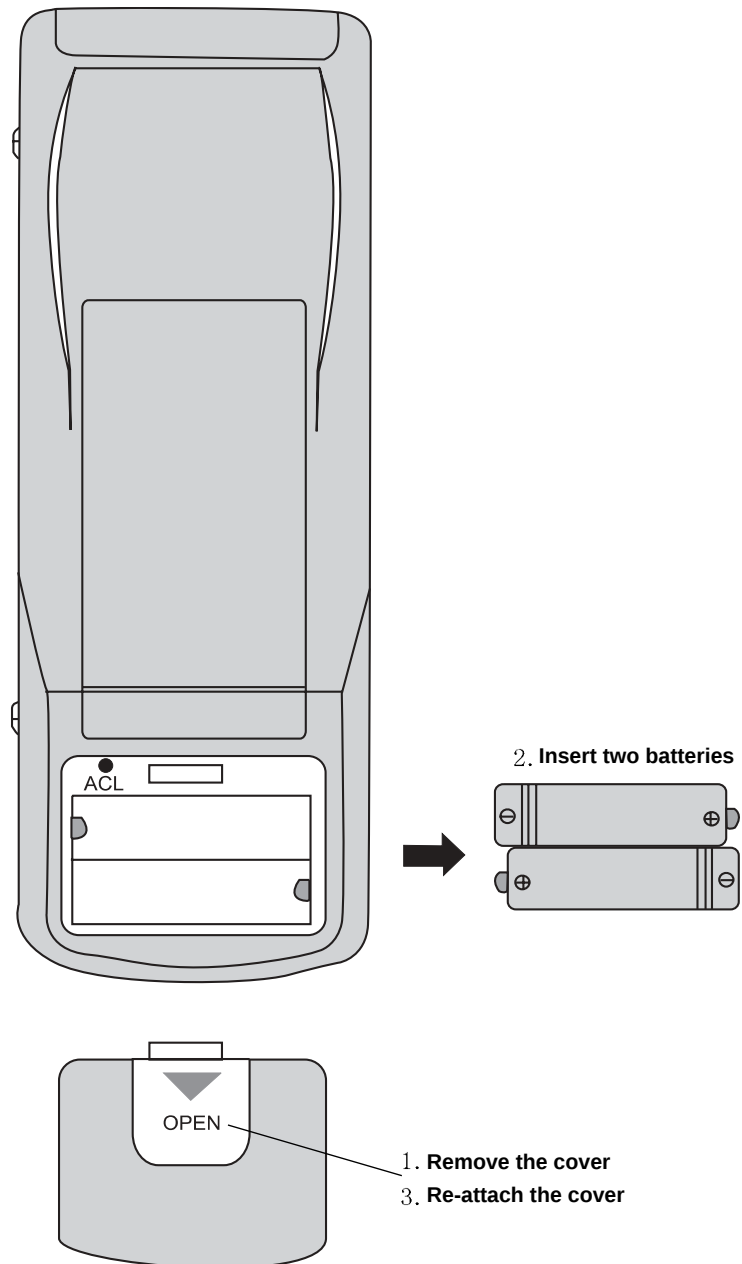
1. Slide the back cover of the wireless remote control, take out the old batteries.
2. Insert two new batteries.(pay attention to the polarity)
3. Re-attach the cover.

NOTE:

Don't mix new and used or different types of two batteries to insert.

Remove batteries away when wireless remote control is not in use.

The wireless remote control should be placed about 1m or more away from the TV or any other electric appliances.



8

Dissassembly Procedures

8.1 Disassembly procedures for indoor unit

Operation procedures/pictures

8.1.1 ||||| Disassemble the front panel

Raise up the front panel, take out the front panel. (As shown in Fig.8-1)

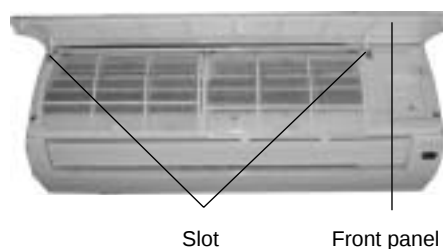


Fig. 8-1

8.1.2 ||||| Remove filter and wire-pressed clamp

To remove the filter, and screw off 1pc bolt which fixed the wire-pressed clamp to disassemble the wire-pressed clamp. (As shown in Fig.8-2)

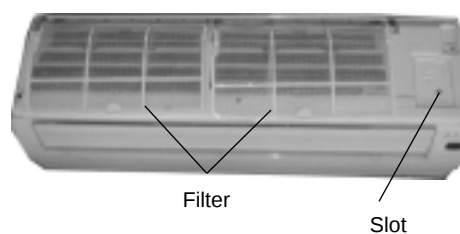


Fig. 8-2

8.1.3 ||||| Disassemble the guide louver

Disassemble the big guide louver and small guide louver. (As shown in Fig. 8-3)

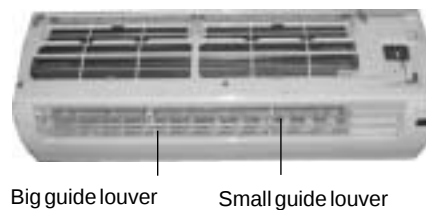


Fig. 8-3

Operation procedures/pictures

8. 1. 4 ||||| Disassemble the front case

To loose the clasp (As shown in Fig.8-4)

To remove the screw cap, to loose 3pcs screw, raise it up, disassemble the front case. (As shown in Fig.8-5)

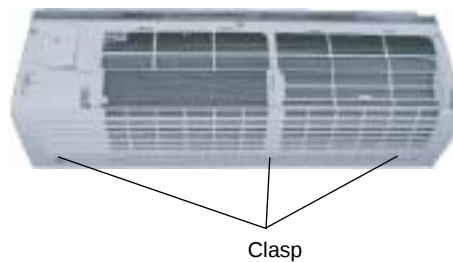


Fig. 8-4

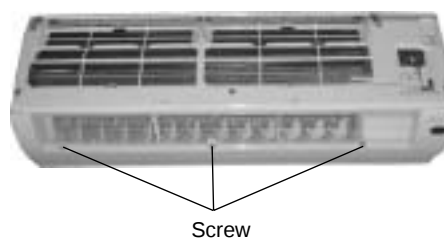


Fig. 8-5

8. 1. 5 ||||| Remove the electric box cover

To loose the clasp which fix the electric box, to remove the electric box cover. (As shown in Fig. 8-6)

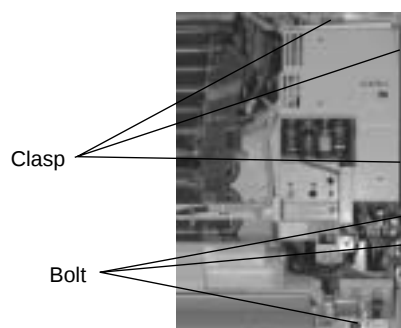


Fig. 8-6

8. 1. 6 ||||| Remove the water tray sub-assy

To pull out the terminal of the stepping motor, screw off the bolt to remove the water tray sub-assy. Because of the water drainage pipe, please be careful. (As shown in Fig.8-7)

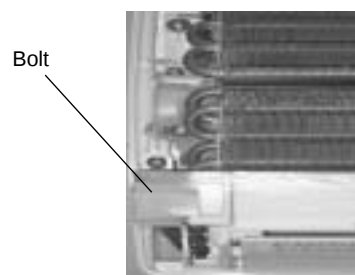


Fig. 8-7

Operation procedures/pictures

8.1.7 ||||| Disassemble the electric box

Untie the bunch of wire, to loosen the screws on electric box indicator seat, to loosen the earth screw, take out the sensor. (As shown in Fig.8-8)

Pull out each terminal, take out the control board. (As shown in Fig.8-9)

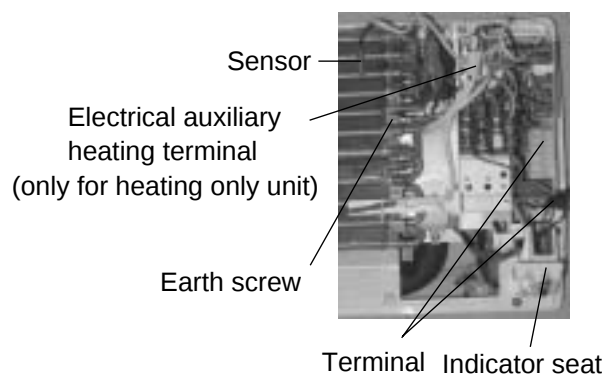


Fig.8-8



Fig. 8-9

8.1.8 ||||| Disassemble the evaporator

Remove the pipe clamp behind of the rear case. To screw off the bolt of the rear clamp. Then press the clasp forcibly, to pull out the rear clamp. (As shown in Fig. 8-10) to screw off two pcs on the left and right side of the evaporator. To press the left nether end of the evaporator, then press it backward, to remove the evaporator side plate clasp from the slot. (As shown in Fig.8-11)

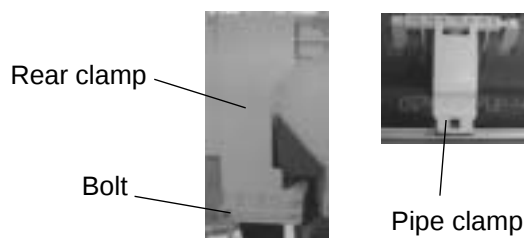


Fig. 8-10

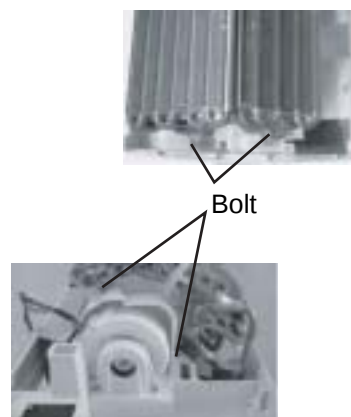


Fig. 8-11

Be carefully to take out the evaporator, please take care of the connection pipe.

Operation procedures/pictures

8.1.9 Remove the motor

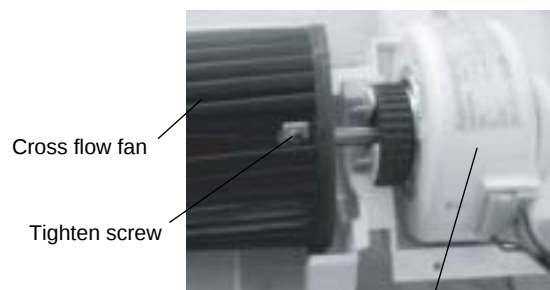
Loosen the bolt which fixed the motor clamp, take out the motor clamp. (As shown in Fig. 8-12)

To loose a fixed bolt which is on the right bearing of cross flow fan, lift up the motor appreciably, then take out the motor. (As shown in Fig.8-13)



Bolt

Fig. 8-12



Motor
Fig. 8-13

8.1.10 Remove the cross flow fan

Loosen one piece of bolt which fixed the cross flow fan, then can take out the cross flow fan. (As shown in Fig. 8-14)

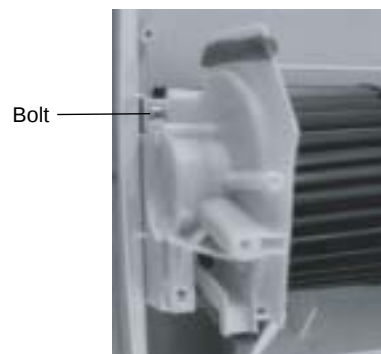


Fig. 8-14

8. 2 The disassembly procedures for the indoor unit with displayer

Operation procedures/pictures

8. 2. 1 ||||| Remove the front panel

Raise up the front panel, take out the front panel.
(As shown in Fig.8-15)



Fig. 8-15

8. 2. 2 ||||| Remove the filter and wire-pressed clamp

Disassemble filter, screw off one bolt which fixed the wire-pressed clamp, then take off the wire-pressed clamp. (As shown in Fig.8-16)

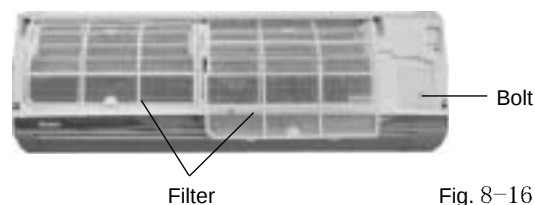


Fig. 8-16

8. 2. 3 ||||| Disassemble the guide louver

Disassemble the big guide louver and small guide louver. (As shown in Fig.8-17)

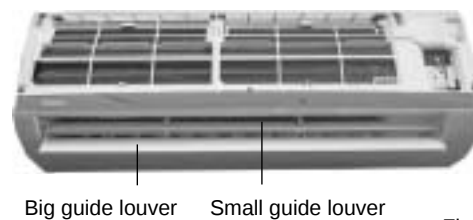
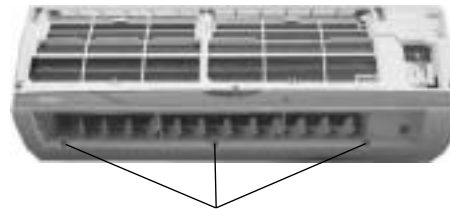


Fig. 8-17

Operation procedures/pictures

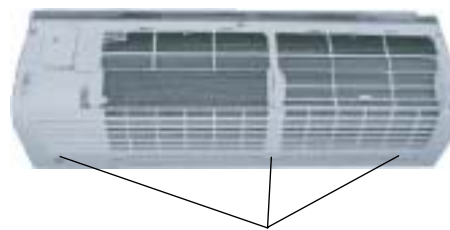
8. 2. 4 ||||| Disassemble the front case

Loosen the clasp, (As shown in Fig.8-18)
Remove the screw cap, loosen 3pcs bolt, then lift it up,
disassemble the front case. (As shown in Fig.8-19)



Bolt

Fig. 8-19



Clasp

Fig. 8-18

8. 2. 5 ||||| Remove the electric box cover

To loosen the clasp which fixed the electric box, disassemble
the electric box cover plate. (As shown in Fig.8-20)

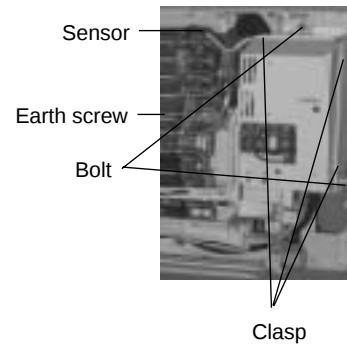


Fig. 8-20

8. 2. 6 ||||| Remove the water tray sub-assy

Remove the stepping motor, terminal of the displaying
board, screw off the bolt take off the water tray. Because
of the water drainage pipe, please be careful. (As shown
in Fig.8-21)

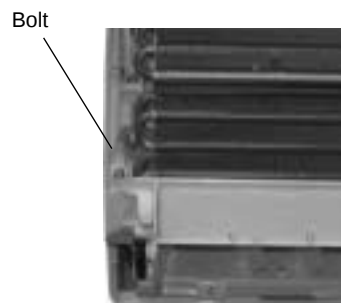


Fig. 8-21

Operation procedures/pictures

8. 2. 7 ||||| Disassemble the electric box

Untie a bunch of wire, to loosen 2pcs screw which fixed the electric box, to loosen earth screw, take out the sensor. (As shown in Fig.8-20)

Pull out each terminal. (As shown in Fig. 8-22)

Loosen two wire clamp behind the electric box, take out the control board, (As shown in Fig.8-23)

Electrical auxiliary heating terminal
(only for heating only unit)

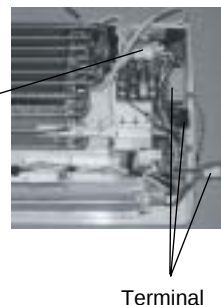


Fig. 8-22

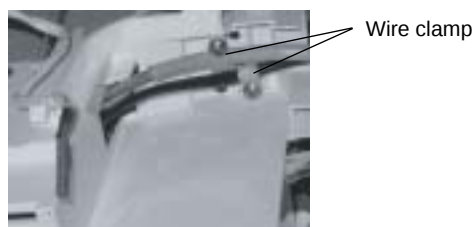


Fig. 8-23

8. 2. 11 ||||| Disassemble the evaporator

Remove the pipe clamp behind of the rear case. To screw off the bolt of the rear clamp. Then press the clasp forcibly, to pull out the rear clamp. (As shown in Fig. 8-24) to screw off two pcs on the left and right side of the evaporator. To press the left nether end of the evaporator, then press it backward, to remove the evaporator side plate clasp from the slot. (As shown in Fig.8-25)

Be carefully to take out the evaporator, please take care of the connection pipe.

Rear clamp

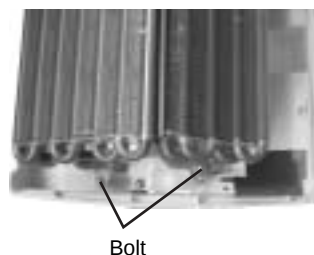


Bolt



Pipe clamp

Fig. 8-24



Bolt



Fig. 8-25

Operation procedures/pictures

8. 2. 11 ||||| Remove the motor

Loosen the bolt which fixed the motor clamp, take out the motor clamp. (As shown in Fig.8-26)

To loose a fixed bolt which is on the right bearing of cross flow fan, lift up the motor appreciably, then take out the motor. (As shown in Fig. 8-27)

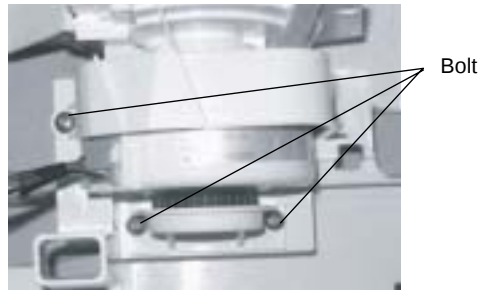


Fig. 8-26

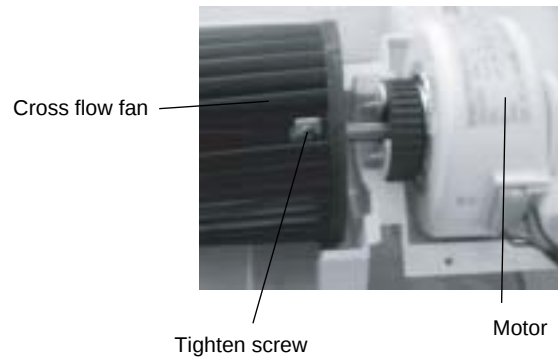


Fig. 8-27

8. 2. 10 ||||| Remove the cross flow fan

Loosen one piece of bolt which fixed the cross flow fan, then can take out the cross flow fan. (As shown in Fig. 8-14)

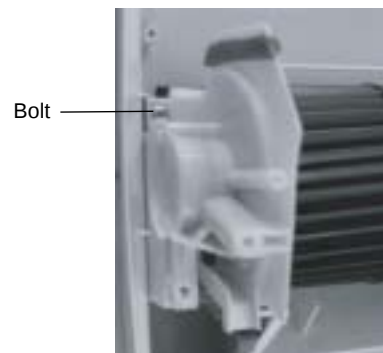


Fig. 8-28

8.3 Disassembly procedures for outdoor unit

Operation procedures/pictures

8.3.1 ||||| Disassemble the big handle

To screw off the tapping screw which fixed the big handle, could take out the big handle. (As shown in Fig. 8-29)

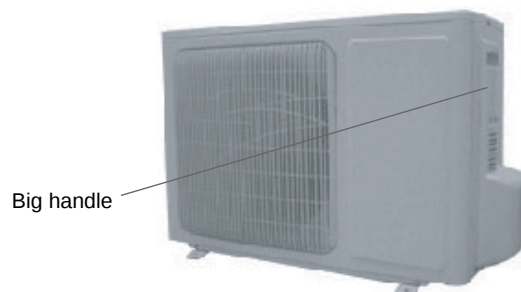


Fig. 8 — 29

8.3.2 ||||| Disassemble the top cover plate

To screw off 3pcs tapping screw which around the top cover, then lift it up, can take down the top cover. (As shown in Fig. 8-30)

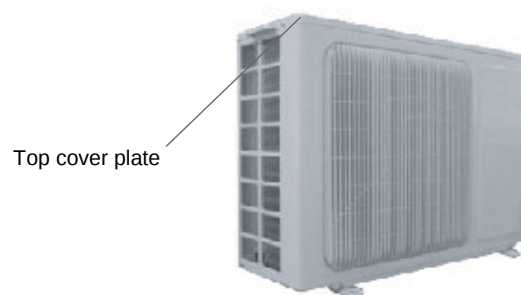


Fig. 8 — 30

8.3.3 ||||| Disassemble the rear grill

To screw off 4pcs tapping screw of the rear grill, can take off the rear grill. (As shown in Fig.8-31)

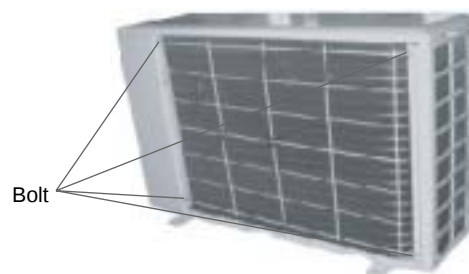


Fig. 8 — 31

Operation procedures/pictures

8. 4. 4 ||||| Disassemble the front panel sub-assy

To screw off 5pcs tapping screws which come from the front panel, valve support, chassis and side plate of the condenser, then can take out the front panel sub-assy. (As shown in Fig. 8-32)

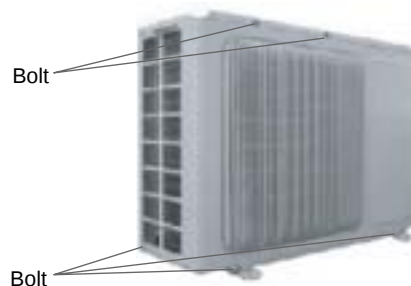


Fig. 8 — 32

8. 4. 5 ||||| Remove the electric appliance mounting board

To screw off 1pc bolt which fixed the electric appliance mounting board, take out the leading wire insert from the compressor and fan motor, take out the electric appliance mounting board. (As shown in Fig.8-33)



Fig. 8 — 33

8. 4. 6 ||||| Disassemble the right side plate

To screw off 7pcs bolt of the rear side plate, then can disassemble the right side plate. (As shown in Fig. 8-34)

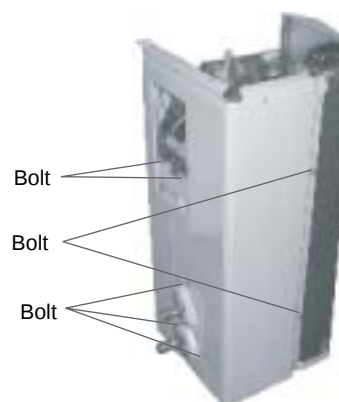


Fig. 8 — 34

Operation procedures/pictures

8. 4. 7 ||||| Remove the axial flow fan

To loosen tighten nut with spanner (leverotation), take off the nut, spring washer, flat washer, and take out the axial flow fan forcibly.
(As shown in Fig.8-35)

Tighten nut
Axial flow fan

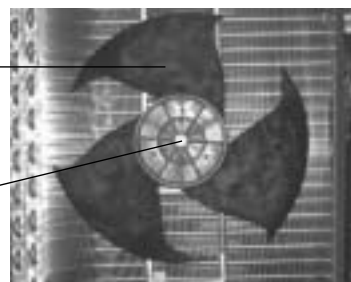


Fig. 8 — 35

8. 4. 7 ||||| Remove the motor, motor support

To screw off 4pcs tapping screw which fixed the motor, take out the motor. And screw off 2pcs tapping screw which fixed the motor support, lift it up, take out the motor support. (As shown in Fig.8-36)

Motor support
Tapping screw
Motor

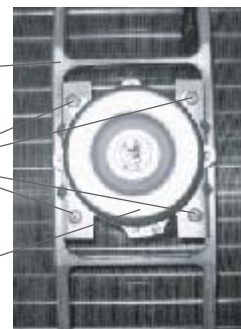


Fig. 8 — 36

8. 4. 8 ||||| Remove the 4-way valve (Only for heating only unit)

To screw off the tighten nut from the 4-way valve loops, then take out the loop, enwrap the 4-way vavle with wet cloth, unsolder 4pcs soldered point which connected with the 4-way valve, take out the 4-way valve.

The solder procedure should be as quick as possible, make sure that the guaze should keep wet, do not let the flame to damage the compressor lead wire. (As shown in Fig.8-37)

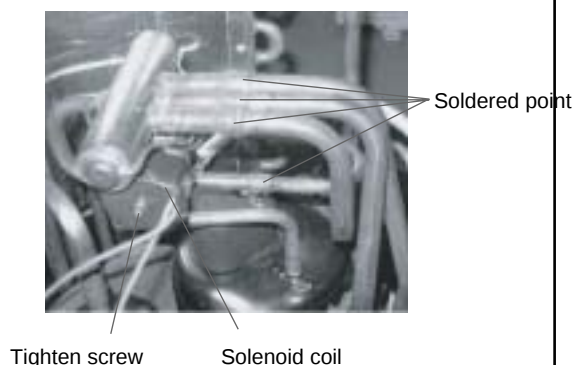


Fig. 8 — 37

8.2.7 ||||| Disassemble capillary

Unsolder the soldered point between capillary, valve and outlet pipe of condenser, can disassemble the capillary, when changing the capillary, do not let dregs block the capillary. (As shown in Fig.8-38)



Fig. 8 — 38

8.3.10 ||||| Disassemble the gas valve and liquid valve

To screw off 2pcs bolt which fixed the gas valve, then unsolder the soldered point between the gas valve and air return connection pipe, take off the gas valve.

(NOTE: When unsolder the soldered point, it is need to enwrap the gas valve with wet cloth, avoiding valve be damaged by high temp.)

To screw off 2pcs bolt which fixed the liquid valve, then unsolder the soldered point between the liquid valve and forked pipe, take off the liquid valve.

(As shown in Fig.8-39)

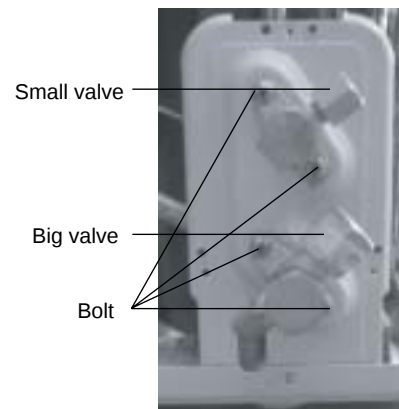


Fig. 8 — 39

8.2.8 ||||| Disassemble the compressor

Loosen 3pcs nut with washer at the compressor button;

(NOTE: It's need to discharge the refrigerant first.)

Unsolder the soldered points of air in pipe and air out pipe,
remove the pipeline carefully, take out the compressor.

Cooling only unit (As shown in Fig. 8-40)

Cooling and heating unit (As shown in Fig.8-41)

Soldered point



Nut with washer

Fig.8 — 40

Soldered point

Nut with washer

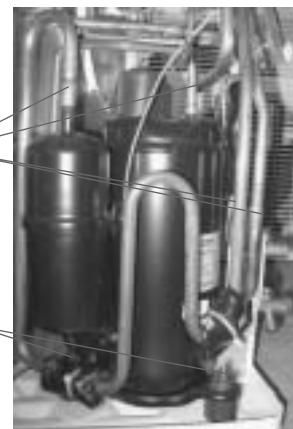
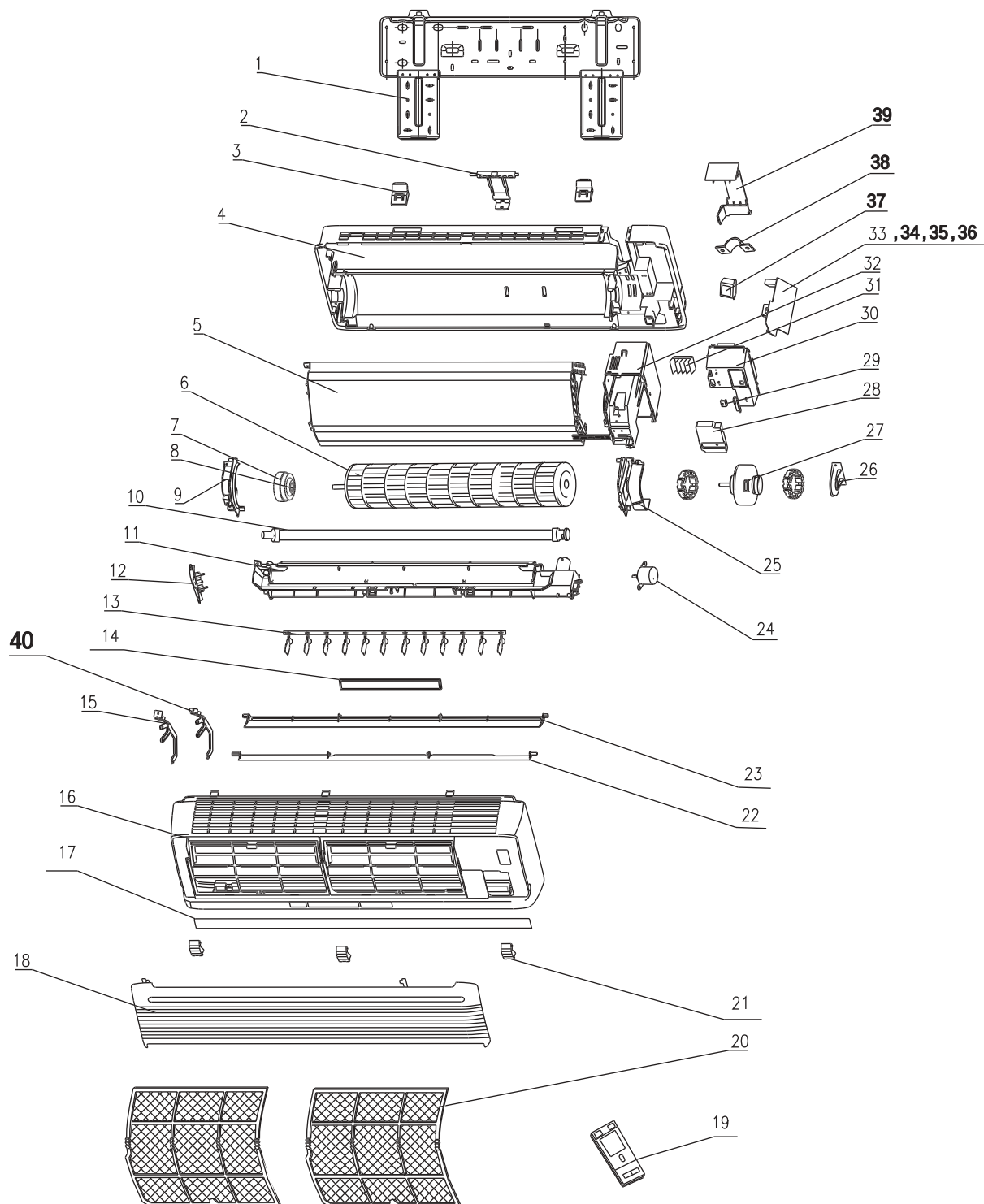


Fig. 8 — 41

9 Explosive view and spare parts lists

9.1 The spare parts explosive view for indoor unit with displayer

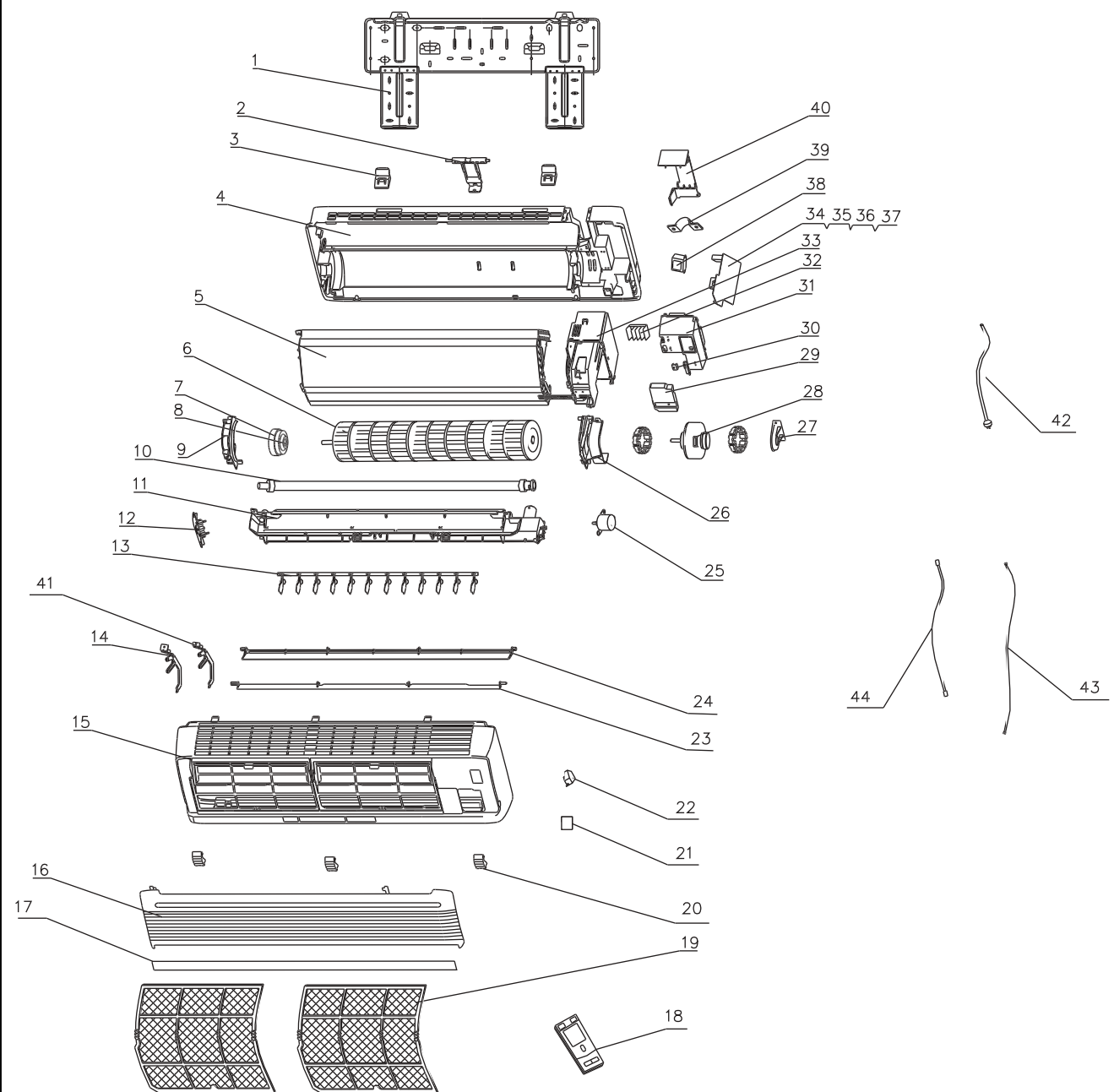


9. 2 Spare parts list for indoor unit with displayer

No.	Description	Part No.			Qty.
		KFR-26G/NJ11	KFR-35G/NJ11	KFR-45G/NJ11	
1.	Wall mounting frame	01252384	01252384	01252384	1
2.	Pipe clamp	26112425	26112425	26112425	1
3.	Hook	26272421	26272421	26272421	2
4.	Rear case	22202021	22202021	22202021	1
5.	Evaporator assy	010021414	010021413	01002099	1
6.	Cross flow fan assy	10352405	10352405	10352405	1
7.	Bearing holder	76712015	76712015	76712015	1
8.	Fan bearing	76512210	76512210	76512210	1
9.	Left clamp of motor	261124281	26112481	261124281	1
10.	Drainage pipe	05232411	05232411	05232411	1
11.	Water tray	20182021	20182021	20182021	1
12.	Stepping motor gear	10592001	10592001	10592001	1
13.	Round hole blade	10512429	10512429	10512429	10
	Quadrate hole blade	10512430	10512430	10512430	2
	Swing connecting rod	10582439	10582439	10582439	1
14.	Display board	30545201	30545201	30545201	1
15.	Guide louver holder	24212429	24212429	24212429	1
16.	Front case	20002223	20002223	20002223	1
17.	Decoration purfle (luxu)	68012007	68012007	68012007	1
18.	Front panel	20002221	20002221	20002221	1
19.	Wireless remote control Y512	30512506	30512506	30512506	1
20.	Filter	11122440	11122440	11122440	2
21.	Screw cover	24252440	24252440	24252440	3
22.	Small guide louver	10512428	10512428	10512428	1
23.	Big guide louver	10512427	10512427	10512427	1
24.	Stepping motor MP 24GA	15212102	15212102	15212102	1
25.	Right clamp of motor	26112429	26112429	26112429	1
26.	Bearing holder	26152423	26152423	26152423	1
27.	Motor FN6C	15012052	/	/	1
	Motor FN8H	/	15012051	/	
	Motor FN 22A	/	/	15012062	
28.	Top cover of electric box	22242017	22242017	22242017	1
29.	Manual switch	45010007	45010007	45010007	1
30.	Cover plate of electric box	20102123	20102123	20102123	1
31.	Terminal board	42011134	42011134	42011138	1
32.	Electric box	20102108	20102108	20102108	1
33.	Mainboard 5252B	30035380	30035380	30035380	1
34.	Indoor room sensor	390000451	390000451	390000451	1
35.	Indoor tube sensor	390000595	390000595	390000595	1
36.	Fuse	46010014	46010014	46010014	1
37.	Power transformer SC28D	43110194	43110194	43110194	1
38.	Wire clamp (Mid.)	71010103	71010103	71010103	1
39.	Rear clamp	26112430	26112430	26112430	1
40.	Guide louver holder 1	24212431	24212431	24212431	1
41.	Power cable	40020202	40020203	40020203	1
42.	Power connecting cable	40020402	40020403	40020440	1
43.	Signal control cable	40032154	40032154	40032154	1

9.3

The spare parts explosive view of indoor unit



9. 2 Spare parts list for indoor unit

No.	Description	Part No.				Qty.
		GSW12-22L/B(I)	GSW12-22R/B(I)	GSW18-22L/B(I)	GSW18-22R/B(I)	
1.	Wall mounting frame	01252384	01252384	01252384	01252384	1
2.	Pipe clamp	26112425	26112425	26112425	26112425	1
3.	Hook	26272421	26272421	26272421	26272421	2
4.	Rear case	22202021	22202021	22202021	22202021	1
5.	Evaporator assy	01002134	01002134	01002017	01002017	1
6.	Cross flow fan assy	10352405	10352405	10352405	10352405	1
7.	Bearing holder	76712015	76712015	76712015	76712015	1
8.	Fan bearing	76512210	76512210	76512210	76512210	1
9.	Left clamp of motor	261124281	261124281	261124281	261124281	1
10.	Drainage pipe	05232411	05232411	05232411	05232411	1
11.	Water tray	20182444	20182444	20182444	20182444	1
12.	Stepping motor gear	10592001	10592001	10592001	10592001	1
13	Round hole blade	10512429	10512429	10512429	10512429	10
	Quadrate hole blade	10512430	10512430	10512430	10512430	2
	Swing connecting rod	10582439	10582439	10582439	10582439	1
14.	Guide louver holder	24212429	24212429	24212429	24212429	1
15.	Front case	20002613	20002613	20002613	20002613	1
16.	Front panel	20002161	20002161	20002161	20002161	1
17.	Decoration purfle	68012004	68012004	68012004	68012004	1
18.	Wireless remote control Y512	30515002	30515002	30515002	30515002	1
19.	Filter	11122440	11122440	11122440	11122440	2
20.	Screw cover	24252440	24252440	24252440	24252440	3
21.	Supporter	24212013	24212013	24212013	24212013	1
22.	Receiving board JD	30046042	30046042	30046042	30046042	1
23.	Small guide louver	10512428	10512428	10512428	10512428	1
24.	Big guide louver	10512427	10512427	10512427	10512427	1
25.	Stepping motor MP 24GA	15212102	15212102	15212102	15212102	1
26.	Right clamp of motor	26112429	26112429	26112429	26112429	1
27.	Bearing holder	26152423	26152423	26152423	26152423	1
28	Motor FN20H-PG	15012027	/	/	/	
	Motor FN 8P	/	15012060	/	/	1
	Motor FN 22P	/	/	15012061	15012061	
29.	To cover of electric box	22242017	22242017	22242017	22242017	1
30.	Light touch switch	45010007	45010007	45010007	45010007	1
31.	Cover plate of electric box	20102123	20102123	20102059	20102120	1
32.	Terminal board	42011134	42011134	42011138	42011138	1
33.	Electric box	20102108	20102108	20102108	20102108	1
34.	Mainboard	30035372	30035371	30035358	30035357	1
35.	Room sensor	39000058	39000058	39000058	39000058	1
36.	Tube sensor	39000045	39000045	39000045	39000045	1
37.	Fuse	46010013	46010013	46010013	46010013	1
38.	Power transformer	43110170	43110170	43110170	43110170	1
39.	Wire clamp (Mid.)	71010103	71010103	71010103	71010103	1
40.	Rear clamp	26112430	26112430	26112430	26112430	1
41.	Guide louver holder	24212429	24212429	24212429	24212429	1
42.	Power cable	40020203	40020203	40020389	40020389	1
43.	Power connecting cable	40020403	40020403	40020440	40020440	1
44.	Signal control cable		40030325		40030325	1
45.	Sensor insert B	42020063	42020063	42020063	42020063	1

No.	Description	Part No.				Qty.
		KF-35G/A4-12206	KF-35G/A4-12206	KF-26G/J11	KFR-26G/J11	
1.	Wall mounting frame	01252384	01252384	01252384	01252384	1
2.	Pipe clamp	26112425	26112425	26112425	26112425	1
3.	Hook	26272421	26272421	26272421	26272421	2
4.	Rear case	22202021	22202021	22202021	22202021	1
5.	Evaporator assy	010021412	010021412	01002135	01002135	1
6.	Cross flow fan assy	10352405	10352405	10352405	10352405	1
7.	Bearing holder	76712015	76712015	76712015	76712015	1
8.	Fan bearing	76512210	76512210	76512210	76512210	1
9.	Left clamp of motor	261124281	261124281	261124281	261124281	1
10.	Drainage pipe	05232411	05232411	05232411	05232411	1
11.	Water tray	20182444	20182443	20182444	20182444	1
12.	Stepping motor gear	10592001	10592001	10592001	10592001	1
13	Round hole blade	10512429	10512429	10512429	10512429	10
	Quadrate hole blade	10512430	10512430	10512430	10512430	2
	Swing connecting rod	10582439	10582439	10582439	10582439	1
14.	Guide louver holder	24212429	24212429	24212429	24212429	1
15.	Front case	20002163	20002163	20002163	20002163	1
16.	Front panel	20002161	20002161	20002161	20002161	1
17.	Decoration purfle	68012004	68012004	68012004	68012004	1
18.	Wireless remote control	30515007	30515002	30515002	30515002	1
19.	Filter	11122440	11122440	11122440	11122440	2
20.	Screw cover	24252440	24252440	24252440	24252440	3
21.	Supporter	24212013	24212013	24212013	24212013	1
22.	Receiving board JD	30046042	30046042	30046042	30046042	1
23.	Small guide louver	10512428	10512428	10512428	10512428	1
24.	Big guide louver	10512427	10512427	10512427	10512427	1
25.	Stepping motor MP 24GA	15212102	15212102	15212102	15212102	1
26.	Right clamp of motor	26112429	26112429	26112429	26112429	1
27.	Bearing holder	26152423	26152423	26152423	26152423	1
28	Motor FN 8P	15012060	15012060	/	/	1
	Motor FN 6C	/	/	15012052	15012052	
29.	Top cover of electric box	222420140	22242017	22242017	22242017	1
30.	Light touch switch	45010007	45010007	45010007	45010007	1
31.	Cover plate of electric box	20102059	20102123	20102123	20102123	1
32.	Terminal board	42011154	42011134	42011134	42011134	1
33.	Electric box	20102108	20102108	20102108	20102108	1
34.	Mainboard	30035372	30035372	30035372	30035371	1
35.	Tube sensor	39000058	39000058	39000058	39000058	1
36.	Room sensor	39000045	39000045	39000045	39000045	1
37.	Fuse	46010013	46010013	46010013	46010013	1
38.	Power transformer	43110170	43110170	43110170	43110170	1
39.	Wire clamp (Mid.)	71010103	71010103	71010103	71010103	1
40.	Rear clamp	26112430	26112430	26112430	26112430	1
41.	Guide louver holder	24212429	24212429	24212429	24212429	1
42.	Power cable	400204992	400203621	40020202	40020202	1
43.	Power connecting cable	40020431	40020431	40020402	40020402	1
44.	Signal control cable	\	\	\	40030325	1
45.	Sensor insert B	42020063	42020063	42020063	42020063	1

No.	Description	Part No.				Qty.
		KF-35G/J11	KFR-35G/J11	KF-45G/J11	KFR-45G/J11	
1.	Wall mounting frame	01252384	01252384	01252384	01252384	1
2.	Pipe clamp	26112425	26112425	26112425	26112425	1
3.	Hook	26272421	26272421	26272421	26272421	2
4.	Rear case	22202021	22202021	22202021	22202021	1
5.	Evaporator assy	01002134	01002134	01002017	01002017	1
6.	Cross flow fan assy	10352405	10352405	10352405	10352405	1
7.	Bearing holder	76712015	76712015	76712015	76712015	1
8.	Fan bearing	76512210	76512210	76512210	76512210	1
9.	Left clamp of motor	261124281	261124281	261124281	261124281	1
10.	Drainage pipe	05232411	05232411	05232411	05232411	1
11.	Water tray	20182444	20182444	20182439	20182444	1
12.	Stepping motor gear	10592001	10592001	10592001	10592001	1
13	Round hole blade	10512429	10512429	10512429	10512429	10
	Quadrate hole blade	10512430	10512430	10512430	10512430	2
	Swing connecting rod	10582439	10582439	10582439	10582439	1
14.	Guide louver holder	24212429	24212429	24212429	24212429	1
15.	Front case	20002613	20002613	20002613	20002613	1
16.	Front panel	20002161	20002161	20002161	20002161	1
17.	Decoration purfle	68012004	68012004	68012004	68012004	1
18.	Wireless remote control	30515002	30515002	30515002	30515002	1
19.	Filter	11122440	11122440	11122440	11122440	2
20.	Screw cover	24252440	24252440	24252440	24252440	3
21.	Supporter	24212013	24212013	24212013	24212013	1
22.	Receiving board JD	30046042	30046042	30046042	30046042	1
23.	Small guide louver	10512428	10512428	10512428	10512428	1
24.	Big guide louver	10512427	10512427	10512427	10512427	1
25.	Stepping motor MP 24GA	15212102	15212102	15212102	15212102	1
26.	Right clamp of motor	26112429	26112429	26112429	26112429	1
27.	Bearing holder	26152423	26152423	26152423	26152423	1
28	Motor FN 8H	15012051	15012051	/	/	1
	Motor FN 22A	/	/	15012062	15012062	
29.	Top cover of electric box	22242017	22242017	22242017	22242017	1
30.	Light touch switch	45010007	45010007	45010007	45010007	1
31.	Cover plate of electric box	20102123	20102123	20102123	20102120	1
32.	Terminal board	42011134	42011134	42011138	42011138	1
33.	Electric box	20102108	20102108	20102108	20102108	1
34.	Mainboard	30035372	30035371	30035358	30035357	1
35.	Tube sensor	39000058	39000058	39000058	39000058	1
36.	Room sensor	39000045	39000045	39000045	39000045	1
37.	Fuse	46010013	46010013	46010013	46010013	1
38.	Power transformer SC28B1	43110170	43110170	43110170	43110170	1
39.	Wire clamp (Mid.)	71010103	71010103	71010103	71010103	1
40.	Rear clamp	26112430	26112430	26112430	26112430	1
41.	Guide louver holder	24212429	24212429	24212429	24212429	1
42.	Power cable	40020203	40020203	40020389	40020389	1
43.	Power connecting cable	40020403	40020403	40020440	40020440	1
44.	Signal control cable	/	40030325	/	40030325	1
45.	Sensor insert B	42020063	42020063	42020063	42020063	1

No.	Description	Part No.				Qty.
		KFR-26G/J11-12405	KFR-35G/J11-12405	KFR-20G/NJ11	KF-45G/NJ11	
1.	Wall mounting frame	01252384	01252384	01252384	01252384	1
2.	Pipe clamp	26112425	26112425	26112425	26112425	1
3.	Hook	26272421	26272421	26272421	26272421	2
4.	Rear case	22202021	22202021	22202021	22202021	1
5.	Evaporator assy	10021351	10021341	10021414	1002099	1
6.	Cross flow fan assy	10352405	10352405	10352405	10352405	1
7.	Bearing holder	76712015	76712015	76712015	76712015	1
8.	Fan bearing	76512210	76512210	76512210	76512210	1
9.	Left clamp of motor	261124281	261124281	261124281	261124281	1
10.	Drainage pipe	05232411	05232411	05232411	05232411	1
11.	Water tray	20182444	20182444	20182444	20182444	1
12.	Stepping motor gear	10592001	10592001	10592001	10592001	1
13	Round hole blade	10512429	10512429	10512429	10512429	10
	Quadrate hole blade	10512430	10512430	10512430	10512430	2
	Swing connecting rod	10582439	10582439	10582439	10582439	1
14.	Guide louver holder	24212429	24212429	24212429	24212429	1
15.	Front case	20002613	20002613	20002613	20002613	1
16.	Front panel	20002161	20002161	20002161	20002161	1
17.	Decoration purfle	68012004	68012004	68012004	68012004	1
18.	Wireless remote control	30515002	30515002	30515002	30515002	1
19.	Filter	11122440	11122440	11122440	11122440	2
20.	Screw cover	24252440	24252440	24252440	24252440	3
21.	Supporter	24212013	24212013	24212013	24212013	1
22.	Receiving board JD	30046042	30046042	30046042	30046042	1
23.	Small guide louver	10512428	10512428	10512428	10512428	1
24.	Big guide louver	10512427	10512427	10512427	10512427	1
25.	Stepping motor MP 24GA	15212102	15212102	15212102	15212102	1
26.	Right clamp of motor	26112429	26112429	26112429	26112429	1
27.	Bearing holder	26152423	26152423	26152423	26152423	1
28	Motor FN 6C	15012052	/	15012052	/	1
	Motor FN 8J	/	150120511	/	/	
	Motor 22A	/	/	/	15012062	
29.	Top cover of electric box	22242017	22242017	22242017	22242017	1
30.	Light touch switch	45010007	45010007	45010007	45010007	1
31.	Cover plate of electric box	20102123	20102123	20102123	20102123	1
32.	Terminal board	42011134	42011134	42011134	42011138	1
33.	Electric box	20102108	20102108	20102108	20102108	1
34.	Mainboard	30035371	30035371	30035371	30035358	1
35.	Tube sensor	39000058	39000058	39000058	39000164	1
36.	Room sensor	39000045	39000045	39000045	39000045	1
37.	Fuse	46010013	46010013	46010013	46010013	1
38.	Power transformer	43110204	43110204	43110170	43110170	1
39.	Wire clamp (Mid.)	71010103	71010103	71010103	71010103	1
40.	Rear clamp	26112430	26112430	26112430	26112430	1
41.	Guide louver holder	24212429	24212429	24212429	24212429	1
42.	Power cable	40020206	40020207	40020202	40020389	1
43.	Power connecting cable	40020402	40020403	40020402	40020440	1
44.	Signal control cable	40030325	40030325	40030325	/	1
45.	Sensor insert B	42020063	42020063	42020063	42020063	1

No.	Description	Part No.				Qty.
		KF-26G/NJ11	KFR-26G/NJ11	KF-35G/NJ11	KFR-35G/NJ11	
1.	Wall mounting frame	01252384	01252384	01252384	01252384	1
2.	Pipe clamp	26112425	26112425	26112425	26112425	1
3.	Hook	26272421	26272421	26272421	26272421	2
4.	Rear case	22202021	22202021	22202021	1	
5.	Evaporator assy	010021414	010021414	010021413	010021413	1
6.	Cross flow fan assy	10352405	10352405	10352405	10352405	1
7.	Bearing holder	76712015	76712015	76712015	76712015	1
8.	Fan bearing	76512210	76512210	76512210	76512210	1
9.	Left clamp of motor	26112428	261124281	261124281	26112481	1
10.	Drainage pipe	05232411	05232411	05232411	05232411	1
11.	Water tray	20182444	20182444	20182444	20182444	1
12.	Stepping motor gear	10592001	10592001	10592001	10592001	1
13	Round hole blade	10512429	10512429	10512429	10512429	10
	Quadrate hole blade	10512430	10512430	10512430	10512430	2
	Swing connecting rod	10582439	10582439	10582439	10582439	1
14.	Guide louver holder	24212429	24212429	24212429	24212429	1
15.	Front case	20002613	20002613	20002613	20002613	1
16.	Front panel	20002161	20002161	20002161	20002161	1
17.	Decoration purfle	68012004	68012004	68012004	68012004	1
18.	Wireless remote control Y512	30515002	30515002	30515002	30515002	1
19.	Filter	11122440	11122440	11122440	11122440	2
20.	Screw cover	24252440	24252440	24252440	24252440	3
21.	Supporter	24212013	24212013	24212013	24212013	1
22.	Receiving board JD	30046042	30046042	30046042	30046042	1
23.	Small guide louver	10512428	10512428	10512428	10512428	1
24.	Big guide louver	10512427	10512427	10512427	10512427	1
25.	Stepping motor MP 24GA	15212102	15212102	15212102	15212102	1
26.	Right clamp of motor	26112429	26112429	26112429	26112429	1
27.	Bearing holder	26152423	26152423	26152423	26152423	1
28	Motor FN6C	15012052	15012052	/	/	1
	Motor FN 20G	/	/	15012058	15012058	
29.	Top cover of electric box	22242017	22242017	22242017	22242017	1
30.	Light touch switch	45010007	45010007	45010007	45010007	1
31.	Cover plate of electric box	20102123	20102123	20102123	20102123	1
32.	Terminal board	42011134	42011134	42011134	42011134	1
33.	Electric box	20102108	20102108	20102108	20102108	1
34.	Mainboard	30035372	30035371	30035372	30035371	1
35.	Tube sensor	39000058	39000058	39000058	39000058	1
36.	Room sensor	39000045	39000045	39000045	39000045	1
37.	Fuse	46010013	46010013	46010013	46010013	1
38.	Power transformer	43110170	43110170	43110170	43110170	1
39.	Wire clamp (Mid.)	71010103	71010103	71010103	71010103	1
40.	Rear clamp	26112430	26112430	26112430	26112430	1
41.	Guide louver holder 1	24212429	24212429	24212429	24212429	1
42.	Power cable	40020202	40020202	40020203	40020203	1
43.	Power connecting cable	40020402	40020402	40020403	40020403	1
44.	Signal control cable	/	40030325	/	40030325	1
45.	Sensor insert B	42020063	42020063	42020063	42020063	1

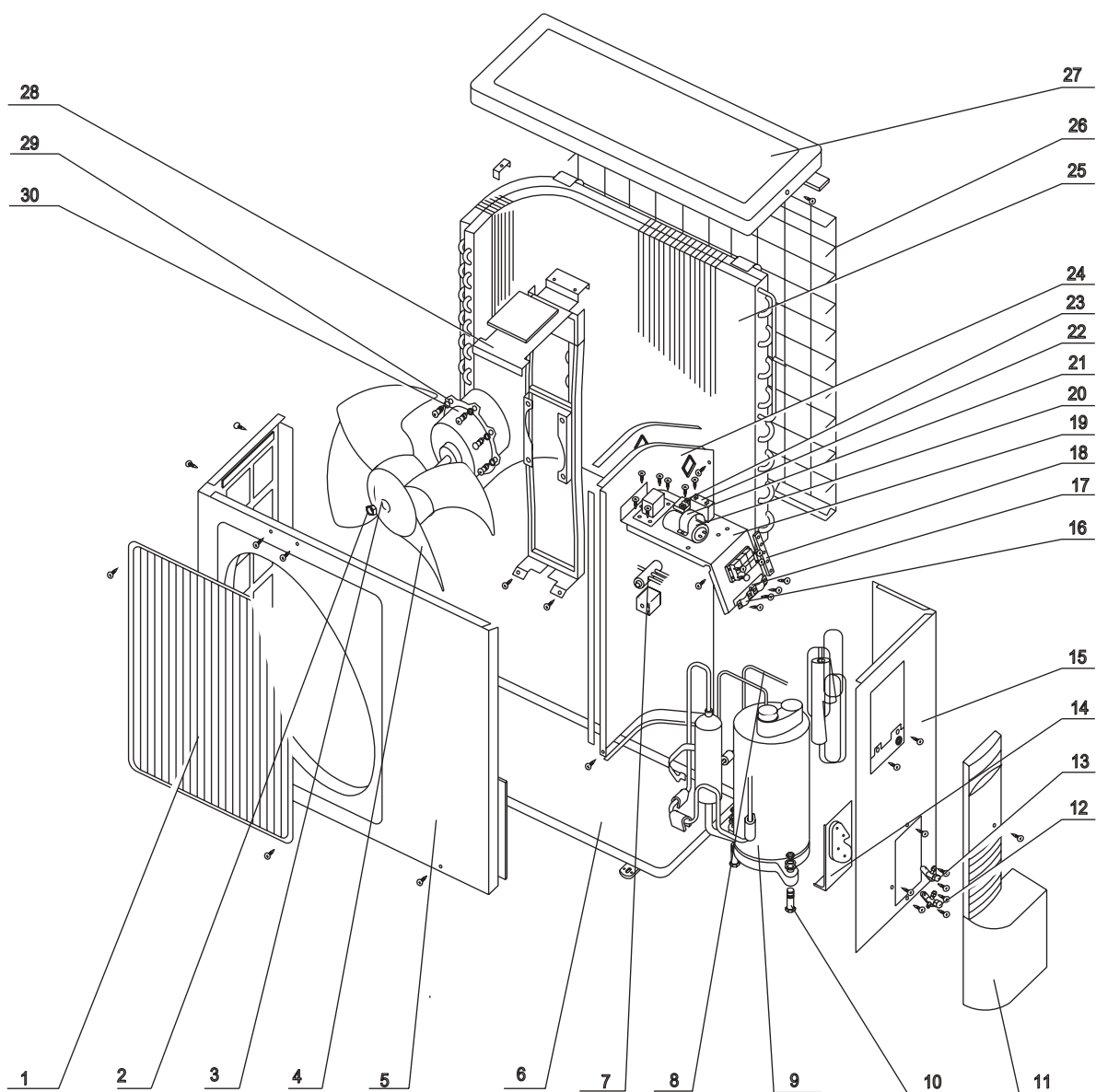
No.	Description	Part No.				Qty.
		KFR-45G/NJ11	KFR-35G/NaJ12	KFR-35G/NaJ12	KFR-35G/NJ11	
1.	Wall mounting frame	01252384	01252384	01252384	01252384	1
2.	Pipe clamp	26112425	26112425	26112425	26112425	1
3.	Hook	26272421	26272421	26272421	26272421	2
4.	Rear case	22202021	22202021	22202021	22202021	1
5.	Evaporator assy	01002149	01002181	01002181	01002181	1
6.	Cross flow fan assy	10352405	10352005	10352005	10352405	1
7.	Bearing holder	76712015	76712015	76712015	76712015	1
8.	Fan bearing	76512210	76512210	76512210	76512210	1
9.	Left clamp of motor	261124281	261124281	261124281	261124281	1
10.	Drainage pipe	05232411	05232411	05232411	05232411	1
11.	Water tray	20182444	20182444	20182443	20182443	1
12.	Stepping motor gear	10592001	10592001	10592001	10592001	1
13	Round hole blade	10512429	10512429	10512429	10512429	10
	Quadrate hole blade	10512430	10512430	10512430	10512430	2
	Swing connecting rod	10582439	10582439	10582439	10582439	1
14.	Guide louver holder	24212429	24212429	24212429	24212429	1
15.	Front case	20002613	20002613	20002254	20002254	1
16.	Front panel	20002161	20002161	20002256	20002256	1
17.	Decoration purfle	68012004	68012004			1
18	Wireless remote control Y512F	30515002	30515002	/	/	1
	Wireless remote control Y512Q	/	/	30515018	30515018	
19.	Filter	11122440	11122440	11122440	11122440	2
20.	Screw cover	24252440	24252440	24252440	24252440	3
21.	Supporter	24212013	24212013	24212013		1
22.	Receiving board JD	30046042	30046042	30046042	30046042	1
23.	Small guide louver	10512428	10512428	10512428	10512031	1
24.	Big guide louver	10512427	10512427	10512031	10512427	1
25.	Stepping motor MP 24GA	15212102	15212102	15212102	15212102	1
26.	Right clamp of motor	26112429	26112429	26112429	26112429	1
27.	Bearing holder	26152423	26152423	26152423	26152423	1
28	Motor	15012062	15012062	15012062	/	1
	Motor FN 20G	/	/	/	15012058	
29.	Top cover of electric box	22242017	22242017	22242017	22242017	1
30.	Light touch switch	45010007	45010007	45010007	45010007	1
31.	Cover plate of electric box	20102123	20102123	20102123	20102123	1
32.	Terminal board	42011138	42011134	42011134	42011134	1
33.	Electric box	20102108	20102108	20102108	20102108	1
34.	Mainboard	30035357	30035371	30055361	300553611	1
35.	Tube sensor	39000058	39000058	39000058	39000058	1
36.	Room sensor	39000045	39000045	39000045	39000045	1
37.	Fuse	46010013	46010013	46010014	46010014	1
38.	Power transformer	43110170	43110170	43110170	43110170	1
39.	Wire clamp (Mid.)	71010103	71010103	71010103	71010103	1
40.	Rear clamp	26112430	26112430	26112430	26112430	1
41.	Guide louver holder 1	24212431	24212431			1
42.	Power cable	40020389	40020203	40020203	40020203	1
43.	Power connecting cable	40020440	40020403	40020403	40020403	1
44.	Signal control cable	40030325	40030325	40030325	40030325	1
45.	Sensor insert B	42020063	42020063	42020063	42020063	1

No.	Description	Part No.				Qty.
		KF-35G/NJ21	KFR-35G/NJ21	KF-45G/NJ21	KFR-45G/NJ21	
1.	Wall mounting frame	01252384	01252384	01252384	01252384	1
2.	Pipe clamp	26112425	26112425	26112425	26112425	1
3.	Hook	26272421	26272421	26272421	26272421	2
4.	Rear case	22202021	22202021	22202021	22202021	1
5.	Evaporator assy	01002050	01002050	01002051	01002051	1
6.	Cross flow fan assy	10352405	10352405	10352405	10352405	1
7.	Bearing holder	76712015	76712015	76712015	76712015	1
8.	Fan bearing	76512210	76512210	76512210	76512210	1
9.	Left clamp of motor	261124281	261124281	261124281	261124281	1
10.	Drainage pipe	05232411	05232411	05232411	05232411	1
11.	Water tray	20182444	20182444	20182444	20182444	1
12.	Stepping motor gear	10592001	10592001	10592001	10592001	1
13	Round hole blade	10512429	10512429	10512429	10512429	10
	Quadrate hole blade	10512430	10512430	10512430	10512430	2
	Swing connecting rod	10582439	10582439	10582439	10582439	1
14.	Guide louver holder	24212429	24212429	24212429	24212429	1
15.	Front case	20002613	20002613	20002613	20002613	1
16.	Front panel	20002161	20002161	20002161	20002161	1
17.	Decoration purfle	68012004	68012004	68012004	68012004	1
18.	Wireless remote control	30515002	30512502	30515002	30515002	1
19.	Filter	11122440	11122440	11122440	11122440	2
20.	Screw cover	24252440	24252440	24252440	24252440	3
21.	Supporter	24212013	24212013	24212013	24212013	1
22.	Receiving board JD	30046042	30046042	30046042	30046042	1
23.	Small guide louver	10512428	10512428	10512428	10512428	1
24.	Big guide louver	10512427	10512427	10512427	10512427	1
25.	Stepping motor MP 24GA	15212102	15212102	15212102	15212102	1
26.	Right clamp of motor	26112429	26112429	26112429	26112429	1
27.	Bearing holder	26152423	26152423	26152423	26152423	1
28	Motor FN 20G	15012058	15012058	/	/	1
	Motor FN 22A	/	/	15012062	15012062	
29.	Top cover of electric box	22242017	22242017	22242017	22242017	1
30.	Light touch switch	45010007	45010007	45010007	45010007	1
31.	Cover plate of electric box	20102120	20102120	20102123	20102123	1
32.	Terminal board	42011134	42011134	42011138	42011138	1
33.	Electric box	20102108	20102108	20102108	20102108	1
34.	Mainboard	30035372	30035371	30035358	30035357	1
35.	Tube sensor	39000058	39000058	39000058	39000058	1
36.	Room sensor	39000045	39000045	39000045	39000045	1
37.	Fuse	46010013	46010013	46010013	46010013	1
38.	Power transformer	43110170	43110170	43110170	43110170	1
39.	Wire clamp (Mid.)	71010103	71010103	71010103	71010103	1
40.	Rear clamp	26112430	26112430	26112430	26112430	1
41.	Power cable	40020203	40020203	40020389	40020389	1
42.	Power connecting cable	40020403	40020403	40020440	40020440	1
43.	Signal control cable	/	40032153	/	40032153	1
44.	Sensor insert B	42020063	42020063	42020063	42020063	1

No.	Description	Part No.		Qty.
		KFR-35G/NaJ11	KFR-45G/NaJ11	
1.	Wall mounting frame	01252384	01252384	1
2.	Pipe clamp	26112425	26112425	1
3.	Hook	26272421	26272421	2
4.	Rear case	22202021	22202021	1
5.	Evaporator assy	01002136	01002181	1
6.	Cross flow fan assy	10352405	10352005	1
7.	Bearing holder	76712015	76712015	1
8.	Fan bearing	76512210	76512210	1
9.	Left clamp of motor	261124281	261124281	1
10.	Drainage pipe	05232411	05232411	1
11.	Water tray	20182444	20182444	1
12.	Stepping motor gear	10592001	10592001	1
13	Round hole blade	10512429	10512429	10
	Quadrate hole blade	10512430	10512430	2
	Swing connecting rod	10582439	10582439	1
14.	Guide louver holder	24212429	24212429	1
15.	Front case	20002163	20002163	1
16.	Front panel	20002161	20002161	1
17.	Decoration purfle	68012004	68012004	1
18.	Wireless remote control	30515002	30515002	1
19.	Filter	11122440	11122440	2
20.	Screw cover	24252440	24252440	3
21.	Supporter	24212013	24212013	1
22.	Receiving board JD	30046042	30046042	1
23.	Small guide louver	10512428	10512428	1
24.	Big guide louver	10512427	10512427	1
25.	Stepping motor MP 24GA	15212102	15212102	1
26.	Right clamp of motor	26112429	26112429	1
27.	Bearing holder	26152423	26152423	1
28	Motor FN 20G	15012058	/	1
	Motor FN 22A	/	15012062	
29.	Top cover of electric box	22242017	22242017	1
30.	Light touch switch	45010007	45010007	1
31.	Cover plate of electric box	20102123	20102123	1
32.	Terminal board	42011134	42011138	1
33.	Electric box	20102108	20102108	1
34.	Mainboard	30035371	30035357	1
35.	Tube sensor	39000058	39000058	1
36.	Room sensor	39000045	39000045	1
37.	Fuse	46010013	46010013	1
38.	Power transformer SC28B1	43110170	43110170	1
39.	Wire clamp (Mid.)	71010103	71010103	1
40.	Rear clamp	26112430	26112430	1
41.	Guide louver holder 1		24212431	
42.	Power cable	40020203	40020389	1
43.	Power connecting cable	40020403	40020440	1
44.	Signal control cable	40030325	40030325	1
45.	Sensor insert B	42020063	42020063	1

The above data are subject to change without notice.

9.3 Spare parts explosive view for outdoor unit



9. 4 Spare parts list for outdoor unit

No.	Description	Part NO.				Qty.
		GSW12-22L/B(O)	GSW12-22R/B(O)	GSW18-22L/B(O)	GSW18-22R/B(O)	
1.	Front grill	22413431	22413431	22413431	22413431	1
2.	Nut M6	70310132	70310132	70310132	70310132	1
3.	Shim 6	70410252	70410252	70410252	70410252	1
4.	Axial flow fan	10333412	10333412	10333412	10333412	1
5.	Front panel	01533012	01533012	01533012	01533012	1
6.	Chassis sub-assy	01203035	01203035	01203085	01203085	1
7.	4-way valve	/	43000402	/	43000403	1
8.	Capillary sub-assy	03003231	03003222	03003069	03003052	1
9	Compressor and fitting 2P19S236A1J	00100260	00100260	/	/	1
	Compressor and fitting 2K25S236AHA	/	/	00100205	00100205	
10.	Nut with washer M8	70310014	70310014	70310014	70310014	3
11.	Big handle sub-assy	26233433	26233433	26233433	26233433	1
12.	Valve 1/2"	07100147	07100147	07100142	07100142	1
13.	Valve 1/4"	07100024	07100024	07100115	07100115	1
14.	Valve support	01713041	01713041	01713041	01713041	1
15.	Right side plate sub-assy	01302004	01302004	01302004	01302004	1
16.	Wire clamp	71010103	71010103	71010103	71010103	2
17.	Insulation gasket	70410525	70410523	70410525	70410525	1
18.	Three-way terminal board	42011241	42011241	42011113	42011113	1
19.	Electric box	01413425	01413425	01413425	01413425	1
20	Capacitor CBB65 30uF/450V (440V)	33000018	33000018	/	/	1
	Capacitor CBB65 40uF/450V (TUV Certification)	/	/	33000022	33000022	
21.	Capacitor clamp	02143401	02143401	02141375	02141375	1
22.	Capacitor (3uF/450VAC)	33010027	33010027	33010027	33010027	1
23.	Terminal board 2-8 bit	/	42011103	/	42011103	1
24.	Isolation sheet sub-assy	01233417	01233417	01233417	01233417	1
25.	Condenser sub-assy	01103176	01103173	01103435	01103118	1
26.	Rear grill	01473030	01473030	01473030	01473030	1
27.	Top cover sub-assy	01253261	01253261	01253261	01253261	1
28.	Motor support	01703068	01703068	01703391	01703391	1
29.	Tapping screw ST 4.8X16	70140165	70140165	70140165	70140165	4
30.	Motor	15013305	15013305	15013305	15013305	1

No.	Description	Part NO.				Qty.
		KF-35W/A4-12206	KF-35W/A4-12206	KF-45W/NJ11	KFR-45W/NaJ11	
1.	Front grill	22413431	22413431	22413431	22413431	1
2.	Nut M6	70310132	70310132	70310132	70310131	1
3.	Shim 6	70410252	70410252	70410252	70410252	1
4.	Axial flow fan	10333412	10333412	10333412	10333413	1
5.	Front panel	01533012	01533012	01533012	01533012	1
6.	Chassis sub-assy	01203112	01203112	01203144	01203179	1
7.	4-way valve	/	/	/	430004032	1
8.	Capillary sub-assy	03003216	03003216	03003359	03003386	1
9	Compressor 2P19S236A1J	00100260	00100260	/	/	1
	Compressor and fitting CHY33MC4-U	/	/	00100366	/	
	Compressor and fitting C-RV 175H1A	/	/	/	00100379	
10.	Nut with washer M8	70310014	70310014	70310014	70310014	3
11.	Big handle sub-assy	26233433	26233433	26233433	26233433	1
12.	Valve 1/2"	07100142	07100142	07100133	07100006	1
13.	Valve 1/4"	07100115	07100115	07100134	07100003	1
14.	Valve support	01713041	01713041	01713041	01713041	1
15.	Right side plate sub-assy	01302000	01302004	01302004	01302004	1
16.	Wire clamp	71010103	71010103	71010103	71010103	1
17.	Insulation gasket	70410525	70410525	70410525	70410523	1
18.	Three-way terminal board		42011241	42011113	42011113	1
19.	Electric box	01403117	01413425	01413425	01413425	1
20	Capacitor (30uF/45VAC)	33000018	33000018	/	/	1
	Capacitor 50uF/450V	/	/	33000001	/	
	Capacitor 35uF/450V	/	/	/	33010743	
21.	Capacitor clamp	02143401	02143401	02143401	02143442	1
22.	Capacitor CBB61 3uF/450V	33010027	33010027	33010027	33010027	1
23.	Terminal board 2 bit	420011154	/	/	/	1
24.	Isolation sheet sub-assy	01233417	01233417	01233417	01233417	1
25.	Condenser sub-assy	01133394	01133394	01135001	011333921	1
26.	Rear grill	01473030	01473030	01473030	01473030	1
27.	Top cover sub-assy	01253261	01253261	012532611	012532611	1
28.	Motor support	01703391	01703391	01703391	01703391	1
29.	Tapping screw ST 4.8X16	70140165	70140165	70140259	70140259	4
30	Motor FW48B	15013305	15013305	/	/	1
	Motor FW48C	/	/	15013039	/	
	Motor FW48G	/	/	/	15013066	
31.	Compressor over load	Built-in	Built-in	Built-in	00180053	1
32.	Compressor pad	76710217	76710217	76710202	76710224	3

No.	Description	Part NO.				Qty.
		KF-26W/J11	KFR-26W/J11	KF-26W/J11	KFR-26W/J11	
1.	Front grill	22413431	22413431	22413431	22413431	1
2.	Nut M6	70310132	70310132	70310131	70310132	1
3.	Shim 6	70410252	70410252	70410252	70410252	1
4.	Axial flow fan	10333412	10333412	10333413	10333413	1
5.	Front panel	01533012	01533012	01533012	01533012	1
6.	Chassis sub-assy	01203336	01203324	01203103	01203073	1
7.	4-way valve	/	43000402	/	43000402	1
8.	Capillary sub-assy	03003264	03003210	03003413	03003424	1
9	Compressor and fitting SG633GA1UA	00100143	/	/	/	1
	Compressor and fitting RH174VHAC	/	00120078	/	00120078	
	Compressor and fitting SG633GA1UA	/	/	00100143	/	
10.	Nut with washer M8	70310014	70310011	70310014	70310011	3
11.	Big handle sub-assy	26233433	26233433	26233433	26233433	1
12.	Valve 3/8"	07100143	07100143	07100143	07100143	1
13.	Valve 1/4"	017100125	07100125	07100125	07100125	1
14.	Valve support	01713041	01713041	01713041	01713041	1
15.	Right side plate sub-assy	01302004	01302004	01302004	01302004	1
16.	Wire clamp	71010103	71010103	71010103	71010103	2
17.	Insulation gasket	70410525	70410523	70410525	70410523	1
18.	Three-way terminal board	42011241	42011241	42011241	42011241	1
19.	Electric box	01413425	01413425	01413425	01413425	1
20	Capacitor (35uF/450VAC)	33010743	/	33010743	/	1
	Capacitor (25uF/450VAC)	/	33000017	/	33000017	
21.	Capacitor clamp	02143401	02143401	02143401	02143401	1
22.	Motor capacitor	33010026	33010026	33010026	33010026	1
23.	Terminal board 2-8	/	42011103	/	42011103	1
24.	Isolation sheet sub-assy	01233417	01233417	01233417	01233417	1
25.	Condenser sub-assy	01103176	01103178	011330181	01133018	1
26.	Rear grill	01473030	01473030	01473030	01473030	1
27.	Top cover sub-assy	01253261	012532611	01253261	01253261	1
28.	Motor support	01703068	01703068	01703002	01703002	1
29.	Tapping screw ST 4.8X16	70140165	70140165	70140165	70140165	4
30	Motor FW30G	15013005	15013005	/	/	1
	Motor FW30K	/	/	15013067	15013067	
31.	Compressor over load	Built-in	Built-in	Built-in	Built-in	1
32.	Compressor pad	76710203	76710207	76710203	76710207	3

No.	Description	Part NO.				Qty.
		KF-35W/J11	KFR-35W/J11	KF-45W/J11	KFR-45W/J11	
1.	Front grill	22413431	22413431	22413431	22413431	1
2.	Nut M6	70310132	70310132	70310132	70310132	1
3.	Shim 6	70410252	70410252	70410252	70410252	1
4.	Axial flow fan	10333412	10333412	10333412	10333412	1
5.	Front panel	20002041	01533012	01533012	01533012	1
6.	Chassis sub-assy	01203045	01203008	01203144	01203144	1
7.	4-way valve	/	43000402	/	43000403	1
8.	Capillary sub-assy	03003209	03003208	03003216	03003215	1
9	Compressor and fitting RH220VHLC	00120079	/	/	/	1
	Compressor and fitting C- RV232BH1AA	/	00100339	/	/	
	Compressor and fitting SHY33MC4-G	/	/	00100135	00100135	
10.	Nut with washer M8	70310011	70310011	70310014	70310014	3
11.	Big handle sub-assy	26233433	26233433	26233433	26233433	1
12.	Valve 1/2"	07100147	07100142	07100147	07100147	1
13.	Valve 1/4"	07100024	07100125	07100120	07100120	1
14.	Valve support	01713041	01713041	01713041	01713041	1
15.	Right side plate sub-assy	01302004	01302004	01302004	01302004	1
16.	Wire clamp	71010103	71010103	71010103	71010103	2
17.	Insulation gasket	70410525	70410523	70410525	70410523	1
18.	Three-way terminal board	42011241	42011241	42011241	42011113	1
19.	Electric box	01413425	01413425	01413425	01413425	1
20	Capacitor (30uF/450VAC)	33000018	33000018	/	/	1
	Capacitor (50uF/440V)	/	/	33000001	33000001	
21.	Capacitor clamp	02143401	02143401	02143401	02143401	1
22.	Capacitor (3uF/450VAC)	33010027	33010027	33010027	33010027	1
23.	Terminal board 2-8	/	42011103	/	42011103	1
24.	Isolation sheet sub-assy	01233417	01233417	01233417	01233417	1
25.	Condenser sub-assy	01103176	01103173	011031861	01103185	1
26.	Rear grill	01473030	01473030	01473030	01473030	1
27.	Top cover sub-assy	01253261	01253261	012532611	01253261	1
28.	Motor support	01703068	01703068	01703391	01703391	1
29.	Tapping screw ST 4.8X16	70140165	70140165	70140165	70140165	4
30.	Motor (FW48C)	15013039	15013039	15013039	15013039	1
31.	Compressor over load	00180006	00180006	Built-in	Built-in	1
32.	Compressor pad	76710212	76710212	76710202	76710202	3

No.	Description	Part NO.				Qty.
		KFR-26W/ J11-12405	KFR-35W/ J11-12405	KFR-20W/NJ11	KFR-20W/NJ11	
1.	Front grill	22413431	22413431	22413431	22413431	1
2.	Nut M6	70310132	70310132	70310132	70310132	1
3.	Shim 6	70410252	70410252	70410224	70410224	1
4.	Axial flow fan	10333412	10333412	10333412	10333413	1
5.	Front panel	01533012	01533012	01533012	01533012	1
6.	Chassis sub-assy	01203324	01203373	012033342	01203251	1
7.	4-way valve	43000402	43000402	430004021	430004021	1
8.	Capillary sub-assy	03003210	03003330	03003641	030036411	1
9	Compressor and fitting RH174VHAC	00120078	/	/	/	1
	Compressor and fitting C-RV232BH1AA	/	00100339	/	/	
	Compressor and fitting C-1RN70H5C	/	/	00100354	/	
	Compressor and fitting CG433EB1-C	/	/	/	00100388	
10.	Nut with washer M8	70310011	70310012	70310011	70310014	3
11.	Big handle sub-assy	26233433	26233433	26233433	26233433	1
12	Valve 3/8"	07100143	/	07100135	07100135	1
	Valve 1/2"	/	07100147	/	/	
13.	Valve 1/4"	07100024	07100024	07100134	07100134	1
14.	Valve support	01713041	01713041	01713041	01713041	1
15.	Right side plate sub-assy	01302004	01302004	01302004	01302004	1
16.	Wire clamp	71010103	71010103	71010103	71010103	2
17.	Insulation gasket	70410523	70410523	70410523	70410523	1
18.	Three-way terminal board	42011241	42011241	42011241	42011241	1
19.	Electric box	01413425	01413425	01413425	01413425	1
20	Capacitor (25uF/450VAC)	33000017	/	/	33000018	1
	Capacitor (30uF/450VAC)	/	33000018	/	/	
	Capacitor 22. 5 μ F/450V	/	/	33000002	/	
21.	Capacitor clamp	02143401	02143401	02143401	02143401	1
22	Capacitor (2. 5uF/450VAC)	33010026	/	33010026	33010026	1
	Capacitor (3uF/450VAC)	/	33010027	/	/	
23	Terminal board 2-8	42011103	42011103	/	42011103	1
	Terminal board 3-12	/	/	42011251	/	
24.	Isolation sheet sub-assy	01233417	01233417	01233417	01233417	1
25.	Condenser sub-assy	01133381	011031721	01133318	01133318	1
26.	Rear grill	01473030	01473030	01473030	01473030	1
27.	Top cover sub-assy	012532611	012532611	012532611	012532611	1
28.	Motor support	01703068	01703391	01703068	01703068	1
29.	Tapping screw ST4. 8X16	70140165	70140165	70140259	70140259	4
30	Motor (FW30H)	150130051	/	/	/	1
	Motor (FW48F)	/	150130391	/	/	
	Motor FW25E	/	/	15013151	/	
	Motor FW30K	/	/	/	15013067	
31.	Compressor over load	Built-in	00180006	00180035	Built-in	1
32.	Compressor pad	76710207	76710212	76710240	76710205	3

No.	Description	Part NO.				Qty.
		KF-26W/ NJ11	KF-26W/ NJ11	KFR-26W/ NJ11	KFR-26W/ NJ11	
1.	Front grill	22413431	22413431	22413431	22413431	1
2.	Nut M6	70310132	70310132	70310132	70310131	1
3.	Shim 6	70410252	70410252	70410252	70410252	1
4.	Axial flow fan	10333412	10333413	10333412	10333413	1
5.	Front panel	01533012	01533012	01533012	01533012	1
6.	Chassis sub-assy	012033241	012033343	012033241	012033241	1
7.	4-way valve	/	/	430004021	430004021	1
8.	Capillary sub-assy	03003092	03003672	03003094	03003094	1
9	Compressor and fitting C- RV167H01AA	00100355	/	00100355	00100355	1
	Compressor and fitting C- 1RV167H01AA	/	00100292	/	/	
10.	Nut with washer M8	70310012	70310014	70310012	70310012	3
11.	Big handle sub-assy	26233433	26233433	26233433	26233433	1
12.	Valve 3/8"	07100135	07100135	07100135	07100135	1
13.	Valve 1/4"	07100134	07100149	07100134	07100134	1
14.	Valve support	01713041	01713041	01713041	01713041	1
15.	Right side plate sub-assy	01302004	01302004	01302004	01302004	1
16.	Wire clamp	71010103	71010103	71010103	71010103	2
17.	Insulation gasket	70410525	70410523	70410523	70410523	1
18.	Three-way terminal board	42011241	42011241	42011241	42011241	1
19.	Electric box	01413425	01413425	01413425	01413425	1
20.	Capacitor (22. 5uF/450VAC)	33000002	33000002	33000002	33000002	1
21.	Capacitor clamp	02143401	02143401	02143401	02143401	1
22.	Capacitor(2. 5uF/450VAC)	33010026	33010026	33010026	33010026	1
23.	Terminal board 2-8	42011103	/	42011103	42011147	1
24.	Isolation sheet sub-assy	01233417	01233417	01233417	01233417	1
25.	Condenser sub-assy	01103001	01133018	01103124	01103124	1
26.	Rear grill	01473030	01473030	01473030	01473030	1
27.	Top cover sub-assy	012532611	01253448	012532611	012532611	1
28.	Motor support	01703068	01703002	01703068	01703068	1
29.	Tapping screw ST 4.8X16	70140165	70140165	70140165	70140165	4
30.	Motor	15013005	15013067	15013005	15013067	1
31.	Compressor over load	00180009	Built-in	00180009	00180009	1
32.	Compressor pad	76710212	76710224	76710212	76710212	3

No.	Description	Part NO.				Qty.
		KFR-26W/ NJ11	KFR-26W/ NJ11	KFR-26W/ NJ11	KFR-35W/NaJ11	
1.	Front grill	22413431	22413431	22413431	22413431	1
2.	Nut M6	70310132	70310132	70310132	70310132	1
3.	Shim 6	70410252	70410252	70410252	70410252	1
4.	Axial flow fan	10333413	10333413	10333413	10333412	1
5.	Front panel	01533012	01533012	01533012	01533012	1
6.	Chassis sub-assy	012033343	012032511	012032511	01203179	1
7.	4-way valve	430004021	430004021	430004021	430004022	1
8.	Capillary sub-assy	030031841	03003689	030031551	03003362	1
9	Compressor and fitting C-IRV167H	01AA 00100292	/	/	/	1
	Compressor and fitting CG633GB1	/	00100387	00100387	/	
	Compressor and fitting C-RV146H1	/	/	/	00100369	
10.	Nut with washer M8	70310014	70310014	70310014	70310014	3
11.	Big handle sub-assy	26233433	26233433	26233433	26233433	1
12	Valve 3/8"	07100135	07100135	07100135	/	1
	Valve 1/2"	/	/	/	07100006	
13.	Valve 1/4"	07100149	07100149	07100149	07100003	1
14.	Valve support	01713041	01713041	01713041	01713041	1
15.	Right side plate sub-assy	01302004	01302004	01302004	01302004	1
16.	Wire clamp	71010103	71010103	71010103	71010103	2
17.	Insulation gasket	70410523	70410523	70410523	70410523	1
18.	Three-way terminal board	42011241	42011241	42011241	42011241	1
19.	Electric box	01413425	01413425	01413425	01413425	1
20	Capacitor (22. 5uF/450VAC)	33000002	/	/	/	1
	Capacitor CBB65 35uF/450V	/	33010743	33010743	/	
	Capacitor 25 μ F/450V	/	/	/	33000017	
21.	Capacitor clamp	02143401	02143401	02140001	02143401	1
22	Capacitor (2. 5uF/450VAC)	33010026	33010026	33010026	/	1
	Capacitor 3uF/450VAC	/	/	/	33010027	
23.	Terminal board 2-8	42011103	42011103	42011103	42011103	1
24.	Isolation sheet sub-assy	01233417	01233417	01233417	01233417	1
25.	Condenser sub-assy	011030862	01103395	01133380	011333921	1
26.	Rear grill	11123401	11123401	11123401	01473030	1
27.	Top cover sub-assy	01253448	01253448	01253448	01253261	1
28.	Motor support	01703002	01703002	01703068	01703391	1
29.	Tapping screw ST 4.8X16	70140165	70140165	70140165	70140165	4
30.	Motor	15013067	15013067	15013067	15013039	1
31.	Compressor over load	Built-in	Built-in	Built-in	00180009	1
32.	Compressor pad	76710224	76710205	76710205	76710212	3

No.	Description	Part NO.				QTY.
		KF-35W/ NJ11	KFR-35W/ NJ11	KFR-35W/ NJ11	KFR-35W/ NJ11	
1.	Front grill	22413431	22413431	22413009	22413431	1
2.	Nut M6	70310132	70310132	70310132	70310131	1
3.	Shim 6	70410252	70410252	70410252	70410252	1
4.	Axial flow fan	10333412	10333412	10333412	10333413	1
5.	Front panel	01533012	01533428	01533433	01533012	1
6.	Chassis sub-assy	01203008	01203008	01203008	01203008	1
7.	4-way valve	/	430004021	430004021	430004021	1
8.	Capillary sub-assy	03003242	03003369	03003369	03003241	1
9	Compressor and fitting C- RV227H01AA	00100352	/	00100352	/	1
	Compressor and fitting C- RV237H01AA	/	00100353	/	00100353	
10.	Nut with washer M8	70310011	70310011	70310011	70310011	3
11.	Big handle sub-assy	26233433	26233433	26233433	26233433	1
12.	Gas valve	07100133	07100133	07100133	07100133	1
13.	Liquid valve	07100134	07100134	07100134	07100134	1
14.	Valve support	01713041	01713041	01713041	01713041	1
15.	Right side plate sub-assy	01302004	01302004	01302004	01302004	1
16.	Wire clamp	71010103	71010103	71010103	71010103	2
17.	Insulation gasket	70410525	70410523	70410523	70410523	1
18.	Three-way terminal board	42011241	42011241	42011241	42011241	1
19.	Electric box	01413425	01413425	01413425	01413425	1
20.	Capacitor(25uF/450VAC)	33000017	33000017	33000017	33000017	1
21.	Capacitor clamp	02143401	02143401	02143401	02143401	1
22.	Capacitor (3uF/450VAC)	33010027	33010027	33010027	33010027	1
23.	Terminal board 2-8	/	42011103	42011103	42011147	1
24.	Isolation sheet sub-assy	01233417	01233417	01233417	01233417	1
25.	Condenser sub-assy	01133049	01133049	01133049	01133049	1
26.	Rear grill	01473030	01473030	01473030	01473030	1
27.	Top cover sub-assy	012532611	01253261	01253261	012532611	1
28.	Motor support	01703068	01703068	01703068	01703068	1
29.	Tapping screw ST 4.8X16	70140165	70140165	70140165	70140165	4
30.	Motor	15013039	15013039	15013039	15013066	1
31.	Compressor over load	00180003	00180003	00180003	00180003	1
32.	Compressor pad	76710212	76710212	76710212	76710212	3

No.	Description	Part NO.			Qty.
		KF-35W/ NJ11	KFR-35W/ NJ11	KFR-35W/ NJ11	
1.	Front grill	22413431	22413431	22413009	1
2.	Nut M6	70310131	70310131	70310131	1
3.	Shim 6	70410252	70410252	70410224	1
4.	Axial flow fan	10333413	10333413	10333413	1
5.	Front panel	01533012	01533012	01533433	1
6.	Chassis sub-assy	01203052	01203052	01203052	1
7.	4-way valve	/	430004021	430004021	1
8.	Capillary sub-assy	03003603	03003604	030036031	1
9	Compressor and fitting YZG-39RY1	00100188	00100188	00100188	1
	Compressor and fitting C-RV227H0LAA	/	/	/	
10.	Nut with washer M8	70310011	70310011	70310011	3
11.	Big handle sub-assy	26233433	26233433	26233433	1
12.	Gas valve	07100133	07100133	07100133	1
13.	Liquid valve	07100134	07100134	07100134	1
14.	Valve support	01713041	01713041	01713041	1
15.	Right side plate sub-assy	01302004	01302004	01302004	1
16.	Wire clamp	71010103	71010103	71010103	2
17.	Insulation gasket	70410525	70410523	70410523	1
18.	Three-way terminal board	42011241	42011241	42011241	1
19.	Electric box	01413425	01413425	01413425	1
20	Capacitor CBB65 30 μ F/450V	33000018	33000018	33000018	1
	Capacitor CBB65 25uF/450V (440V)	/	/	/	
21.	Capacitor clamp	02143401	02143401	02143401	1
22.	Capacitor(3uF/450VAC)	33010027	33010027	33010027	1
23.	Terminal board 2-8	/	42011103	42011103	1
24.	Isolation sheet sub-assy	01233417	01233417	01233417	1
25.	Condenser sub-assy	011330492	01133049	01133049	1
26.	Rear grill	11123401	01473030	01473030	1
27.	Top cover sub-assy	012532611	012532611	012532611	1
28.	Motor support	01703068	01703068	01703068	1
29.	Tapping screw ST 4.8X16	70140165	70140165	70140165	4
30.	Motor	15013066	15013066	15013066	1
31.	Compressor over load	Built-in	Built-in	Built-in	1
32.	Compressor pad	76710256	76710256	76710256	3

No.	Description	Part NO.				Qty.
		KFR-45W/NJ11	KFR-45W/NJ11	KFR-35W/NaJ12S1	KFR-35W/NaJ12S2	
1.	Front grill	22413431	22413431	22413431	22413009	1
2.	Nut M6	70310132	70310131	70310131	70310131	1
3.	Shim 6	70410252	70410252	70410252	70410252	1
4.	Axial flow fan	10333412	10333413	10333413	10333413	1
5.	Front panel	01533012	01533012	01533012	01533433	1
6.	Chassis sub-assy	01203144	01203144	01203180	01203180	1
7.	4-way valve	430004031	430004031	430004032	430004032	1
8.	Capillary sub-assy	03003359	03003359	03003493	03003493	1
9	Compressor and fitting CHY33M C4-U	00100366	00100366	/	/	1
	Compressor and fitting C-RV133H1A	/	/	00100378	00100378	
10.	Nut with washer M8	70310014	70310014	70310014	70310014	3
11.	Big handle sub-assy	26233433	26233433	26233433	26233433	1
12.	Gas valve	07100133	07100133	07100006	07100006	1
13.	Liquid valve	07100134	07100134	07100003	07100003	1
14.	Valve support	01713041	01713041	01713043	01713041	1
15.	Right side plate sub-assy	01302004	01302004	01302004	01302004	1
16.	Wire clamp	71010103	71010103	71010103	71010103	2
17.	Insulation gasket	70410523	70410523	70410523	70410523	1
18.	Three-way terminal board	42011113	42011113	42011241	42011241	1
19.	Electric box	01413425	01413425	01413425	01413425	1
20	Capacitor 50 μ F/450V	33000001	33000001	/	/	1
	Capacitor 25 μ F/450V	/	/	33000017	33000017	
21.	Capacitor clamp	02143401	02143401	02143401	02143401	1
22	Capacitor 3 μ F/450VAC	33010027	33010027	/	/	1
	Capacitor 2.5 μ F/450VAC	/	/	33010026	33010026	
23.	Terminal board 2-8	42011103	42011103	43011103	42011103	1
24.	Isolation sheet sub-assy	01233417	01233417	01233417	01233417	1
25.	Condenser sub-assy	01105020	01135001	011333921	011333921	1
26.	Rear grill	01473030	01473030	01473030	01473030	1
27.	Top cover sub-assy	012532611	012532611	012532611	012532611	1
28.	Motor support	01703391	01703391	01703391	01703391	1
29.	Tapping screw ST 4.8X16	70140259	70140165	70140259	70140259	4
30.	Motor	15013039	15013066	150130671	150130671	1
31.	Compressor over load	Built-in	Built-in	00180043	00180043	1
32.	Compressor pad	76710202	76710202	76710224	76710224	3

No.	Description	Part NO.				Qty.
		KF-35W/NJ21	KFR-35W/NJ21	KF-45W/NJ21	KFR-45W/NJ21	
1.	Front grill	22413431	22413431	22413431	22413431	1
2.	Nut M6	70310131	70310132	70310132	70310132	1
3.	Shim 6	70410252	70410252	70410252	70410252	1
4.	Axial flow fan	10333412	10333412	10333412	10333412	1
5.	Front panel	01533012	01533012	01533012	01533012	1
6.	Chassis sub-assy	01203008	01203008	01203144	01203144	1
7.	4-way valve	/	430004021	/	430004031	1
8.	Capillary sub-assy	03003242	03003241	03003359	03003359	1
9	Compressor and fitting C-RV227H01AA	00100352	/	/	/	1
	Compressor and fitting C-RV237H01AA	/	00100353	/	/	
	Compressor and fitting CHY33MC4-U	/	/	00100366	00100366	
10.	Nut with washer M8	70310011	70310011	70310014	70310014	3
11.	Big handle sub-assy	26233433	26233433	26233433	26233433	1
12.	Gas valve	07100133	07100133	07100133	07100133	1
13.	Liquid valve	07100134	07100134	07100134	07100134	1
14.	Valve support	01713041	01713041	01713041	01713041	1
15.	Right side plate sub-assy	01302004	01302004	01302004	01302004	1
16.	Wire clamp	71010103	71010103	71010103	71010103	2
17.	Insulation gasket	70410523	70410523	70410523	70410523	1
18.	Three-way terminal board	42011241	42011241	42011113	42011113	1
19.	Electric box	01413425	01413425	01413010	01413010	1
20	Capacitor 25uF/450V	33000017	33000017	/	/	1
	Capacitor 50uF/440V	/	/	33000001	33000001	
21.	Capacitor clamp	02143401	02143401	02143401	02143401	1
22.	Capacitor 3uF/450VAC	33010027	33010027	33010027	33010027	
23.	Terminal board 2-8	/	42011103	/	42011103	1
24.	Isolation sheet sub-assy	01233417	01233417	01233417	01233417	1
25.	Condenser sub-assy	01133049	01133049	01105023	01135001	1
26.	Rear grill	01473030	01473030	01473030	01473030	1
27.	Top cover sub-assy	012532611	012532611	012532611	012532611	1
28.	Motor support	01703068	01703068	01703391	01703391	1
29.	Tapping screw ST 4.8X16	70140165	70140165	70140165	70140165	4
30.	Motor	15013039	15013039	15013039	15013039	1
31.	Compressor over load	00180003	00180003	Built-in	Built-in	1
32.	Compressor pad	76710202	76710202	76710202	76710202	3

The above data are subject to change without notice.

10 Care and maintenance

Warning

- Turn power off and pull out the power plug before cleaning air conditioner. Or it may cause the electric shock.
- Never dampen the air conditioner, it can cause the electric shock. And never sprinkle water on the unit.
- Volatile liquid (e.g. thinner or gasoline) will damage the air conditioner. (So wipe the units with a dry soft cloth, or a cloth slightly moistened with water or cleanser.)



10.1 Clean the surface panel

1 Take down the front panel

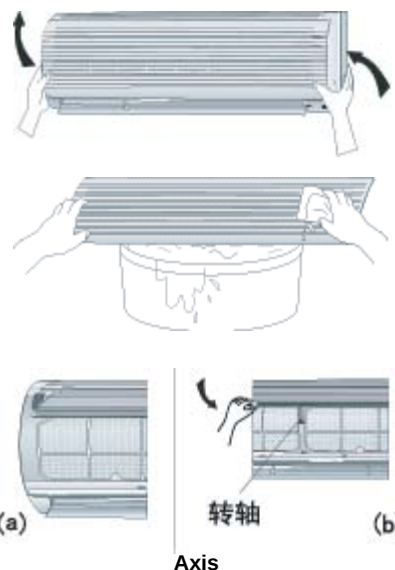
Along the direction of arrows to pull of the front pannel an angle from the slots of the front pannel,then pull down the air filter and take it out.

2 Clean the front panel

Use a soft brush with little water and detergent to clean, then to dry it in the shade.

3 To install the front panel

To insert the supports of both sides into the supports' slot, and put the middle axis into the groove, then along the arrow direction to recover the front panel cover and clasp it.



10.2 Clean the filter

1 Take down the filter

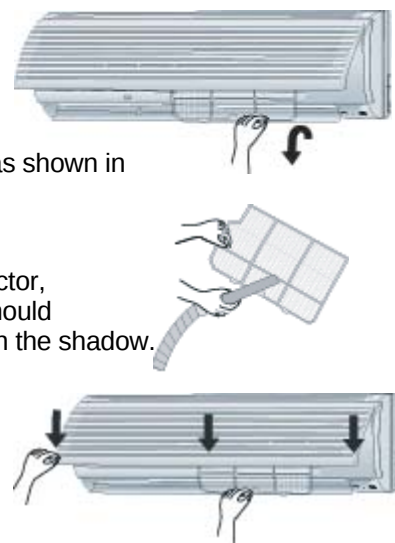
Along the direction of arrows to pull of the front pannel an angle from the slots of the front pannel,then pull down the air filter and take it out, as shown in the right Fig.

2 Cleaning

To clear the dust adhering to the filters, you can either use a dust collector, or wash them with warm water(the water with the neutral deter-gent should below 45 °C) when the filters are very dirty(such as oil stain),and dry it in the shadow. As shown in the right Fig.

3 Reinsert the filter

Reinsert the filters with side marked , pay attention to the front side, then to clasp the front panel cover.



NOTE:

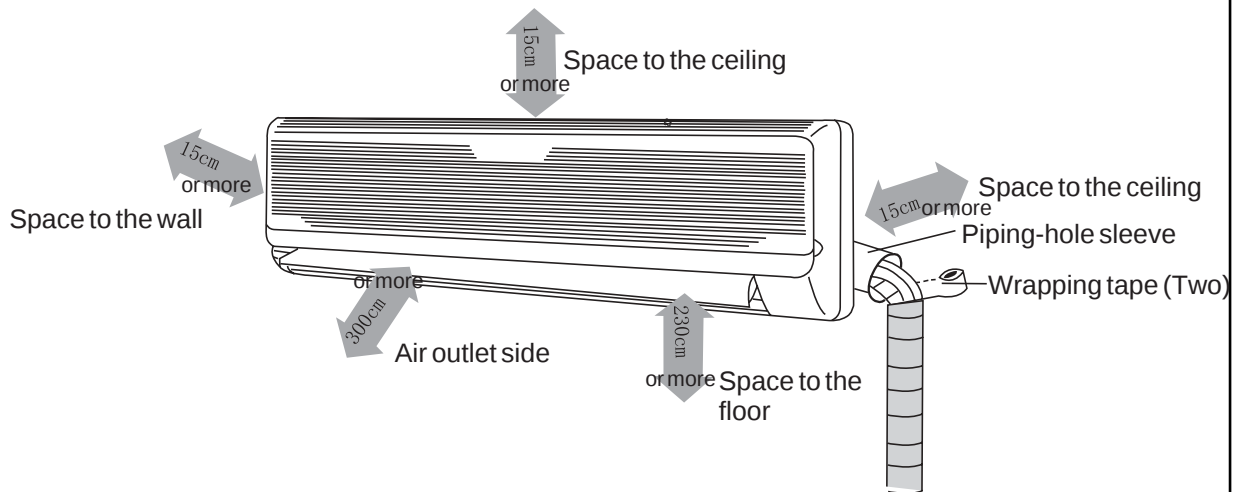
Never to put the front panel or filter directly under the sun.

Never use water above 45 °C to wash the filters, or it could cause deformation or discoloration.

Never parch it by fire, or it could cause a fire or deformation.

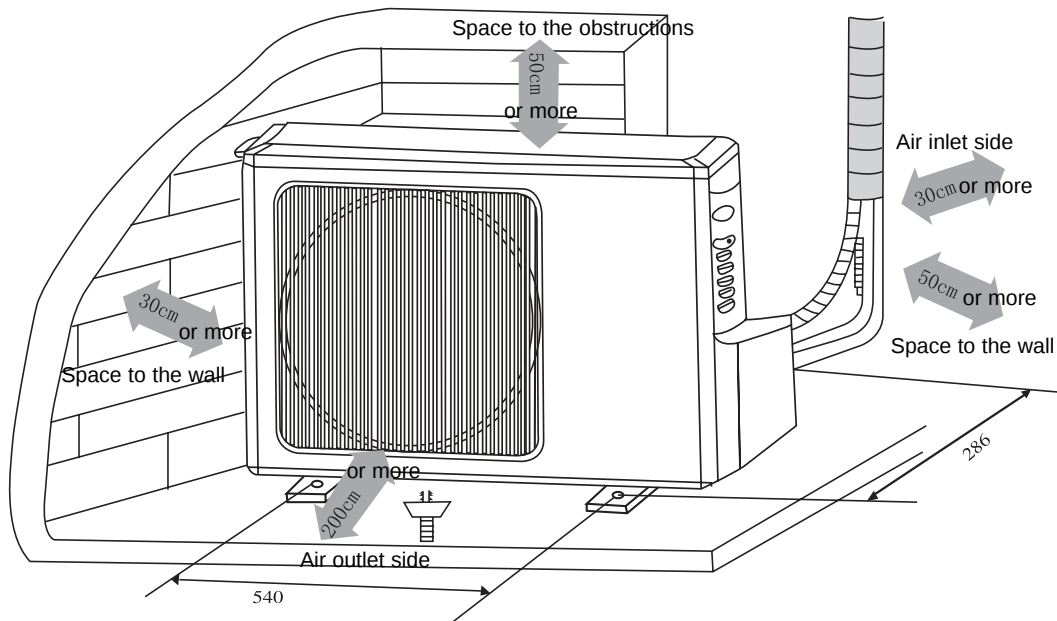
11 Guide for installation

11.1 Guide for installation



Important Notes

- ★ The installation must be done by trained and qualified service personnel with reliability according to this manual.
- ★ Contact service center of GREE before installation to avoid the malfunction due to unprofessional installation.
- ★ When picking up and moving the units, you must be guided by trained and qualified personnel.
- ★ The distance between the air outlet vent and heat source, or inflammables should be more than 50cm.



11. 1 Selection of installation location

1 Indoor unit

- The inlet and outlet should be far away from the obstructions so that the outflow air can reach all parts of the room;
- Install in a location connect with the outdoor unit easily;
- Install in a location from which the condensation water can be drained out conveniently;
- Avoid a location where there is heat source, steam or inflammable gas;
- Install in a location where is strong enough to withstand the full weight and vibration of the unit;
- Be sure that the installation conforms to the installation dimension diagram;
- Be sure to leave enough space to allow access for routine maintenance, the height between the indoor unit and outdoor unit should be more than 200cm;
- Select a place about 1 meter away from the TV set or any other electric appliances;
- The place where the air filter can be easily taken out.
- Avoid to use the unit in the places near the laundry, bathroom, or swimming pool.

2 Outdoor unit

- Select a place from which noise and outflow air emitted by unit will not inconvenience neighbors.
- Select a location where there should be sufficient ventilation.
- There should be no obstructions block the air inlet and air outlet vents near the outdoor unit.
- The location should be able to withstand the full weight and vibration of the outdoor unit and permit safe installation.
- There should be no danger of flammable gas or corrosive gas leaks.
- Be sure that the installation conforms to the installation dimension diagram.

NOTE:

Install in the following place may cause malfunction. If it is unavoidable, contact the dealer please.

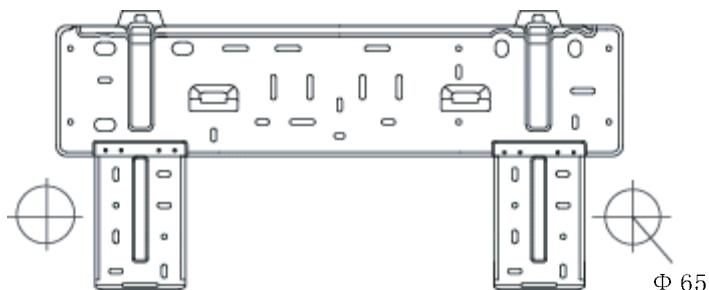
- The place where oil (machine oil) is used.
- The place where a lot of salinities such as coast exists.
- The place where a sulfured gas such as the hot spring zones is generated.
- The place where high-frequency waves are generated by radio equipment, welders and medical equipment.
- Other place with special circumstance.



11.2 Install the indoor unit

1 Install the wall mounting plate

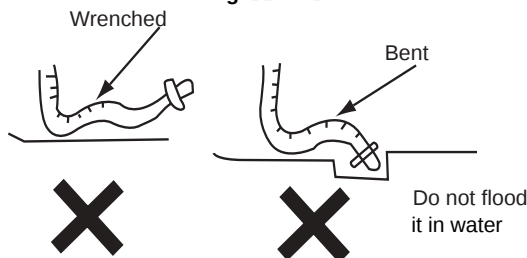
- Measure horizon by handling line or horizontal measurement. Since drainage pipe hole is on left side, when adjusting panel, the left should never be higher; it is better to make it lower.
- Fix the wall mounting plate on the selected location with screws.
- Pull the rear panel by hands after installation to see if it is firm enough. The rear panel should be able to stand the weight of an adult (60kg) and the weight should be evenly shared by each screw.



2 Install drainage hose

- Drainage hose must be placed at a downward slant for smooth drainage.
- Do not wrench, bend or heave the hose or flood its end by water.

Fig. 11 - 1



3 Open piping hole

- Drill a hole outward at a slant after accertaining location piping hole as in fig.11-1. Φ 65
- In order to prevent pipe and cable from damaging when going through the hole, install wall sleeve.

4 Install connection pipe

- Connect the connection pipe with two leading pipes from indoor unit, and then tighten the joint nuts on connection pipe.

NOTE:

- Connect connection pipes with indoor unit first and then outdoor unit.
- Bend the connection pipe carefully or it would be damaged.
- Don't tighten the joint nut too much or leakage would occur.

5 Electric wiring

- Open front panel upwardly.
- Take off covering plate.
- To pull out the power conneting cable from the back of the indoor unit, and put it through the wire hole, then connect with the power cable.
- As shown in Fig.11-2, connect the blue wire of power connect wire onto terminal "N", red wire onto terminal "2", brown onto terminal "3" and yellow-green one (earth wire) to terminal "⏏".
- Recover the wire covering plate.
- Cover the front panel.
- For heat pump type unit, to fix the signal control cable on the chassis by using wire clamp.

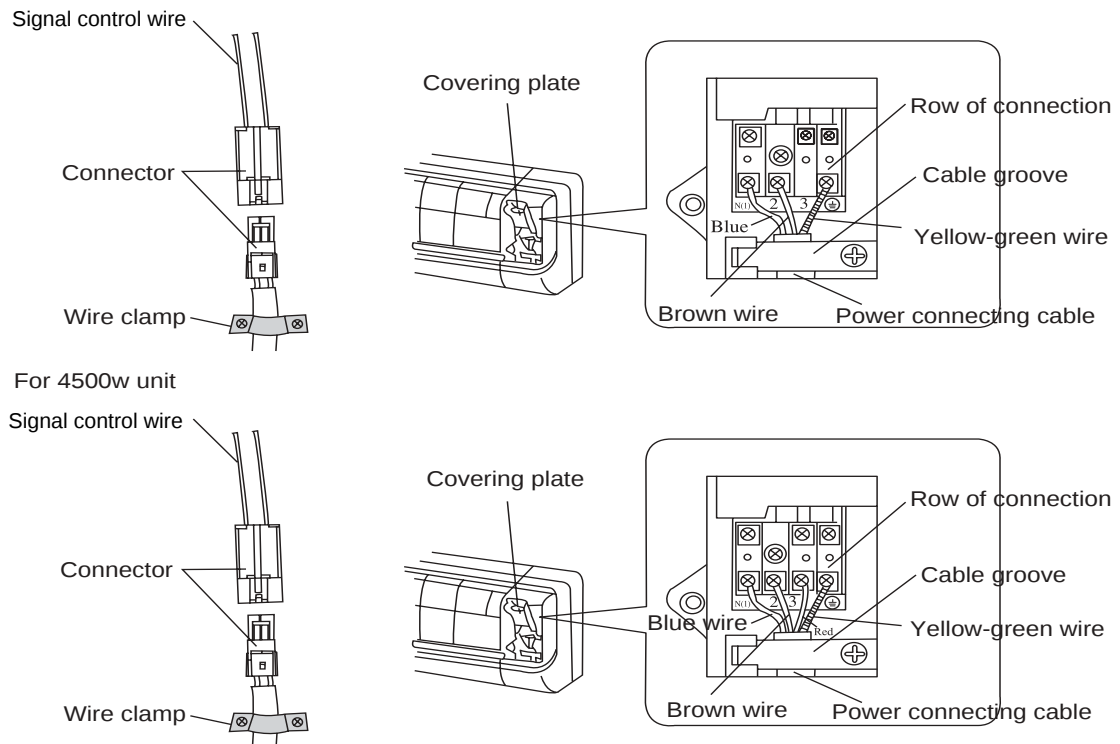


Fig.11-2

NOTE:

- All electric installation must be done by professional personnel according to local law, regulation and this manual.
- Power cable adopts Y type, if the power cable damaged, in order to avoid the danger, make sure to ask the manufacturer, after sales dealer or professional to replace.
- The power supply must adopt rated voltage and exclusive circuit for air conditioner.
- The creepage switch and air switch with suitable capacity must be installed, the 10A air switch is fit for the cooling capacity lower than 2500W unit (including 2500W), if the unit with cooling capacity higher than 2500W, the 16A air switch should be used.

6 Install indoor unit

- When routing the pipe (wiring) from the left or right side, cut off the tailings of the left pipe on base of main unit. (as shown in Fig.11-3)

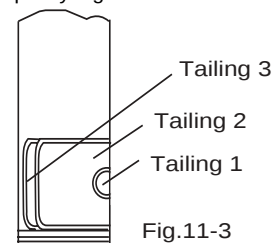


Fig.11-3

- ① Cut off tailing 1, tailing 2 only power cable is routed;
 - ② Cut off tailing 1, tailing 2 when connection pipe and power cord are routed;
- After wrapped piping and wiring, pull them through the piping hole; As shown in Fig.11-4
 - Put two claws which behind the indoor unit, to hang on the clamp of the wall mounting plate, and to move the unit left and right, to see it is firm or not.
 - Ensure that the install height of indoor unit is 2.3m or more.

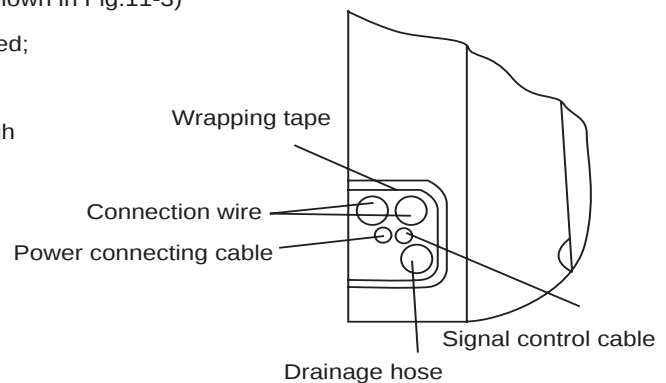


Fig.11-4

11.3 Install outdoor unit

1 Install connection pipe

- Align the flare of connection pipe to the joint flare of corresponding valve.
- Tighten nuts on connection pipe forcibly then tighten it by spanner as shown in right figure.

NOTE: Too great of torque would damage nuts.

Refer the following list for tighten torque

Diameter of nut (mm)	Torque wrench (N · m)
Φ 6	15~20
Φ 9.5	31~35
Φ 12	50~55

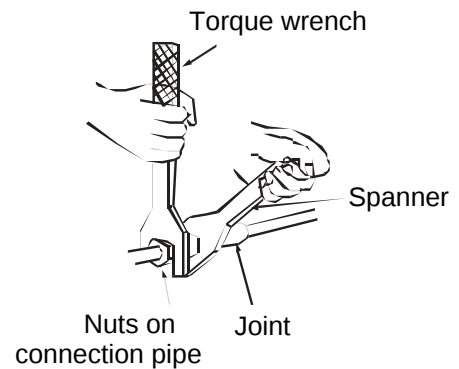


Fig.11-5

2 Wiring connection

- Disassemble the handle on the right side plate of the outdoor unit. (one screw)
- Disassemble the wire clamp, connect the power connecting cable onto the terminal and fix well. The wiring layout should be accord with indoor unit, to cut off the tailing of wire hole on the right side plate, then to put on the loop.
- To fix the power connecting cable with wire clamp, for cooling and heating unit, need to fix the signal control cable with wire clamp, then connect the corresponding connector.
- Make sure that the wiring are fixed well or not.
- Install the handle. (fixed by one screw)

The synop for terminal connection

Terminal	Wire
N(1)	Blue
2	Brown
3	Red
	Yellow-green

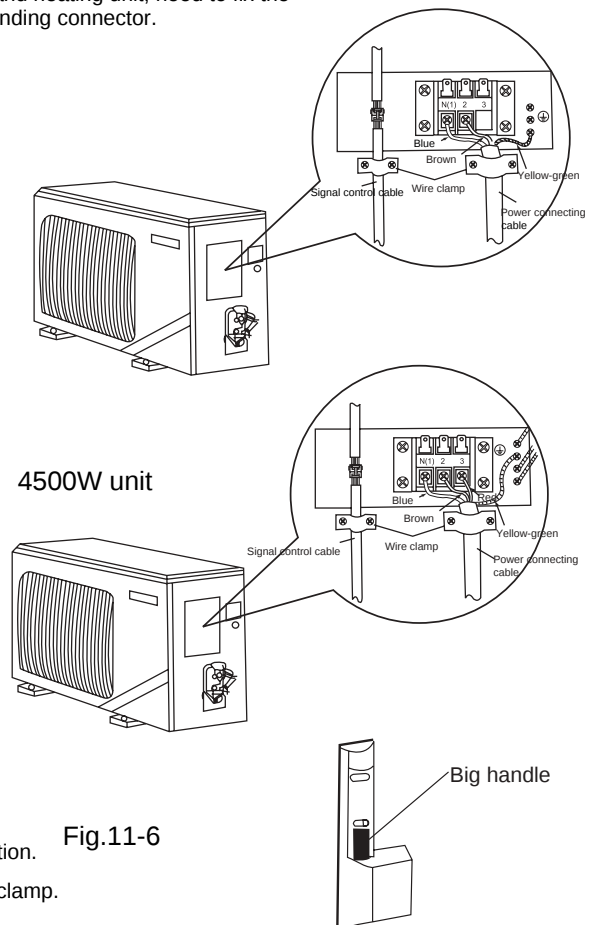


Fig.11-6

NOTE:

- Wrong wiring connection may cause electric appliance malfunction.
- Don't pull the electrical wire which had been fixed well by wire clamp.

3 Air purging and leakage test

- Remove the fluorine charging nuzzle nuts cap on the gas valve.
- Align the center charging flexible tube which is on the vacuum gauge with the low(Lo)pressure port, then connect to the fluorine charging nuzzle. (As shown in Fig.11-8)
- Start up the vacuum pump, when the hand pointed 1 bar, to close the low pressure (Lo) handle tightly, and stop the vacuumizing. And keep more than 15 minutes, make sure that the pressure of vacuum gauge is unchanged.
- Remove the valve caps of the gas valve and liquid valve.
- Slightly to loose the liquid valve stem with hex wrench, until the pressure of vacuum pump rise up to 0 bar above.
- Unhitch the charging pipe away from the fluorine charging nuzzle, and tighten the nut cap of the charging nuzzle.
- Open the valve stem of liquid valve and gas valve, with hex wrench.
- Tighten the valve caps of gas valve and liquid valve, and check the air leakage.

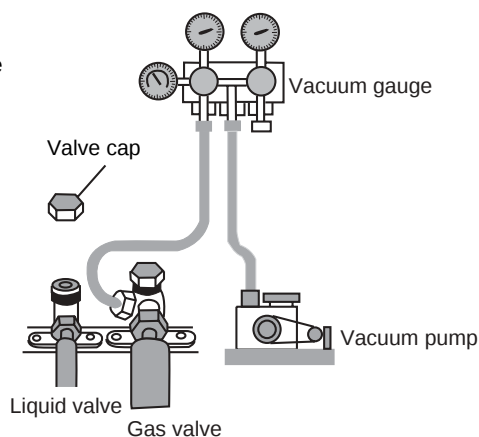


Fig.11 — 7

4 Outdoor condensation drainage (Heat pump type only)

- When the unit is heating, the condensing water and defrosting water formed in the outdoor unit can be drained out reliably through the drain hose.

Installation method:

Install the outdoor drain elbow in the hole on $\phi 25$ hole on the base plate as shown in right figure, and joint the drain hose to the elbow, so that the waste water formed in the outdoor unit can be drained out to a proper place.

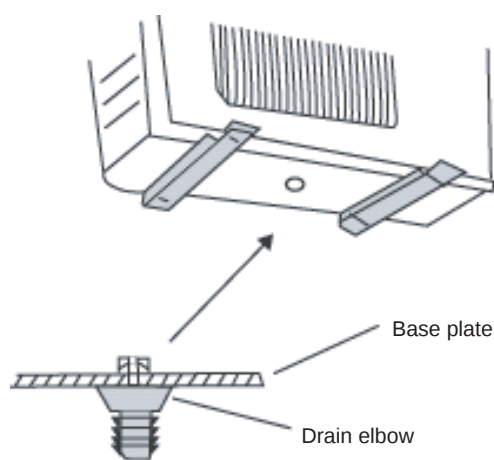


Fig.11-8

11.4 Test operation and check after installation

① Test operation

1. Before test operation

- Do not switch on power before installation is finished completely.
- Electric wiring must be connected correctly and securely.
- Cut-off valves should be opened.
- All the impurities such as scraps and thrums must be cleared from the unit.
- Open the front panel, set "Run" mode by the manual switch.

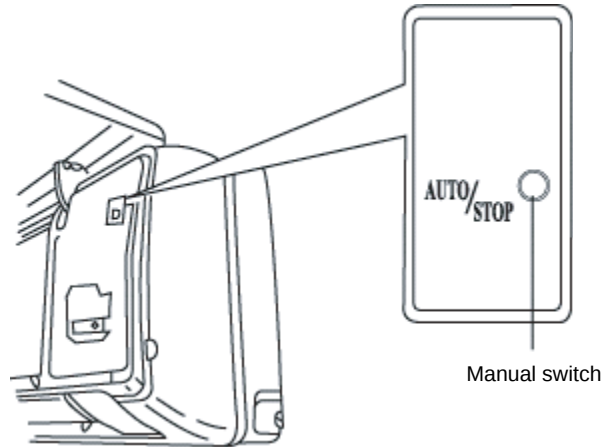


Fig. 11 - 9

2. Test operation method

- Switch on power and press "1/0" button on the wireless remoter control.
- Press "MODE" button, select  ,  ,  , to observe whether the running is normal or not.
- Emergency operation

If the wireless remote control is lost, emergency running can be operated as follow:

- (1) To set "AUTO" mode by manual switch, unit will automatically to select mode according to the room temp.by microcomputer.
- (2) In the running mode, to set the manual switch to "STOP", unit will stop running.

② Check after installation

Items to be checked	Possible malfunction	Remarks
Has it been fixed firmly?	The unit may drop, shake or emit noise.	
Have you done the refrigerant leakage test?	It may cause insufficient refrigeration capacity.	
Is heat insulation sufficient?	It may cause condensation and dripping.	
Does the unit drain well?	It may cause condensation and dripping.	
Is the voltage in accordance with the rated voltage marked on the nameplate?	It may cause electric malfunction or damage the part.	
Is the electrical wiring and piping connection installed correctly and securely?	It may cause electric malfunction or damage the part.	
Has the unit been connected to a secure earth connection?	It may cause electrical leakage	
Is the power cord specified?	It may cause electric malfunction or damage the part.	
Has the inlet and outlet been covered?	It may cause insufficient refrigerating capacity.	
Has the length of connection pipes and the refrigerant charge been recorded?	The refrigerant capacity is not accurate.	

