
Hisense

Version: 1.5

Portable Air Conditioner

SERVICE MANUAL



Hisense Corporation

MODEL:

AP-05CR1SEJS1	AP-07CR1SEJS1
AP-09CR1SEJS	AP-10CR1SEJS
AP-14DR1SFJS2	AP-13HR1SGRS00
AP-08CR1SHQS00	AP-10CR1SGRS00
AP-10CW1SGRS00	AP-12CR1SGRS00
AP-14CR1SFTS00	AP-14DR1SFTS02
AP-12CR1SEJS	AP-12CR4SFJS1
AP-14HR1SFTS00	AP-12CR4SFMS00
AP-09CR4SFMS01	AP-12CR4RFJS00
+AP-09HR4GFMS01	+AP-12HR4GFMS00
+AP-09CR4GFMS00	+AP-12CR4GFMS00
+AP-09CR4GEJS00	+AP-09CR4GEPS00
AP-12HR4SEJS00	+AP-09HR4GFTS01
+AP-12CR4GFJS00	+AP-09HR4GFJS01
+AP-09CR4GELS00	+AP-09HR4GFLS01
+AP-12CR4GFLS00	+AP-12HR4GFJS00

NOTE:

The letter "J" 、 "L" 、 "P" 、 "M" in model is code of front panel. In one model, the code can be show as "J" 、 "L" 、 "P" 、 "M" .

Contents

1. Safety Considerations	4
2. Product Specifications.....	6
3. Product Picture and Drawing	16
3-1. Product Pictures.....	16
3-2. Product dimensions	30
4. Installation Instruction.....	19
4-1. Installation Instruction.....	19
4-2. Electric Wiring Diagram	25
4-3. Refrigerant Flow System.....	28
4-4. Test Running.....	29
5. Function Operation	30
5-1. Operation Range (cooling and heating)	30
5-2. Remote Controller Operation & Function.....	30
5-3. Function Instruction.....	31
6. Electrical Characteristics.....	38
6-1. Print Circuit Board.....	38
6-2. Temperature Sensor	41
7.Trouble Shooting.....	43
7-1.Trouble Shooting	43
7-2. Error Code Table.....	44

1. Safety Considerations

IMPORTANT!

Please Read Before Starting

This air conditioning system meets strict safety and operating standards. As the installer or service person, it is an important part of your job to install or service the system, so it operates safely and efficiently.

For safe installation and trouble-free operation, you must:

- Carefully read this instruction booklet before beginning.
- Follow each installation or repair step exactly as shown.
- Observe all local, state, and national electrical codes.
- Pay close attention to all warning and caution notices given in this manual.



WARNING

This symbol refers to a hazard or unsafe practice which can result in severe personal injury or death.



CAUTION

This symbol refers to a hazard or unsafe practice which can result in personal injury or product or property damage.

If Necessary, Get Help

These instructions are all you need for most installation sites and maintenance conditions. If you require help for a special problem, contact our sales/service outlet or your certified dealer for additional instructions.

In Case of Improper Installation

The manufacturer shall in no way be responsible for improper installation or maintenance service, including failure to follow the instructions in this document.

SPECIAL PRECAUTIONS

When Wiring

WARNING



ELECTRICAL SHOCK CAN CAUSE SEVERE PERSONAL INJURY OR DEATH. ONLY A QUALIFIED, EXPERIENCED ELECTRICIAN SHOULD ATTEMPT TO WIRE THIS SYSTEM.

- Do not supply power to the unit until all wiring and tubing are completed or reconnected and checked.
- Highly dangerous electrical voltages are used in this system. Carefully refer to the wiring diagram and these instructions when wiring. Improper connections and inadequate grounding can cause accidental injury or death.
- Ground the unit following local electrical codes.
- Connect all wiring tightly. Loose wiring may cause overheating at connection points and a possible

firehazard.

When Transporting

Be careful when picking up and moving the indoor and outdoor units. Get a partner to help, and bend your knees when lifting to reduce strain on your back. Sharp edges or thin aluminum fins on the air conditioner can cut your fingers.

When Servicing

△ Turn the power OFF at the main power box (mains) before opening the unit to check or repair electrical parts and wiring.

△ Keep your fingers and clothing away from any moving parts.

△ Clean up the site after you finish, remembering to check that no metal scraps or bits of wiring have been left inside the unit being serviced.

Others



△ Ventilate any enclosed areas when installing or testing the refrigeration system. Escaped refrigerant gas, on contact with fire or heat, can produce dangerously toxic gas.

△ Confirm upon completing installation that no refrigerant gas is leaking. If escaped gas comes in contact with a stove, gas water heater, electric room heater or other heat source, it can produce dangerously toxic gas.

NOTE:

The figure, size and parameter of the product may not be identical with the service manual, please take the actual product as the standard.

2. Product Specifications

Model No.		AP-05CR1SEJS1	AP-07CR1SEJS1	AP-09CR1SEJS	AP-10CR1SEJS
Type		C/O	C/O	C/O	C/O
Ratings					
Cooling Capacity	W	1465	2052	2638	2930
Heating Capacity	W	/	/	/	/
Input-Cooling	W	580	835	930	1160
Input-Heating	W	/	/	/	/
Rated Input-Cooling	W	/	/	/	/
Rated Input-Heating	W	/	/	/	/
Air Circulation	CMH Max	320	320	340	340
EER for Cooling	W/W	2.52	2.46	2.84	2.53
COP for Heating	W/W	/	/	/	/
Refrigerant		/	/	R410A	R410A
Refrigerant charge volume	g	310	430	470	500
Indoor Unit Noise Level	High(dB (A))	55	55	51	55
	Low(dB (A))	52	52	49	52
Outdoor Unit Noise Level	dB (A)	/	/	/	/
Power Supply					
Voltage, Frequency, Phase		115V~,60Hz,1P	115V~,60Hz,1P	115V~,60Hz,1P	115V~,60Hz,1P
Current	Cooling (A)	6	7.5	8.5	10.6
	Heating (A)	/	/	/	/
Rated Current	Cooling (A)	/	/	/	/
	Heating (A)	/	/	/	/
LRA	A	/	/	38	36
System					
Compressor type		Rotary	Rotary	Rotary	Rotary
Compressor Model No.		39B131AA&54KA	39A171AD&5DKB	39A171AA&5^KB	39A201AD&59KB
Compressor MFG		RECHI	RECHI	RECHI	RECHI
Expansion Device		Capillary	Capillary	Capillary	Capillary
Evaporator		Copper tube and Aluminum Fin	Copper tube and Aluminum Fin	Copper tube and Aluminum Fin	Copper tube and Aluminum Fin

Condenser		Copper tube and Aluminum Fin	Copper tube and Aluminum Fin	Copper tube and Aluminum Fin	Copper tube and Aluminum Fin
Features					
Display on Front Panel		Yes	Yes	Yes	Yes
LCD Wireless Remote Controller		Yes	Yes	Yes	Yes
Removable and washable Panel		NA	NA	NA	NA
Washable PP Filter		Yes	Yes	Yes	Yes
24 Hours Timer		Yes	Yes	Yes	Yes
3 Speed and Auto Indoor Fan Control		Yes	Yes	Yes	Yes
Vertical Auto Swing Louver		Yes	Yes	Yes	Yes
Manual Adjustable Horizontal Swing Louver		NA	NA	NA	NA
Sleep Operation		Yes	Yes	Yes	Yes
Smart Function		Yes	Yes	Yes	Yes
Super Function		Yes	Yes	Yes	Yes
Auto Restart		Yes	Yes	Yes	Yes
Other					
Net Dimensions WxHxD (mm)	Indoor Unit	430x695x325	430x695x325	430x695x325	430x695x325
	Outdoor Unit	/	/	/	/
Net Weight (Kg)	Indoor Unit	22.5	24.5	25	27
	Outdoor Unit		/	/	/
Packing Dimensions WxHxD (mm)	Indoor Unit	480x880x380	480x880x380	480x880x380	480x880x380
	Outdoor Unit	/	/	/	/
Gross Weight (Kg)	Indoor Unit	30	31.9	30	32
	Outdoor Unit	/	/	/	/

Model No.		AP-14DR1SFJS2 AP-14DR1SFTS02
Type		H/C
Ratings		
Cooling Capacity	W	4103
Heating Capacity	W	/

Input-Cooling	W	1350
Input-Heating	W	1350
Rated Input-Cooling	W	/
Rated Input-Heating	W	/
Air Circulation	CMH Max	473
EER for Cooling	W/W	3.04
COP for Heating	W/W	/
Refrigerant		R410A
Refrigerant charge volume	g	640
Indoor Unit Noise Level	High(dB (A))	55(Sound pressure)
	Low(dB (A))	53(Sound pressure)
Outdoor Unit Noise Level	dB (A)	/
Power Supply		
Voltage, Frequency, Phase		115V~,60Hz,1P
Current	Cooling (A)	11.8
	Heating (A)	12
Rated Current	Cooling (A)	/
	Heating (A)	/
LRA	A	50.5
System		
Compressor type		Rotary
Compressor Model No.		44A261AG&FJKC
Compressor MFG		RECHI
Expansion Device		Capillary
Evaporator		Copper tube and Aluminum Fin
Condenser		Copper tube and Aluminum Fin
Features		
Display on Front Panel		Yes
LCD Wireless Remote Controller		Yes
Removable and washable Panel		NA
Washable PP Filter		Yes
24 Hours Timer		Yes
3 Speed and Auto Indoor Fan Control		Yes
Vertical Auto Swing Louver		Yes
Manual Adjustable Horizontal Swing Louver		NA
Sleep Operation		Yes

Smart Function		Yes
Super Function		Yes
Auto Restart		Yes
Other		
Net Dimensions WxHxD (mm)	Indoor Unit	442x750x382
	Outdoor Unit	/
Net Weight (Kg)	Indoor Unit	34
	Outdoor Unit	/
Packing Dimensions WxHxD (mm)	Indoor Unit	505x885x430
	Outdoor Unit	/
Gross Weight (Kg)	Indoor Unit	39
	Outdoor Unit	/

Hisense Model	AP-14CR1SFTS00	AP-14DR1SFTS00	AP-14HR1SFJS00	AP-14HR1SFTS00
Refrigerant type	R410A	R410A	R410A	R410A
Gas charge	22.5oz	22.5oz	22.5oz	0.605kg
Unit Specifications and Performance				
Ratings				
BTU - Cool(SCC)	14,000	14,000	14,000	14,000
BTU - Heat(Watts)	NO	1350W	11000BTU	12,000
Energy Efficiency Rating; Cooling(SCE)	10	10	10	9.1 W/W
Energy Star	No	No	No	No
Heating Rating Conditions	N/A	N/A	N/A	3
Design pressure high side (PSIG)	600	600	600	4.15 MPa
Design pressure low side (PSIG)	236	236	236	1.6 MPa
Cooling Rating Conditions	ASHRAE-128-2001	ASHRAE-128-2001	ASHRAE-128-2001	ASHRAE-128-2001
Sound (dBA High)	53	53	54	54
Sound (dBA Medium)	52	52	53	/
Sound (dBA Low)	51	51	52	51
Air Flow on High (CFM)	278	278	278	278
Air Flow on Medium (CFM)	237	237	237	237
Air Flow on Low (CFM)	204	204	204	204
Compressor Type	Rotary	Rotary	Rotary	Rotary
Brand	RECHI	RECHI	RECHI	LG
Compressor	44A261AG&FJKC	44A261AG&FJKC	44A261AG&FJKC	GKN110CAA
Expansion Device	capillarytube	capillarytube	capillarytube	capillarytube

Evaporator	Copper tube and blue aluminum fins (hydrophilic)	Copper tube and blue aluminum fins (hydrophilic)	Copper tube and blue aluminum fins (hydrophilic)	Copper tube and blue aluminum fins (hydrophilic)
Condenser	Copper tube and aluminum fins (bare)	Copper tube and aluminum fins (bare)	Copper tube and blue aluminum fins (hydrophilic)	Copper tube and blue aluminum fins (hydrophilic)
Unit Control type	Electronic	Electronic	Electronic	Electronic
Fan Control	Button	Button	Button	Button
Thermostat Control	Button	Button	Button	Button
Display Type	LED	LED	LED	LED
Sleep Mode	Yes(on the controller)	Yes(on the controller)	Yes(on the controller)	Yes(on the controller)
Dry Mode (auto speed only)	Yes	Yes	Yes	Yes
Water Full Indicator	Yes	Yes	Yes	Yes
Auto Cool (auto fan in cooling)	Yes(on the controller)	Yes(on the controller)	Yes(on the controller)	Yes(on the controller)
Smart Mode (remote access)	Yes(on the controller)	Yes(on the controller)	Yes(on the controller)	Yes(on the controller)
Rapid Cool(Jet) Mode (lowest temp & high speed) - Remote only	Yes(on the controller)	Yes(on the controller)	Yes(on the controller)	Yes(on the controller)
Fan Only	Yes - 3 Speed	Yes - 3 Speed	Yes - 3 Speed	Yes - 3 Speed
Anion	NO	NO	NO	NO
Cooling Speed Selections	3	3	3	3
Timer- (24 Hr On/Off)	Yes- (24 Hr on/off - 10 minutes Increments up to 24 Hrs)	Yes- (24 Hr on/off - 10 minutes Increments up to 24 Hrs)	Yes- (24 Hr on/off - 10 minutes Increments up to 24 Hrs)	Yes- (24 Hr on/off - 10 minutes Increments up to 24 Hrs)
Clock	on the remote controller	on the remote controller	on the remote controller	on the remote controller
Air Swing (Motorized - Upward & Downward Motion)	Yes	Yes	Yes	Yes
Auto-Restart	Yes	Yes	Yes	Yes
Room Temperature Display Units (F or C) factory default	Yes	Yes	Yes	Yes
Fahrenheit to Celsius function	Yes	Yes	Yes	Yes
Vent System	Single Duct	Single Duct	Single Duct	Single Duct
Volts	115	115	115	115
Frequency (Hz)	60	60	60	60
Amps (Cooling)	11.8	11.8	11.8	12
Watts (Cooling)	1350	1350	1350	1370
L.R.A of compressor (A)	50.5	50.5	50.5	52
Fuse Size (Amps)	15	15	15	15

Power Cord Length - Cabinet to Wall	4ft.	4ft.	4ft.	4ft.
Power Cord Color	Black	Black	Black	Black
Power Plug Type (AMP/Plug)	LCDI(5-15P)	LCDI(5-15P)	LCDI(5-15P)	LCDI(5-15P)
Height (mm)	750	750	750	750
Width (mm)	443	443	443	443
Depth (mm)	375	375	375	375
Net Weight (kg)	35.8	36.3	36.8	36.8
Shipping Weight (kg)	38.8	39.3	39.8	39.8
Carton Height (mm)	890	890	890	890
Carton Width (mm)	500	500	500	500
Carton Depth (mm)	425	425	425	425
Loading Capacity (40' HC Container)	374	374	374	374

Hisense Model	AP-08CR1SHQS00	AP-10CR1SGRS00 AP-10CW1SGRS00	AP-12CR1SGRS00	AP-13HR1SGRS00
Refrigerant type	R410A	R410A	R410A	R410A
Gas charge	11.66 Oz	16.23oz	16.93oz	16.93oz
Unit Specifications and Performance				
Ratings				
BTU - Cool(SCC)	8000 Btu/hr	10,000	12,000	12,500
BTU - Heat(Watts)	NO	NO	NO	10500BTU
Energy Efficiency Rating; Cooling(SCE)	8.8	8.2	8.2	8.6
Energy Star	No	No	No	No
Heating Rating Conditions	N/A	N/A	N/A	N/A
Design pressure high side (PSIG)	600	600	600	600
Design pressure low side (PSIG)	236	236	236	236
Cooling Rating Conditions	35/28.3°C	ASHRAE-128-2001	ASHRAE-128-2001	ASHRAE-128-2001
Sound (dBA High)	53	49	49	52
Sound (dBA Medium)	N/A	48	48	51
Sound (dBA Low)	51	47	47	50
Air Features				
Air Flow on High (CFM)	194	205	195	205
Air Flow on Medium (CFM)	N/A	180	170	180
Air Flow on Low (CFM)	170	160	150	160

System				
Compressor Type	Rotary	Rotary	Rotary	Rotary
Brand	GMCC	RECHI	RECHI	RECHI
Compressor	ASN71E11UZDT1	39A221BD85\$#B	44A2G1AG8\@#C	44A2G1AG-\@#C
Expansion Device	capillarytube	Capillarytube	Capillarytube	capillarytube
Evaporator	Copper tube and blue aluminum fins (hydrophilic)	Copper tube and blue aluminum fins (hydrophilic)	Copper tube and blue aluminum fins (hydrophilic)	Copper tube and blue aluminum fins (hydrophilic)
Condenser	Copper tube and aluminum fins (bare)	Copper tube and aluminum fins (bare)	Copper tube and aluminum fins (bare)	Copper tube and blue aluminum fins (hydrophilic)
Features				
Unit Control type	Electronic	Electronic	Electronic	Electronic
Fan Control	Button	Button	Button	Button
Thermostat Control	Button	Button	Button	Button
Display Type	LED	LED	LED	LED
Sleep Mode	Yes (on the controller)	Yes (on the controller)	Yes (on the controller)	Yes (on the controller)
Dry Mode (auto speed only)	Yes	Yes	Yes	Yes
Water Full Indicator	Yes	Yes	Yes	Yes
Auto Cool (auto fan in cooling)	Yes	Yes (on the controller)	Yes (on the controller)	Yes (on the controller)
Smart Mode (remote access)	Yes (on the controller)	Yes (on the controller)	Yes (on the controller)	Yes (on the controller)
Rapid Cool (Jet) Mode (lowest temp & high speed) - Remote only	Rapid cool	Yes (on the controller)	Yes (on the controller)	Yes (on the controller)
Fan Only	Yes - 2 Speed	Yes - 3 Speed	Yes - 3 Speed	Yes - 3 Speed
Anion	NO	NO	NO	NO
Cooling Speed Selections	2	3	3	3
Timer- (24 Hr On/Off)	Yes- (24 Hr on/off - 10 minutes Increments up to 24 Hrs)	Yes- (24 Hr on/off - 10 minutes Increments up to 24 Hrs)	Yes- (24 Hr on/off - 10 minutes Increments up to 24 Hrs)	Yes- (24 Hr on/off - 10 minutes Increments up to 24 Hrs)
Clock	on the remote controller	on the remote controller	on the remote controller	on the remote controller
Air Swing (Motorized - Upward & Downward Motion)	NO	Yes	Yes	Yes
Auto-Restart	Yes	Yes	Yes	Yes
Room Temperature Display Units (F or C) factory default	Yes	Yes	Yes	Yes
Fahrenheit to Celsius function	Yes	Yes	Yes	Yes
Vent System	Single Duct	Single Duct	Single Duct	Single Duct
Electrical information				

Volts	115V	115	115	115
Frequency (Hz)	60	60	60	60
Amps (Cooling)	8.6A	11	12	12
Watts (Cooling)	910W	1220	1460	1460
L.R.A of compressor (A)	30	38	50.5	50.5
Fuse Size (Amps)	15	15	15	15
Power Cord Length - Cabinet to Wall	4ft.	4ft.	4ft.	4ft.
Power Cord Color	white	Black	Black	Black
Power Plug Type (AMP/Plug)	LCDI(5-15P)	LCDI(5-15P)	LCDI(5-15P)	LCDI(5-15P)
Unit Exterior Cabinet Dimensions				
Height (mm)	763	714	714	714
Width (mm)	33.8	442	442	442
Depth (mm)	395	318	318	318
Weight				
Net Weight (kg)	25.0	29	32	32.8
Shipping Weight (lb)	61	71.1	77.7	79.5
Carton Information				
Carton Height (mm)	890	885	885	885
Carton Width (mm)	385	498	498	498
Carton Depth (mm)	440	386	386	386
Loading Capacity (40' HC Container)	486	425	425	425

Model No.		AP-12CR4SFJS1	AP-12CR1SEJS
Type		H/C	C/O
Ratings			
Cooling Capacity	W	3480	3517
Heating Capacity	W	/	/
Input-Cooling	W	1333	1400
Input-Heating	W	/	/
Rated Input-Cooling	W	/	/
Rated Input-Heating	W	/	/
Air Circulation	CMH Max	380	340
EER for Cooling	W/W	2.61	2.51
COP for Heating	W/W	/	/
Refrigerant		R410A	R410A
Refrigerant charge volume	g	590	530
Indoor Unit Noise Level	High(dB (A))	55(Sound pressure)	55
	Low(dB (A))	53(Sound pressure)	52

Outdoor Unit Noise Level	dB (A)	/	
Power Supply			
Voltage, Frequency, Phase		220-240V~,50Hz,1P	115V~,60Hz,1P
Current	Cooling (A)	6.5	12
	Heating (A)	/	/
Rated Current	Cooling (A)	/	/
	Heating (A)	/	/
LRA	A	25	50.5
System			
Compressor type		Rotary	Rotary
Compressor Model No.		ASM130V1VDZ	44A261AG&FJKC
Compressor MFG		GMCC	RECHI
Expansion Device		Capillary	Capillary
Evaporator		Copper tube and Aluminum Fin	Copper tube and Aluminum Fin
Condenser		Copper tube and Aluminum Fin	Copper tube and Aluminum Fin
Features			
Display on Front Panel		Yes	Yes
LCD Wireless Remote Controller		Yes	Yes
Removable and washable Panel		NA	NA
Washable PP Filter		Yes	Yes
24 Hours Timer		Yes	Yes
3 Speed and Auto Indoor Fan Control		Yes	Yes
Vertical Auto Swing Louver		Yes	Yes
Manual Adjustable Horizontal Swing Louver		NA	NA
Sleep Operation		Yes	Yes
Smart Function		Yes	Yes
Super Function		Yes	Yes
Auto Restart		Yes	Yes
Other			
Net Dimensions WxHxD (mm)	Indoor Unit	442x750x382	430x695x325
	Outdoor Unit	/	/
Net Weight (Kg)	Indoor Unit	34	29

	Outdoor Unit	/	/	
Packing Dimensions WxHxD (mm)	Indoor Unit	505x885x430	480x880x380	
	Outdoor Unit	/	/	
Gross Weight (Kg)	Indoor Unit	39	34	
	Outdoor Unit	/	/	

Hisense Model Number	+AP-12CR4SFMS00 (K)	+AP-09CR4SFMS01 (K)	+AP-12CR4RFJS00 +AP-12CR4RFLS00
Refrigerant type	R410A	R410A	R32
Gas charge	0.59kg	0.53kg	0.445kg
Unit Specifications and Performance			
Ratings			
BTU – Cool(SCC)	3500W	2800W	3400W
BTU – Heat(Watts)	/	/	No
Energy Efficiency Rating; Cooling	2.6W/W	2.6W/W	2.61
COP: Heating	/	/	No
Heating Rating Conditions	/	/	N/A
Design pressure high side	4.15 MPa	4.15 MPa	4.15Mpa
Design pressure low side	1.6 MPa	1.6 MPa	1.6Mpa
Cooling Rating Conditions	35/24°C	35/24°C	EN 14511 (35/24°C)
Sound Power H (dBA)	64	63	55
Sound Power M(dBA)	62	62	54
Sound Power L(dBA)	61	61	53
Dehumidification – Pints/HR	1.3L/h	1.3L/h	2.8
Approximate Square Foot Cooling	up to 517	up to 450	up to 450
Air Features			
Air Flow on High (CFM)	380m3/h	380m3/h	380m3/h
Air Flow on Medium (CFM)	320m3/h	320m3/h	340m3/h
Air Flow on Low (CFM)	250m3/h	250m3/h	300m3/h
System			
Compressor Type	Rotary	Rotary	Rotary

Expansion Device	capillary	capillary	Capillary tube
Evaporator	Copper tube and blue aluminum fins (hydrophilic)	Copper tube and blue aluminum fins (hydrophilic)	Copper tube and blue aluminum fins (hydrophilic)
Condenser	Copper tube and blue aluminum fins (hydrophilic)	Copper tube and blue aluminum fins (hydrophilic)	Copper tube and aluminum fins (bare)
Features			
Unit Control type	Electronic	Electronic	Electronic
Fan Control	Button	Button	Button
Thermostat Control	Button	Button	Button
Display Type	LED	LED	LED
Sleep Mode	Yes (遥控器)	Yes (遥控器)	Yes
Dry Mode (auto speed only)	Yes	Yes	Yes
Water Full Indicator	Yes	Yes	Yes
Auto Cool (auto fan in cooling)	Yes	Yes	Yes
Smart Mode (remote access)	Yes (遥控器)	Yes (遥控器)	Yes
Rapid Cool (Jet) Mode (lowest temp & high speed) - remote only	Rapid cool	Rapid cool	Yes
Fan Only	Yes - 3 Speed	Yes - 3 Speed	Yes - 3 Speed
Anion	NO	NO	NO
Cooling Speed Selections	3	3	Yes - 3 Speed
Timer- (24 Hr On/Off)	NO	NO	Yes- (24 Hr on/off)
Clock	NO	NO	Yes (遥控器)
Air Swing (Motorized - Upward & Downward Motion)	Yes (遥控器)	Yes (遥控器)	Yes (遥控器)
Auto-Restart	Yes	Yes	Yes
Room Temperature Display Units (F or C) factory default	Yes	Yes	Yes
Fahrenheit to Celsius function	Yes, Push Thermostat up and down buttons at same time	Yes, Push Thermostat up and down buttons at same time	Yes, Push Thermostat up and down buttons at same time
Vent System	Single Duct	Single Duct	Single Duct
Electrical information			
Volts	220-240	220-240	220-240
Frequency (Hz)	50	50	50
Amps (Cooling/Heating)	6	4.7	5.8
Watts (Cooling/Heating)	1345	1075	1300

L. R. A of compressor (A)	24.6	22.5	23.5 A + 10% Max.
Fuse Size (Amps)	16A	16A	16
Power Cord Length – Cabinet to Wall	1.5m	1.5m	1.5m
Power Cord Color	white	white	White
Power Plug Type (AMP/Plug)	CE-502N(16A)	CE-502N(16A)	CE-502N(16A)
Unit Exterior Cabinet Dimensions			
Height (in)	/	/	/
Height (cm)	74.4	74.4	75
Width (in)	/	/	/
Width (cm)	44.8	44.8	44.2
Depth (in)	/	/	/
Depth (cm)	40	40	38.2
Weight			
Net Weight (lb)	/	/	/
Net Weight (kg)	36	35	34.0
Shipping Weight (lb)	/	/	/
Shipping Weight (kg)	38.5	38.2	39.0
Filter information			
Removable Filter	Yes	Yes	Yes
Washable PP filter	Yes	Yes	Yes
HEPA Filter	optional	optional	Optional
Carton Information			
Carton Height (in)	/	/	/
Carton Height (cm)	89	89	89
Carton Width (in)	/	/	/
Carton Width (cm)	50.5	50.5	50.5
Carton Depth (in)	/	/	/
Carton Depth (cm)	45.8	45.8	43
stack limit	3	3	3
Loading Capacity (40' HC Container)	372	372	374
Unit Accessories			
Flexible Condenser Air Hose (Included)	Yes (1 – 5.9" Dia X 59"Length)	Yes (1 – 5.9" Dia X 59"Length)	Yes (1 –5.9" Dia X 59"Length) (White 800043)
Window/Product Exhaust Adapters (2) – Included	Yes	Yes	Yes
Window Exhaust Adapter Rain Guard Cover (1) – included	Yes	Yes	Yes

Additional Water tank	NO	NO	NO
Brand	RECHI	RECHI	RECHI
Compressor	44B253DK-\@C	44B1K3AG-\@C	44W2E3HJ8P@#C

Hisense Model Number	+AP-09CR4GFMS00 +AP-09CR4GFJS00 +AP-09CR4GFLS00	+AP-09HR4GFMS01 +AP-09HR4GFJS01 +AP-09HR4GFJS01 +AP-09HR4GFLS01	+AP-12CR4GFMS00 +AP-12CR4GFJS00 +AP-12CR4GFLS00	+AP-12HR4GFMS00 +AP-12HR4GFJS00 +AP-12HR4GFLS00
Refrigerant type	R290	R290	R290	R290
Gas charge	0.28kg	0.30kg	0.285kg	0.300kg
Unit Specifications and Performance				
Ratings				
BTU – Cool (SCC)	2800W	3000W	3500W	3500W
BTU – Heat (Watts)	/	2,500	/	3000W
Energy Efficiency Rating; Cooling	2.6W/W	3.1W/W	2.6W/W	2.6W/W
COP: Heating	/	2.8	/	2.8W/W
Heating Rating Conditions	/	/	/	/
Design pressure high side	3.1 MPa	3.1 MPa	3.1 MPa	3.1 MPa
Design pressure low side	1.0MPa	1.0MPa	1.0MPa	1.0MPa
Cooling Rating Conditions	35/24℃	35/24℃	35/24℃	35/24℃
Sound Power H (dBA)	64	64	64	64
Sound Power M(dBA)	62	62	62	62
Sound Power L(dBA)	61	61	61	61
Dehumidification – Pints/HR	1.0L/h	1.0L/h	1.4L/h	1.4L/h
Approximate Square Foot Cooling	up to 450	up to 450	up to 450	up to 450
Air Features				
Air Flow on High (CFM)	380m3/h	380m3/h	380m3/h	380m3/h
Air Flow on Medium (CFM)	340m3/h	340m3/h	340m3/h	340m3/h
Air Flow on Low (CFM)	300m3/h	300m3/h	300m3/h	300m3/h

System				
Compressor Type	Rotary	Rotary	Rotary	Rotary
Expansion Device	capillary	capillary	capillary	capillary
Evaporator	Copper tube and blue aluminum fins (hydrophilic)	Copper tube and blue aluminum fins (hydrophilic)	Copper tube and blue aluminum fins (hydrophilic)	Copper tube and blue aluminum fins (hydrophilic)
Condenser	Copper tube and blue aluminum fins (hydrophilic)	Copper tube and blue aluminum fins (hydrophilic)	Copper tube and blue aluminum fins (hydrophilic)	Copper tube and blue aluminum fins (hydrophilic)
Features				
Unit Control type	Electronic	Electronic	Electronic	Electronic
Fan Control	Button	Button	Button	Button
Thermostat Control	Button	Button	Button	Button
Display Type	LED	LED	LED	LED
Sleep Mode	Yes (遥控器)	Yes (遥控器)	Yes (遥控器)	Yes (遥控器)
Dry Mode (auto speed only)	Yes	Yes	Yes	Yes
Water Full Indicator	Yes	Yes	Yes	Yes
Auto Cool (auto fan in cooling)	Yes	Yes	Yes	Yes
Smart Mode (remote access)	Yes (遥控器)	Yes (遥控器)	Yes (遥控器)	Yes (遥控器)
Rapid Cool(Jet) Mode (lowest temp & high speed) – remote only	Rapid cool	Rapid cool	Rapid cool	Rapid cool
Fan Only	Yes – 3 Speed	Yes – 3 Speed	Yes – 3 Speed	Yes – 3 Speed
Anion	NO	NO	NO	NO
Cooling Speed Selections	3	3	3	3
Timer– (24 Hr On/Off)	Yes (遥控器)	Yes (遥控器)	Yes (遥控器)	Yes (遥控器)
Clock	NO	NO	NO	NO
Air Swing (Motorized – Upward & Downward Motion)	Yes (遥控器)	Yes (遥控器)	Yes (遥控器)	Yes (遥控器)
Auto-Restart	Yes	Yes	Yes	Yes

Room Temperature Display Units (F or C) factory default	Yes	Yes	Yes	Yes
Fahrenheit to Celsius function	Yes, Push Thermostat up and down buttons at same time	Yes, Push Thermostat up and down buttons at same time	Yes, Push Thermostat up and down buttons at same time	Yes, Push Thermostat up and down buttons at same time
Vent System	Single Duct	Single Duct	Single Duct	Single Duct
Electrical information				
Volts	220-240	220-240	220-240	220-240
Frequency (Hz)	50	50	50	50
Amps (Cooling/Heating)	4.7	4.3/4.0	5.9	6.0/5.2
Watts (Cooling/Heating)	1075/-	985/890	1340/-	1345/1070
L. R. A of compressor (A)	20.4	20.4	24.4	24.4
Fuse Size (Amps)	16A	16A	16A	16A
Power Cord Length - Cabinet to Wall	2m	2m	2m	2m
Power Cord Color	white	white	white	white
Power Plug Type (AMP/Plug)	CE-502N(16A)	CE-502N(16A)	CE-502N(16A)	CE-502N(16A)
Unit Exterior Cabinet Dimensions				
Height (in)	/	/	/	/
Height (cm)	74.4	74.4	74.4	74.4
Width (in)	/	/	/	/
Width (cm)	44.8	44.8	44.8	44.8
Depth (in)	/	/	/	/
Depth (cm)	40	40	40	40
Weight				
Net Weight (lb)	/	/	/	/
Net Weight (kg)	34.0	35.0	36.0	36.0
Shipping Weight (lb)	/	/	/	/

Shipping Weight (kg)	38.5	39.5	39.5	39.5
Filter information				
Removable Filter	Yes	Yes	Yes	Yes
Washable PP filter	Yes	Yes	Yes	Yes
HEPA Filter	optional	optional	optional	optional
Carton Information				
Carton Height (in)	/	/	/	/
Carton Height (cm)	89	89	89	89
Carton Width (in)	/	/	/	/
Carton Width (cm)	50.5	50.5	50.5	50.5
Carton Depth (in)	/	/	/	/
Carton Depth (cm)	45.8	45.8	45.8	45.8
stack limit	3	3	3	3
Loading Capacity (40' HC Container)	372	372	372	372
Unit Accessories				
Flexible Condenser Air Hose (Included)	Yes (1 - 5.9" Dia X 59"Length)	Yes (1 - 5.9" Dia X 59"Length)	Yes (1 - 5.9" Dia X 59"Length)	Yes (1 - 5.9" Dia X 59"Length)
Window/Product Exhaust Adapters (2) - Included	Yes	Yes	Yes	Yes
Window Exhaust Adapter Rain Guard Cover (1) - included	Yes	Yes	Yes	Yes
Additional Water tank	NO	NO	NO	NO
Brand	RECHI	RECHI	RECHI	RECHI
Compressor	44P213HJ8##KZ	44P213HJ8##KZ	44P273KH8##KZ	44P273KH8##KZ

Hisense Model Number	+AP-09CR4GEJS00 (K) +AP-09CR4GELS00 (K)	+AP-09CR4GEPS00 (K)		
Refrigerant type	R290	R290		
Gas charge	0.215kg	0.215kg		

Unit Specifications and Performance				
Ratings				
BTU – Cool (SCC)	2600W	2600W		
BTU – Heat (Watts)	/	/		
Energy Efficiency Rating; Cooling	2.6W/W	2.6W/W		
COP: Heating	/	/		
Heating Rating Conditions	/	/		
Design pressure high side	3.1 MPa	3.1 MPa		
Design pressure low side	1.0MPa	1.0MPa		
Cooling Rating Conditions	35/24℃	35/24℃		
Sound Power H (dBA)	64	64		
Sound Power M (dBA)	62	62		
Sound Power L (dBA)	61	61		
Dehumidification – Pints/HR	1.0L/h	1.0L/h		
Approximate Square Foot Cooling	up to 450	up to 450		
Air Features				
Air Flow on High (CFM)	290m3/h	290m3/h		
Air Flow on Medium (CFM)	260m3/h	260m3/h		
Air Flow on Low (CFM)	230m3/h	230m3/h		
System				
Compressor Type	Rotary	Rotary		
Expansion Device	capillary	capillary		
Evaporator	Copper tube and blue aluminum fins (hydrophilic)	Copper tube and blue aluminum fins (hydrophilic)		
Condenser	Copper tube and blue aluminum fins (hydrophilic)	Copper tube and blue aluminum fins (hydrophilic)		
Features				

Unit Control type	Electronic	Electronic		
Fan Control	Button	Button		
Thermostat Control	Button	Button		
Display Type	LED	LED		
Sleep Mode	Yes (遥控器)	Yes (遥控器)		
Dry Mode (auto speed only)	Yes	Yes		
Water Full Indicator	Yes	Yes		
Auto Cool (auto fan in cooling)	Yes	Yes		
Smart Mode (remote access)	Yes (遥控器)	Yes (遥控器)		
Rapid Cool(Jet) Mode (lowest temp & high speed) - remote only	Rapid cool	Rapid cool		
Fan Only	Yes - 3 Speed	Yes - 3 Speed		
Anion	NO	NO		
Cooling Speed Selections	3	3		
Timer- (24 Hr On/Off)	Yes (遥控器)	Yes (遥控器)		
Clock	NO	NO		
Air Swing (Motorized - Upward & Downward Motion)	Yes (遥控器)	Yes (遥控器)		
Auto-Restart	Yes	Yes		
Room Temperature Display Units (F or C) factory default	Yes	Yes		
Fahrenheit to Celsius function	Yes, Push Thermostat up and down buttons at same time	Yes, Push Thermostat up and down buttons at same time		
Vent System	Single Duct	Single Duct		
Electrical information				
Volts	220-240	220-240		
Frequency (Hz)	50	50		
Amps (Cooling/Heating)	4.4	4.4		

Watts (Cooling/Heating)	995/-	995/-		
L. R. A of compressor (A)	20.4	20.4		
Fuse Size (Amps)	16A	16A		
Power Cord Length - Cabinet to Wall	1.5m	1.5m		
Power Cord Color	white	white		
Power Plug Type (AMP/Plug)	CE-502N(16A)	CE-502N(16A)		
Unit Exterior Cabinet Dimensions				
Height (in)	27 3/8	27 3/8		
Height (cm)	69.5	69.5		
Width (in)	16 7/8	16 7/8		
Width (cm)	43	43		
Depth (in)	12 6/8	12 6/8		
Depth (cm)	32.5	32.5		
Weight				
Net Weight (lb)	/	/		
Net Weight (kg)	31.0	31.0		
Shipping Weight (lb)	/	/		
Shipping Weight (kg)	34.5	34.5		
Filter information				
Removable Filter	Yes	Yes		
Washable PP filter	Yes	Yes		
HEPA Filter	optional	optional		
Carton Information				
Carton Height (in)	34 5/8	34 5/8		
Carton Height (cm)	88	88		
Carton Width (in)	18 7/8	18 7/8		

Carton Width (cm)	48	48		
Carton Depth (in)	15	15		
Carton Depth (cm)	38	38		
stack limit	3	3		
Loading Capacity (40' HC Container)	447	447		
Unit Accessories				
Flexible Condenser Air Hose (Included)	Yes (1 - 5.9" Dia X 59"Length)	Yes (1 - 5.9" Dia X 59"Length)		
Window/Product Exhaust Adapters (2) - Included	Yes	Yes		
Window Exhaust Adapter Rain Guard Cover (1) - included	Yes	Yes		
Additional Water tank	NO	NO		
Brand	RECHI	RECHI		
Compressor	44P213HX8K#KZ	44P213HX8K#KZ		

Hisense Model Number	AP-12HR4SEJS00
Refrigerant type	R410A
Gas charge	17.30z
Unit Specifications and Performance	
Ratings	
BTU - Cool (Watts)	3,200
BTU - Heat (Watts)	2,800
Energy Efficiency Rating; Cooling(SCE)	10.6Btu/hr/W
Energy Star	No
Heating Rating Conditions	21.1/15.6
Design pressure high side (PSIG)	600
Design pressure low side (PSIG)	236
Cooling Rating Conditions	35/28.3 °C
Sound (dBA High)	52
Sound (dBA Medium)	51
Sound (dBA Low)	50
Dehumidification - Pints/HR	9
Approximate Square Foot Cooling	up to 600
Air Features	
Air Flow on High (CFM)	205
Air Flow on Medium (CFM)	180
Air Flow on Low (CFM)	160
System	
Compressor Type	Rotary

Expansion Device	capillary tube
Evaporator	Copper tube and blue aluminum fins (hydrophilic)
Condenser	Copper tube and aluminum fins (bare)
Features	
Unit Control type	Electronic
Fan Control	Button
Thermostat Control	Button
Display Type	LED
Sleep Mode	Yes
Dry Mode (auto speed only)	Yes
Water Full Indicator	Yes
Auto Cool (auto fan in cooling)	Yes
Smart Mode (remote access)	Yes
Rapid Cool(Jet) Mode (lowest temp & high speed) - remote only	Yes
Fan Only	Yes - 3Speed
Anion	NO
Cooling Speed Selections	3
Timer- (24 Hr On/Off)	24
Clock	Yes
Air Swing (Motorized - Upward & Downward Motion)	Yes
Auto-Restart	Yes
Room Temperature Display Units (F or C) factory default	Yes
Fahrenheit to Celsius function	NA
Vent System	Single Duct
Electrical information	
Volts	220
Frequency (Hz)	50
Amps (Cooling)	5
Watts (Cooling)	1032
L. R. A of compressor (A)	19
Fuse Size (Amps)	12
Power Cord Length - Cabinet to Wall	4ft.
Power Cord Color	Black
Power Plug Type (AMP/Plug)	LCDI
Unit Exterior Cabinet Dimensions	
Height (in)	27 3/8
Height (cm)	69.5
Width (in)	16 7/8
Width (cm)	43
Depth (in)	12 6/8
Depth (cm)	32.5
Weight	
Net Weight (lb)	59 4/8
Net Weight (kg)	27.0

Shipping Weight (lb)	70 4/8
Shipping Weight (kg)	32.0
Filter information	
Removable Filter	Yes
Washable PP filter	Yes
HEPA Filter	optional
Carton Information	
Carton Height (in)	34 5/8
Carton Height (cm)	88
Carton Width (in)	18 7/8
Carton Width (cm)	48
Carton Depth (in)	15
Carton Depth (cm)	38
stack limit	3
Loading Capacity (40' HC Container)	447
Unit Accessories	
Flexible Condenser Air Hose (Included)	Yes (1 - 5.9" Dia X 59"Length)
Window/Product Exhaust Adapters (2) - Included	Yes
Window Exhaust Adapter Rain Guard Cover (1) - included	Yes
Additional Water tank	NO
Brand	GMCC
Compressor	ASN93V11UDZ1

3. Product Picture and Drawing

3-1. Product Pictures

Y1E、Y1F Front Panel:

Front Panel	J
View	
Front Panel	L

View	
Front Panel	P
View	
Front Panel	T
View	
Front Panel	M

View	
--------------------	--

Y1H Front Panel:

Front Panel	Q
View	

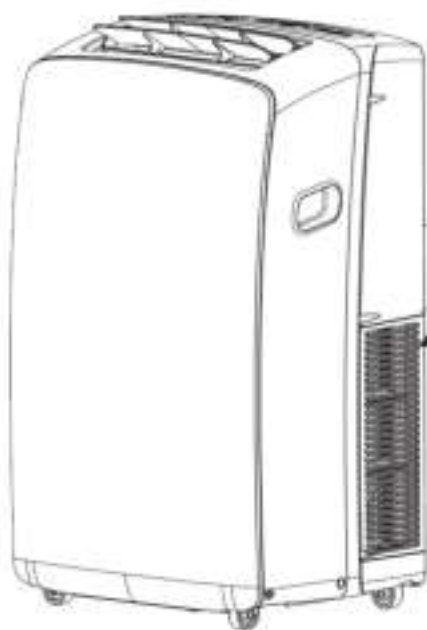
Y1G Front Panel:

Front Panel	R
View	

Remote controller:

Model	J1
View	

3-2. Product dimensions



Model	W (mm)	H (mm)	D (mm)
AP-05CR1SEJS1	430	690	325
AP-07CR1SEJS1	430	690	325
AP-09CR1SEJS	430	690	325
AP-10CR1SEJS	430	690	325
AP-12CR1SEJS	430	690	325
AP-12CR4SFJS1	442	750	382
AP-09CR4SFMS01	448	744	400
AP-12CR4SFMS00	448	744	400

AP-14DR1SFJS2	442	750	382
AP-08CR1SHQS00	338	763	395
AP-10CR1SGRS00	442	714	318
AP-10CW1SGRS00	442	714	318
AP-12CR1SGRS00	442	714	318
AP-13HR1SGRS00	442	714	318
AP-14CR1SFTS00	442	750	382
AP-14DR1SFTS02	442	750	382
AP-14HR1SFTS00	442	750	382
AP-12CR4RFJS00	442	750	382
+AP-09HR4GFMS01	448	744	400
+AP-09HR4GFJS01	448	744	400
+AP-09HR4GFJS01	448	744	400
+AP-09HR4GFJS01	448	744	400
+AP-09HR4GFJS01	448	744	400
+AP-09CR4GFMS00	448	744	400
+AP-12HR4GFMS00	448	744	400
+AP-12HR4GFJS00	448	744	400
+AP-12HR4GFJS00	448	744	400
+AP-12HR4GFJS00	448	744	400
+AP-12CR4GFMS00	448	744	400
+AP-12CR4GFJS00	448	744	400
+AP-12CR4GFJS00	448	744	400
+AP-12CR4GFJS00	448	744	400
+AP-09CR4GEJS00	430	690	325
+AP-09CR4GEPS00	430	690	325
+AP-09CR4GELS00	430	690	325
AP-12HR4SEJS00	430	690	325

4. Installation Instruction

Y1E、Y1F model:

INSTALLATION REQUIREMENTS

Tools and Parts

Gather the required tools and parts before starting installation. Read and follow the instructions provided with any tools listed here.

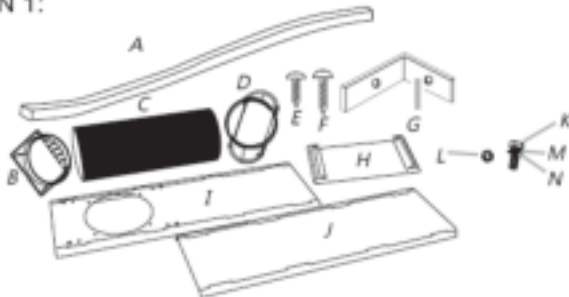
Tools needed

- Phillips screwdriver
- Scissors
- Saw
- Cordless drill and $\frac{1}{8}$ " bit
- Pencil

Parts supplied

The company provide only one plan to install local air conditioner: See "Install Local Air Conditioner"(P4-P8)

PLAN 1:



PLAN 2:(optional)



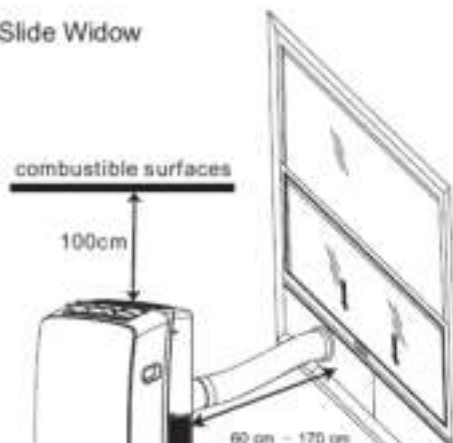
- A. Foam seal
- B. Dummy coupling
- C. Flexible exhaust hose
- D. Window exhaust adapter
- E. $\frac{1}{2}$ "screws (2)
- F. Wood screws(4)
- G. Window-lock bracket(2)
- H. Rain coverl.

- I. Outer slider section
- J. Inner slider section
- K. Bolts (4)
- L. Nuts (4)
- M. Spring washers (4)
- N. Plain washers (4)
- O. Wall cover
- P. Exhaust adapter
- Q. Long Wood screws(3)
- R. Plastics plug(3)

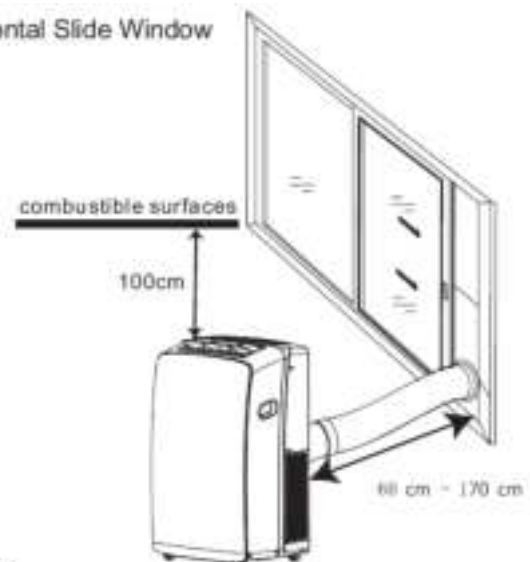
NOTES:

- The flexible exhaust hose allows placement of the air conditioner between 60 cm and 170 cm from window or door. For appliances with supplementary heaters, the minimum clearance from the appliances to combustible surfaces is 100cm.
- Local air conditioners are designed as supplemental cooling to local areas within a room.

Vertical Slide Widow



Horizontal Slide Window



NOTES:

- To ensure proper ventilation, keep the required distance from the return air outlet to the wall or other obstacles at least 23" (60 cm).

INSTALLATION INSTRUCTIONS

Unpack the Air Conditioner

⚠ WARNING

Excessive Weight Hazard

Use two or more people to move and install

- Do not use sharp instruments, rubbing alcohol, flammable fluids, or abrasive cleaners to remove tape or glue. These products can damage the surface of your air conditioner.
- Handle the air conditioner gently.

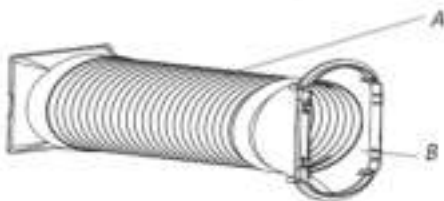
Install Local Air Conditioner (on the window)

Install Exhaust Hose and Adapter

1. Roll the air conditioner to selected location. see "Location Requirements."
2. Attach the dummy coupling to the flexible exhaust hose. Turn anticlockwise until securely locked into place.

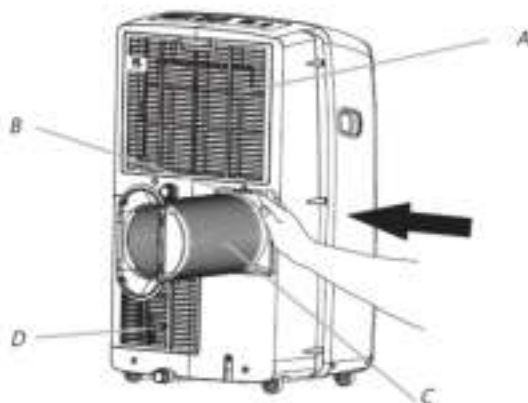


3. Attach the window exhaust adapter to the flexible exhaust hose. Turn anticlockwise until securely locked into place.



A. Flexible exhaust hose
B. Window exhaust adapter

4. Insert the dummy coupling into the slot on the back of the air conditioner.
5. Slide down to lock the hose into place.

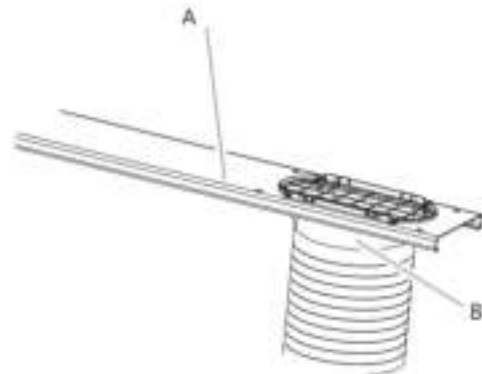


A. Evaporator air intake
B. Dummy coupling
C. Flexible exhaust hose
D. Condenser air intake

Window Installation

Your window slider kit has been designed to fit most standard vertical and horizontal window applications. Roll the air conditioner to selected location. see "Location Requirements."

1. Insert the window exhaust adapter into the slot on the window slider kit.



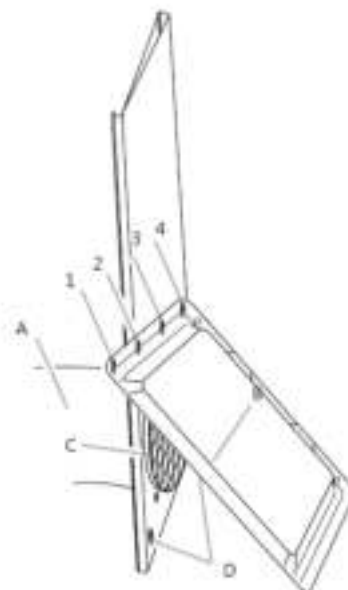
A. Window slider kit
B. Window exhaust adapter

2. Using the 2 bolts, washer and nuts (provided), attach the rain cover to the window slider kit for either the vertical or horizontal installation.

NOTES:

- The holes in the window slider kit are positioned for attaching the rain cover for vertical or horizontal installation.
- Insert the other 2 bolts, washers and nuts (provided) into the unused holes in the window slider kit to keep moisture from leaking through the window slider kit.

Rain cover--Vertical Installation



A. Window exhaust adapter
B. Rain cover
C. Outlet grille
D. Bolts inserted into unused holes in Window slider kit

NOTES: Four holes in the rain cover for vertical installation. Insert the 2 bolts with "1" "3" or "2" "4".

Rain cover--Horizontal Installation

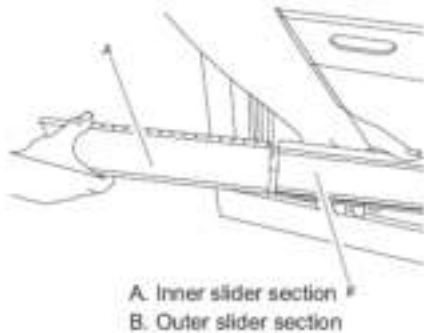


- A. Window exhaust adapter D. Bolts inserted into unused holes in Window slider kit
B. Rain cover
C. Outlet grille

3. Open the window.

4. Measure the window opening.

- If the window opening is too narrow for the window slider kit, remove the inner slider section from the window slider kit.

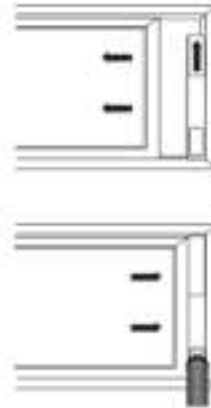


- Using a saw, cut the inner slider section to fit the window opening.
- Slide the inner slider section into the outer slider section of the window slider kit.

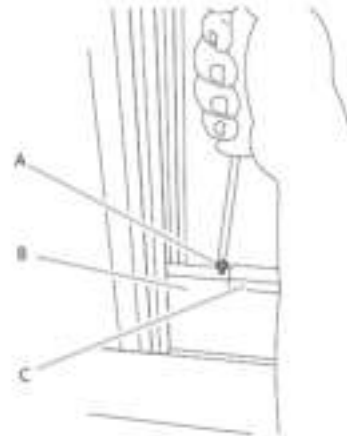
5. Place the window slider kit into the window, extending it to fit the width of the window. Be sure the rain cover is on the outside of the window.



NOTE: For casement window installation, the window slider kit may be installed vertically with the window slider kit opening at the bottom.

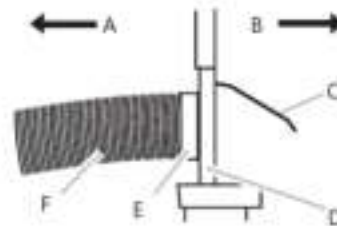


6. Inset $\frac{1}{2}$ " screw (provide 2) into the hole in the inner slider section that is closest to the end of the outer slider section.



- A. $\frac{1}{2}$ " screw (provide 2)
B. Inner slider section
C. Outer slider section

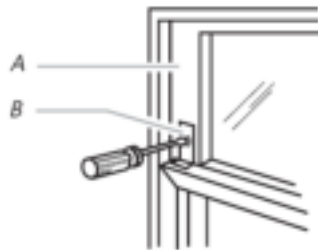
7. Close the window onto the window slider kit to secure.



- A. To local air conditioner D. Window slider kit
B. Outdoors E. Window exhaust adapter
C. Rain cover F. Flexible exhaust hose

Complete Installation

1. Place the window-lock bracket on top of the lower window and against the upper window sash.
2. Use 1/8" drill bit to drill a starter hole through the hole in the bracket.
3. Attach the window-lock bracket to the window sash with wood screw(provide 4) to secure the window in place.



A. Upper window sash
B. Window-lock bracket

4. Insert the foam seal behind the top of the lower window sash and against the glass of the upper window.



A. Top of lower window sash
B. Foam seal

⚠ WARNING



Electrical Shock Hazard

Plug into a grounded 3 prong outlet.

Do not remove ground prong.

Do not use an adapter.

Do not use an extension cord.

Failure to follow these instructions can result in death, fire, or electrical shock.

5. Plug into a grounded 3 prong outlet.

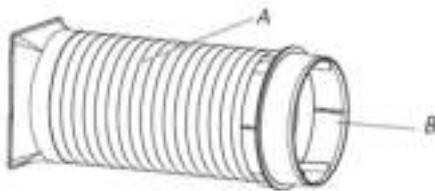
Install Local Air Conditioner(through the wall)

Install Exhaust Hose and Adapter

1. Roll the air conditioner to selected location, see "Location Requirements."
2. Attach the dummy coupling to the flexible exhaust hose. Turn anticlockwise until securely locked into place.

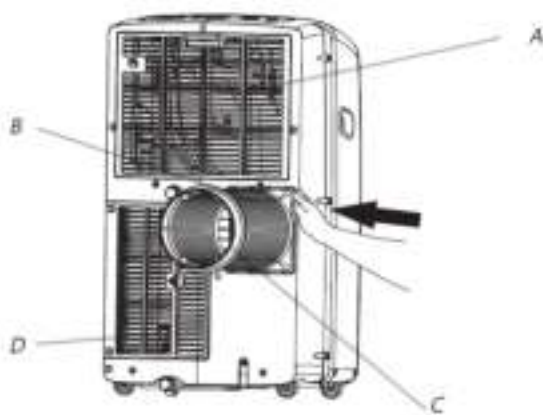


3. Attach the window exhaust adapter to the flexible exhaust hose. Turn anticlockwise until securely locked into place.



A. Flexible exhaust hose
B. Wall exhaust adapter

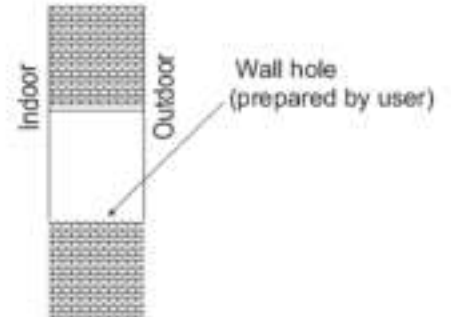
4. Insert the dummy coupling into the slot on the back of the air conditioner.
5. Slide down to lock the hose into place.



A. Evaporator air intake
B. Dummy coupling
C. Flexible exhaust hose
D. Condenser air intake

Drill a Hole for wall cover

1. Decide the position of hole for wall cover according to the location of mounting plate.
2. Drill a hole on the wall. The hole should a little bigger than wall cover.
3. Install wall cover through the wall hole to keep the wall tidy and clean, fixed with four screws.



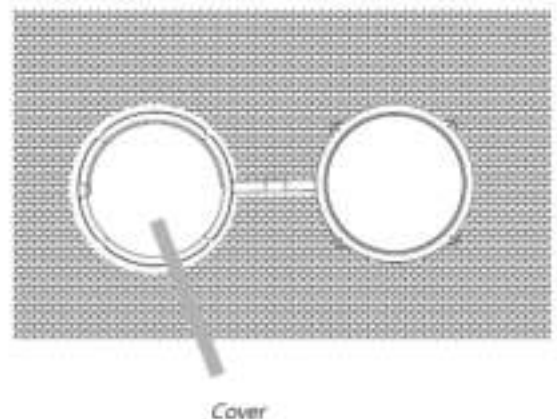
Insert the wall exhaust adapter to wall cover

1. Insert the dummy coupling into the wall cover on the wall.



Insert the wall exhaust adapter to wall cover

1. Remove wall exhaust adapter from the wall cover.
2. Cover the wall cover.

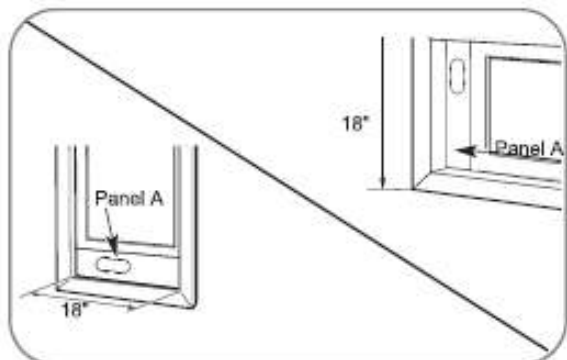
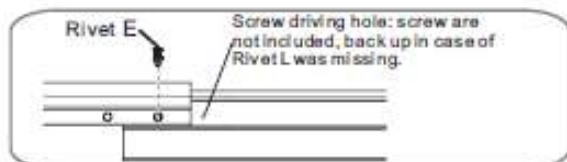


Window Vent Panel And Extensions

The window installation kit allows you to install the air conditioner in most vertical-sliding windows 18" to 50" wide, or horizontal sliding windows from 18" to 50" high.

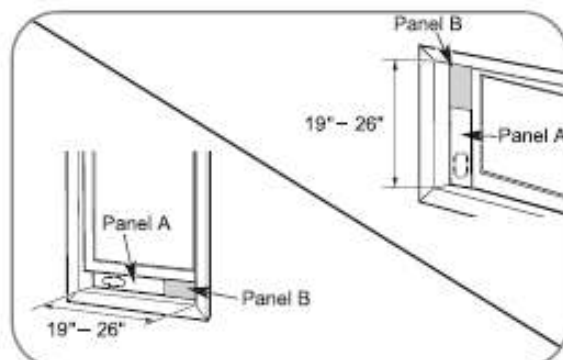
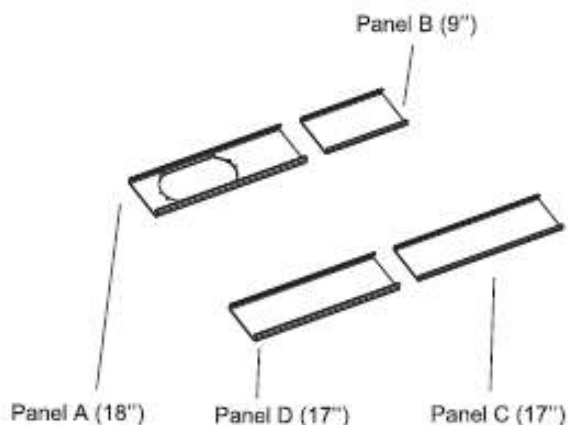
Panel	A	B	C	D	Fig.
Window Length	18"	9"	17"	17"	
18"	✓				a
19" – 26"	✓	✓			b
27" – 34"	✓		✓		c
35" – 50"	✓		✓	✓	d

1. Please check your window length and choose the fit from the above table.
2. If your window length requires more than 2 panels, after adjust the length, please secure the panels with rivets, L.



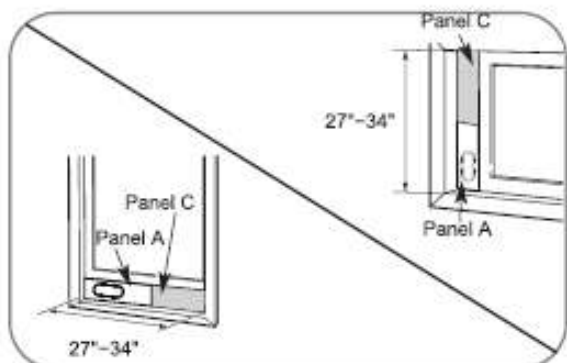
For an 18" window opening, use the window vent panel by itself.

Fig. "a"



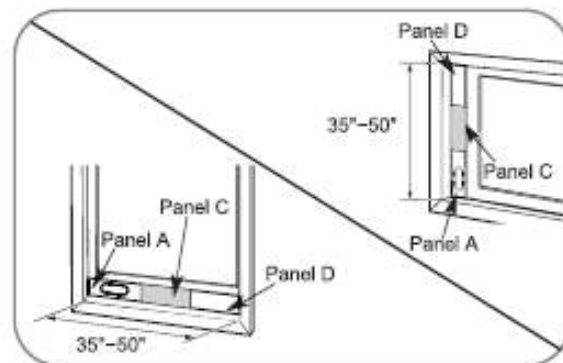
For window openings from 19" to 26", use the window vent panel (Panel A) and an extension panel (Panel B).

Fig. "b"



For window openings from 27" to 34", use the window vent panel (Panel A) and an extension panel (Panel C).

Fig. "c"



For window openings from 35" to 50", use the window vent panel and two extension panels (Panel C and Panel D).

Fig. "d"

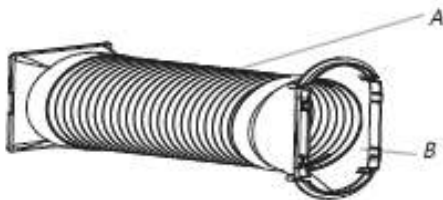
Install Portable Air Conditioner

Install Exhaust Hose and Adapter

1. Roll the air conditioner to selected location. see "Location Requirements."
2. Attach the coupling to the flexible exhaust hose. Turn counter-clockwise until securely locked into place.

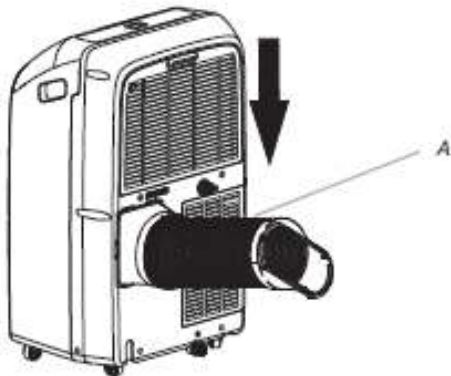


3. Attach the window exhaust adapter to the flexible exhaust hose. Turn counter-clockwise until securely locked into place.



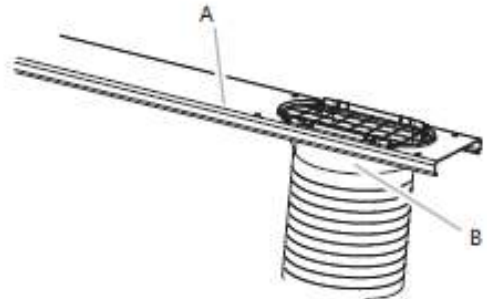
A. Flexible exhaust hose
B. Window exhaust adapter

4. Insert the coupling into the slot on the back of the air conditioner.
5. Slide down to lock the hose into place.



A. Flexible exhaust hose

NOTE: Product must be used with included Duct Window Installation kit for effective cooling.



A. Outer slider section
B. Window exhaust adapter

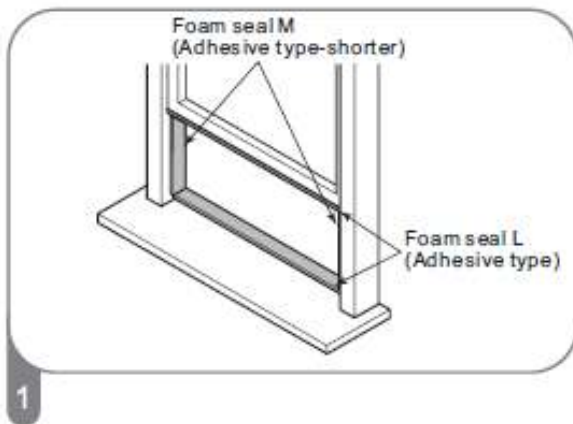
Window Installation

Your window slider kit has been designed to fit most standard vertical and horizontal window applications. Roll the air conditioner to selected location. see "Location Requirements."

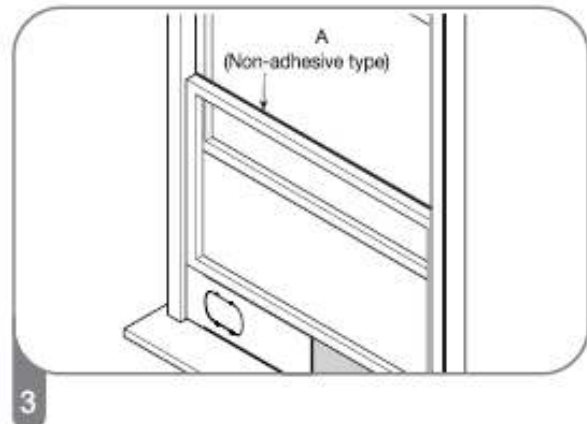
1. Attach the window exhaust adapter to the outer slider section (the piece with the large exhaust hole).

Installation In Vertical Sliding Windows

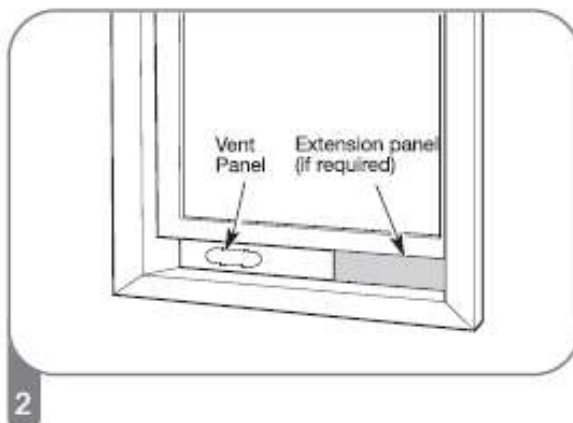
NOTE: The window installation kit can be used with vertical sliding windows between 18" and 50" wide.



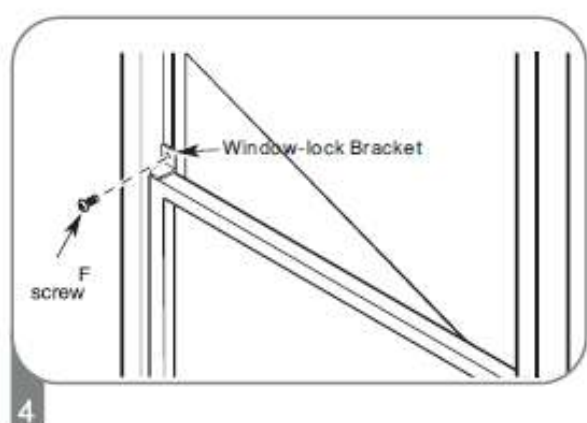
Cut the foam seal L (adhesive type) & M (adhesive type-shorter) to the proper length, and attach it to the window sash and frame.



Cut the foam seal A (Non-adhesive type) to the window width. Stuff the foam seal A between the glass and the window to prevent air and insects from getting into the room.



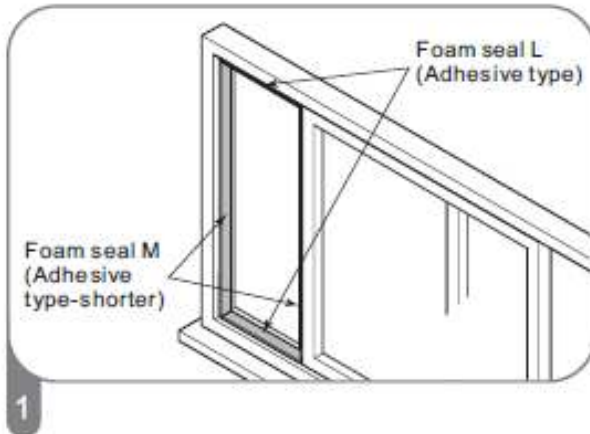
Insert the vent panel assembly, including extension panels, if needed, into the window opening. Extend the extension panels, if used.



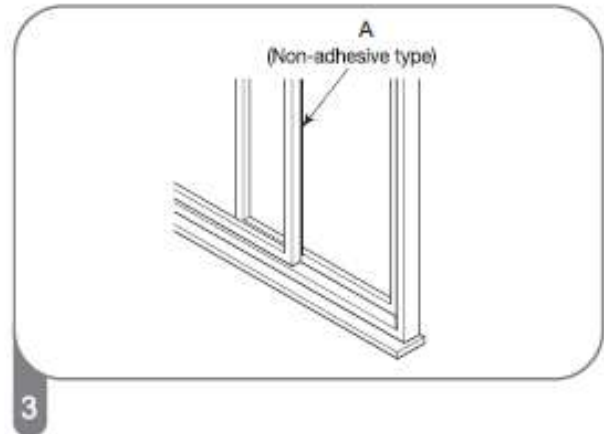
Install the Window-lock bracket with a type F screw as shown if you need.

Installation In Horizontal Sliding Windows

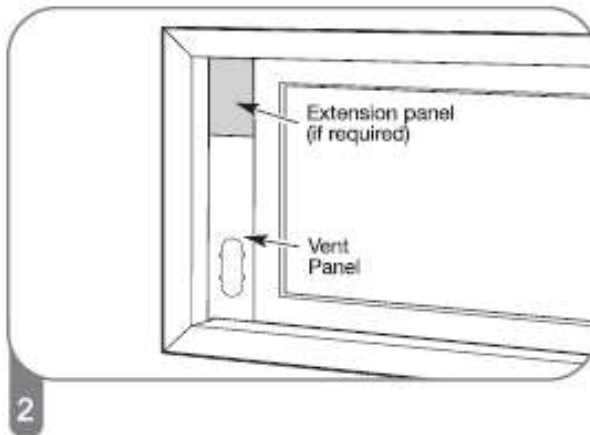
NOTE: The window installation kit can be used with vertical sliding windows between 18" and 50" wide.



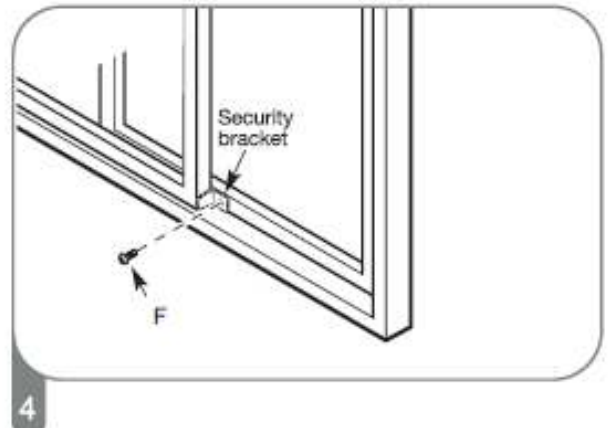
Cut the foam seal L (adhesive type) & M (adhesive type-shorter) to the proper length, and attach it to the window sash and frame.



Cut the foam seal A (Non-adhesive type) to the window width. Stuff the foam seal A between the glass and the window to prevent air and insects from getting into the room.



Insert the vent panel assembly, including extension panels, if needed, into the window opening. Extend the extension panels, if used.



Install the Window-lock bracket with a type F screw as shown if you need.

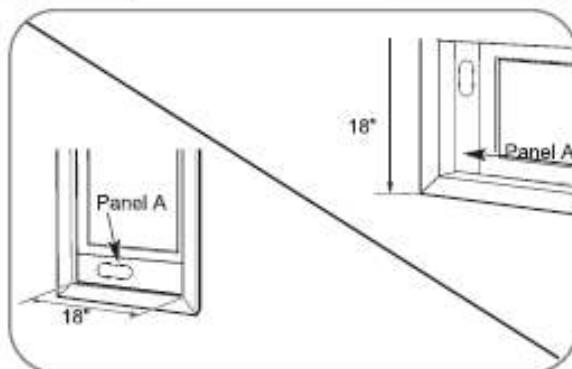
Y1H model:

Window Vent Panel And Extensions

The window installation kit allows you to install the air conditioner in most vertical-sliding windows 18" to 50" wide, or horizontal sliding windows from 18" to 50" high.

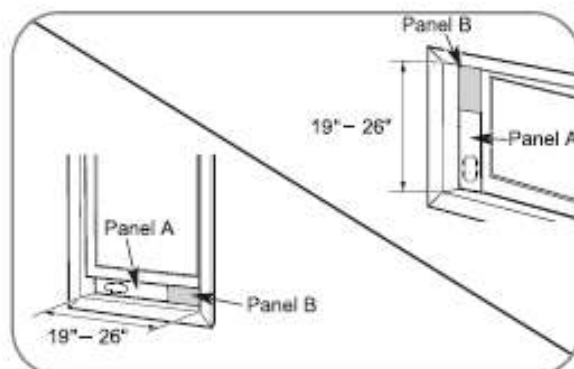
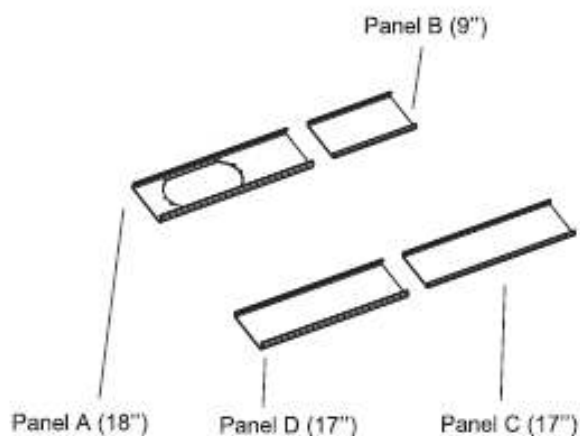
Panel \ Window Length	A 18"	B 9"	C 17"	D 17"	Fig.
18"	✓				a
19" – 26"	✓	✓			b
27" – 34"	✓		✓		c
35" – 50"	✓		✓	✓	d

1. Please check your window length and choose the fit from the above table.
2. If your window length requires more than 2 panels, after adjusting the length, please secure the panels with rivets, L.



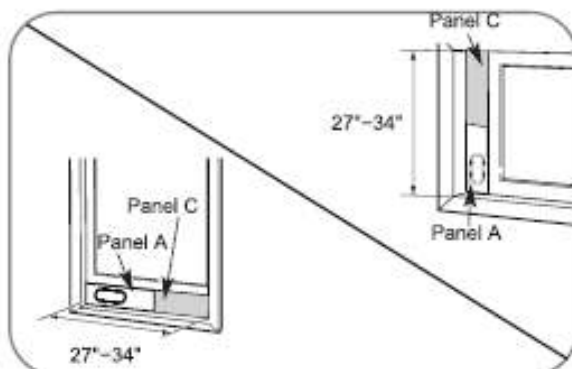
For an 18" window opening, use the window vent panel by itself.

Fig. "a"



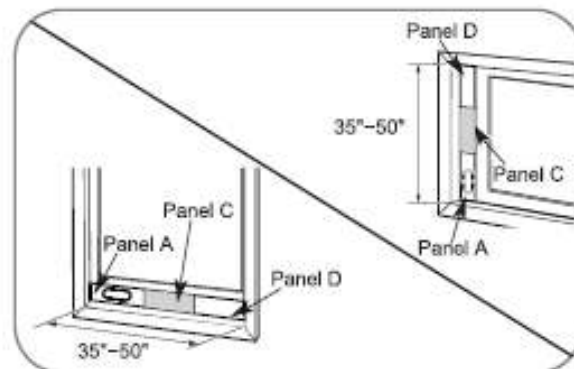
For window openings from 19" to 26", use the window vent panel (Panel A) and an extension panel (Panel B).

Fig. "b"



For window openings from 27" to 34", use the window vent panel (Panel A) and an extension panel (Panel C).

Fig. "c"



For window openings from 35" to 50", use the window vent panel and two extension panels (Panel C and Panel D).

Fig. "d"

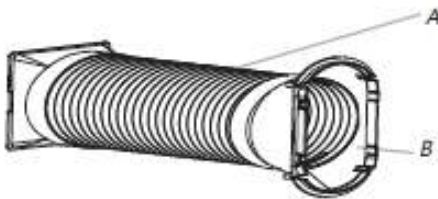
Install Portable Air Conditioner

Install Exhaust Hose and Adapter

1. Roll the air conditioner to selected location, see "Location Requirements."
2. Attach the coupling to the flexible exhaust hose. Turn counter-clockwise until securely locked into place.

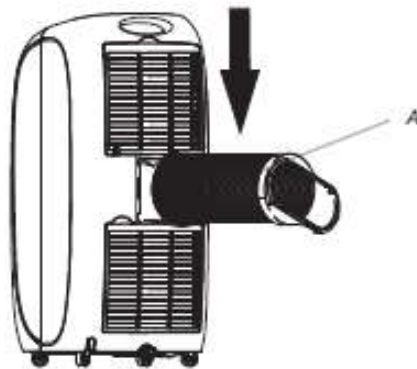


3. Attach the window exhaust adapter to the flexible exhaust hose. Turn counter-clockwise until securely locked into place.



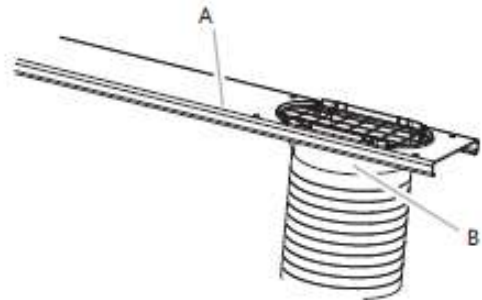
A. Flexible exhaust hose
B. Window exhaust adapter

4. Insert the coupling into the slot on the back of the air conditioner.
5. Slide down to lock the hose into place.



A. Flexible exhaust hose

NOTE: Product must be used with included Duct Window installation kit for effective cooling.



A. Outer slider section
B. Window exhaust adapter

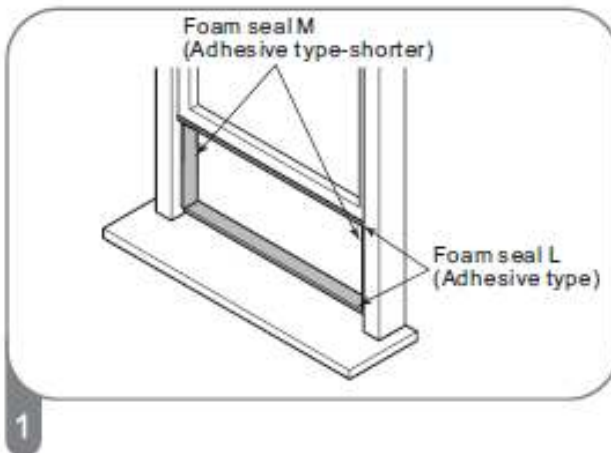
Window Installation

Your window installation kit has been designed to fit most standard vertical and horizontal window applications. Roll the air conditioner to selected location, see "Location Requirements."

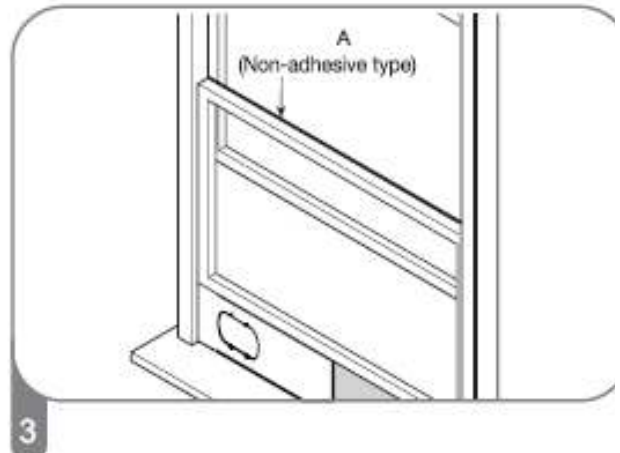
1. Attach the window exhaust adapter to the outer slider section (the piece with the large exhaust hole).

Installation In Vertical Sliding Windows

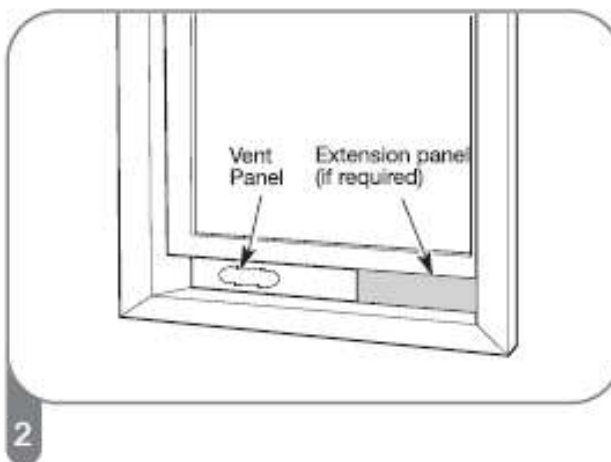
NOTE: The window installation kit can be used with vertical sliding windows between 18" and 50" wide.



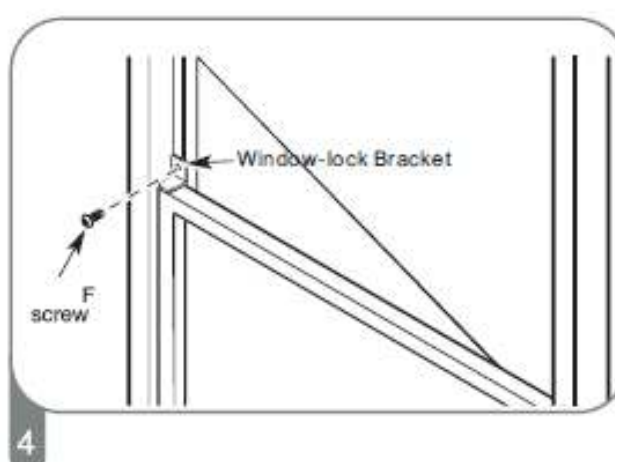
Cut the foam seal L (adhesive type) & M (adhesive type-shorter) to the proper length, and attach it to the window sash and frame.



Cut the foam seal A (Non-adhesive type) to the window width. Stuff the foam seal A between the glass and the window to prevent air and insects from getting into the room.



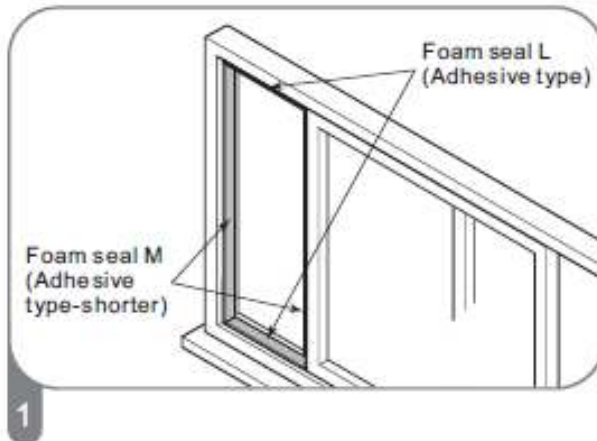
Insert the vent panel assembly, including extension panels, if needed, into the window opening. Extend the extension panels, if used.



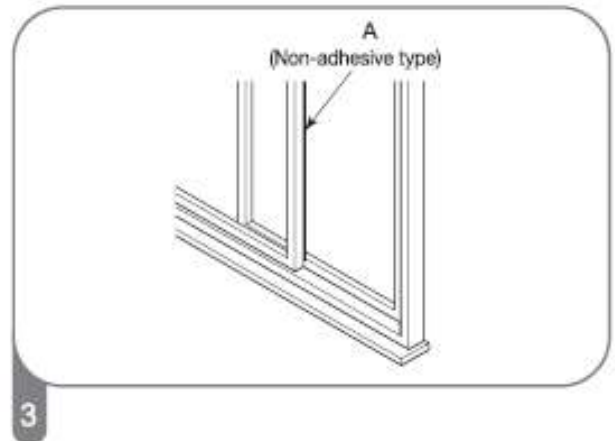
Install the Window-lock bracket with a type F screw as shown if you need.

Installation In Horizontal Sliding Windows

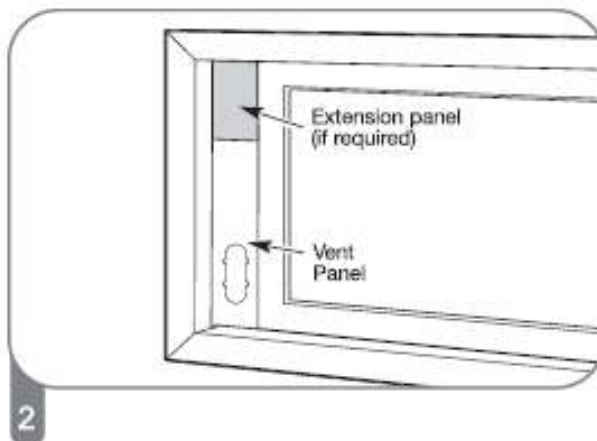
NOTE: The window installation kit can be used with vertical sliding windows between 18" and 50" wide.



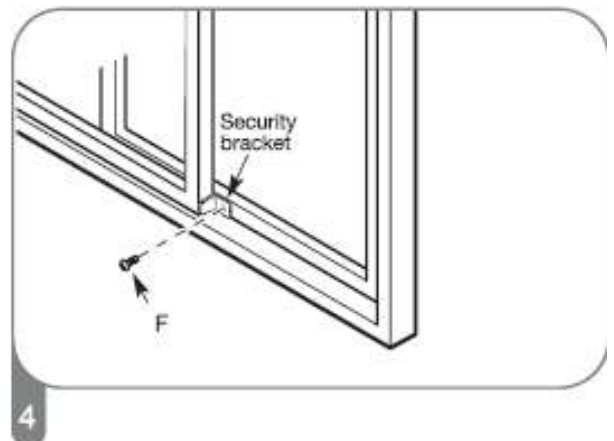
Cut the foam seal L (adhesive type) & M (adhesive type-shorter) to the proper length, and attach it to the window sash and frame.



Cut the foam seal A (Non-adhesive type) to the window width. Stuff the foam seal A between the glass and the window to prevent air and insects from getting into the room.



Insert the vent panel assembly, including extension panels, if needed, into the window opening. Extend the extension panels, if used.



Install the Window-lock bracket with a type F screw as shown if you need.

INSTALLATION REQUIREMENTS

Tools and Parts

Gather the required tools and parts before starting installation. Read and follow the instructions provided with any tools listed here.

Tools needed

- Phillips screwdriver
- Scissors
- Saw
- Cordless drill and 1/8" bit
- Pencil

Parts supplied

The company provide only one plan to install local air conditioner. See "Install Local Air Conditioner" (P4-P8)



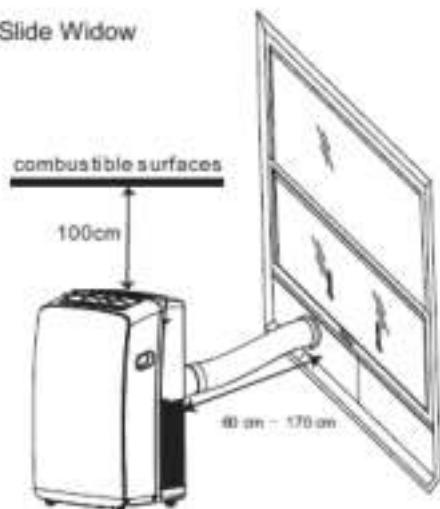
- A. Flexible exhaust hose
- B. Window exhaust adapter
- C. Outer slider section
- D. Rain cover
- E. Inner slider section
- F. Foam seal
- G. Wood screws(4)
- H. Window-lock bracket(2)

Location Requirements

NOTES:

- The flexible exhaust hose allows placement of the air conditioner between 60 cm and 170 cm from window or door. For appliances with supplementary heaters, the minimum clearance from the appliances to combustible surfaces is 100cm.
- Local air conditioners are designed as supplemental cooling to local areas within a room.

Vertical Slide Window



Horizontal Slide Window



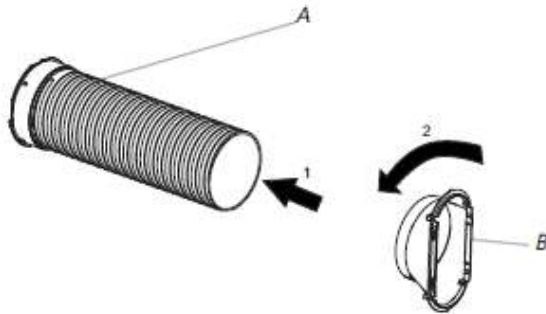
NOTES:

- To ensure proper ventilation, keep the required distance from the return air outlet to the wall or other obstacles at least 23" (60 cm).
- Do not block the air outlet.
- Provide easy access to the grounded 3 prong outlet.

Install Local Air Conditioner(on the window)

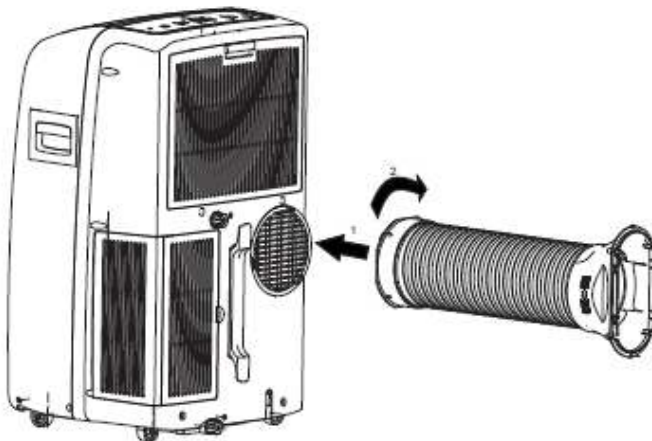
Install Exhaust Hose and Adapter

1. Roll the air conditioner to selected location. see "Location Requirements."
2. Attach the window exhaust adapter to the flexible exhaust hose. Turn anticlockwise until securely locked into place.

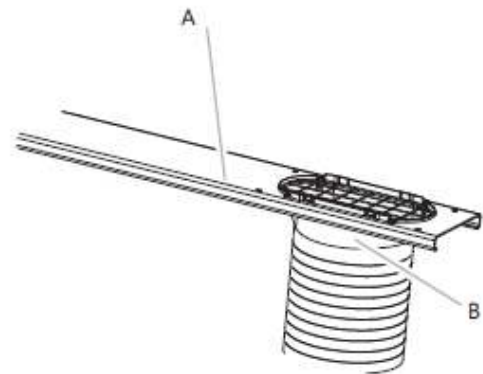


A. Flexible exhaust hose
B. Window exhaust adapter

3. Insert the dummy coupling into the slot on the back of the air conditioner.
4. Put and rotate to lock the hose into place.



A. Flexible exhaust hose

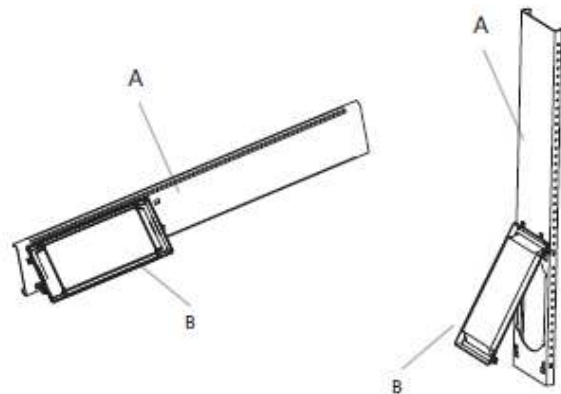


A. Window slider kit
B. Window exhaust adapter

2. Rain cover Installation

Horizontal Installation

Vertical Installation



A. Out slider section B. Rain cover

Attach the rain cover to the holes of the out slider section. Then slide the rain cover until securely locked place.

Window Installation

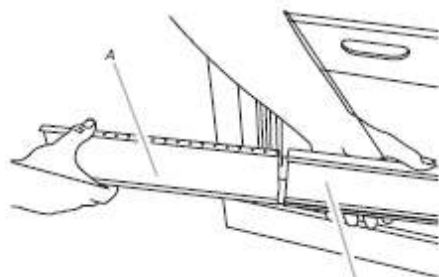
Your window slider kit has been designed to fit most standard vertical and horizontal window applications. Roll the air conditioner to selected location. see "Location Requirements."

1. Insert the windows exhaust adapter into the slot on the window slider kit.

3. Open the window.

4. Measure the window opening.

If the window opening is too narrow for the window slider kit, remove the inner slider section from the window slider kit.



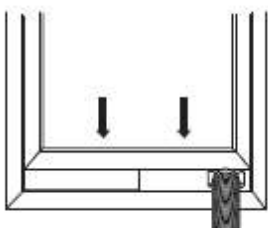
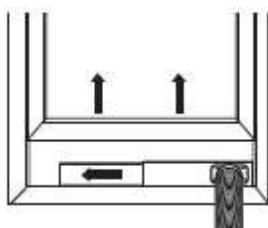
A. Inner slider section
B. Outer slider section

5. Use a special plastic device with spring to fix the window brackets: Place the device to the position A, the pin may stretch out then lock the brackets, when place the device to position B, the pin will draw back and the brackets will be released. the window slider kit.

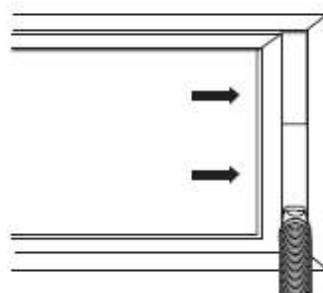
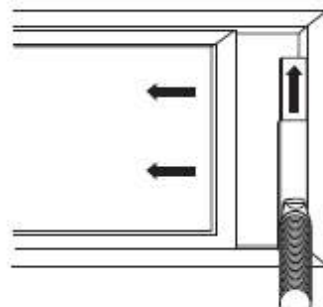


position B position A

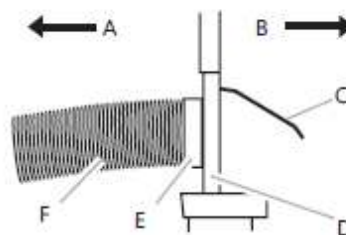
6. Place the window slider kit into the window, extending it to fit the width of the window. Be sure the rain cover is on the outside of the window.



NOTE: For casement window installation, the window slider kit may be installed vertically with the window slider kit opening at the bottom.



7. Close the window onto the window slider kit to secure.

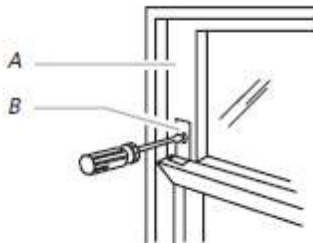


A. To local air conditioner
B. Outdoors
C. Rain cover

D. Window slider kit
E. Window exhaust adapter
F. Flexible exhaust hose

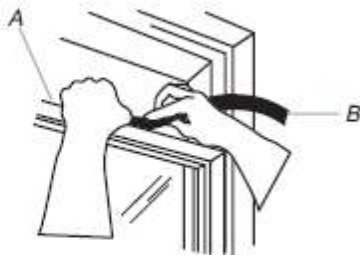
Complete Installation

1. Place the window-lock bracket on top of the lower window and against the upper window sash.
2. Use 1/8" drill bit to drill a starter hole through the hole in the bracket.
3. Attach the window-lock bracket to the window sash with wood screw(provide 4) to secure the window in place.



A. Upper window sash
B. Window-lock bracket

4. Insert the foam seal behind the top of the lower window sash and against the glass of the upper window.



A. Top of lower window sash
B. Foam seal

⚠ WARNING



Electrical Shock Hazard

Plug into a grounded 3 prong outlet.

Do not remove ground prong.

Do not use an adapter.

Do not use an extension cord.

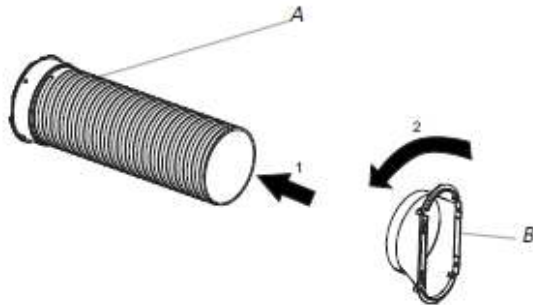
Failure to follow these instructions can result in death, fire, or electrical shock.

5. Plug into a grounded 3 prong outlet.

Install Local Air Conditioner(through the wall)

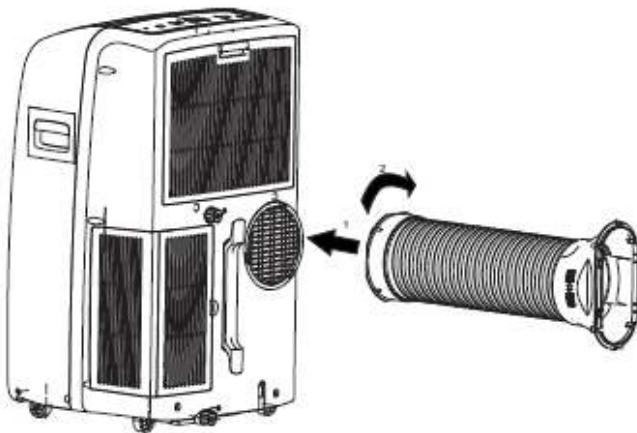
Install Exhaust Hose and Adapter

1. Roll the air conditioner to selected location, see "Location Requirements."
2. Attach the window exhaust adapter to the flexible exhaust hose. Turn anticlockwise until securely locked into place.



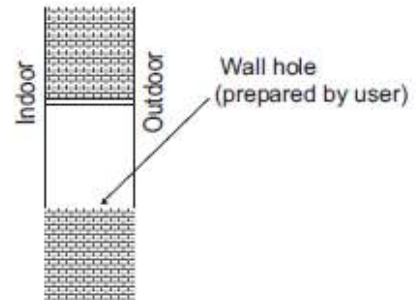
A. Flexible exhaust hose
B. Window exhaust adapter

3. Insert the dummy coupling into the slot on the back of the air conditioner.
4. Put and rotate to lock the hose into place.



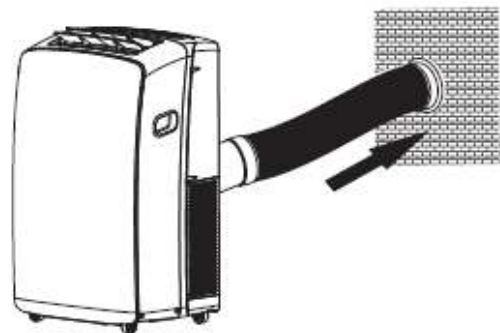
Drill a Hole for wall cover

1. Decide the position of hole for wall cover according to the location of mounting plate.
2. Drill a hole on the wall. The hole should a little bigger than wall cover.
3. Install wall cover through the wall hole to keep the wall tidy and clean, fixed with four screws.



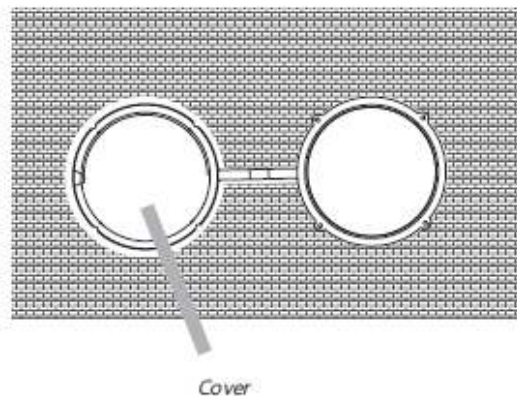
Insert the wall exhaust adapter to wall cover

1. Insert the dummy coupling into the wall cover on the wall.



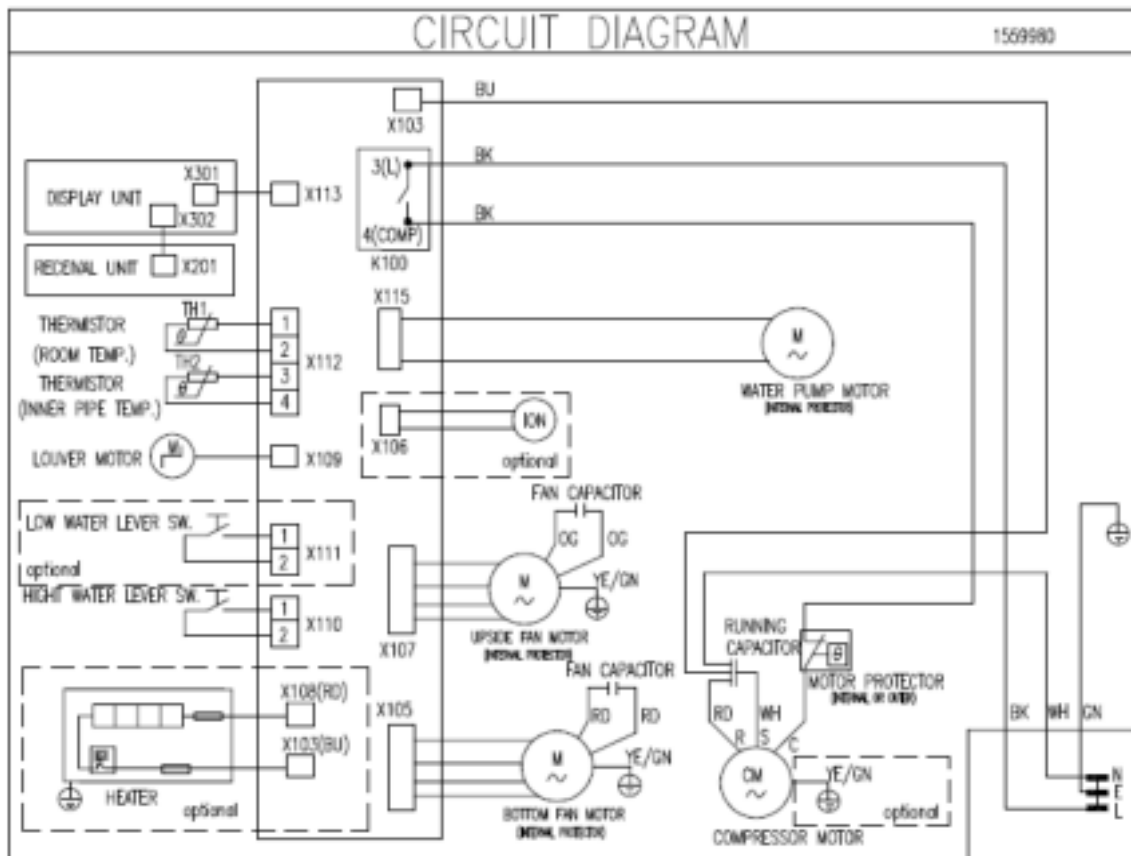
Insert the wall exhaust adapter to wall cover

1. Remove wall exhaust adapter from the wall cover.
2. Cover the wall cover.

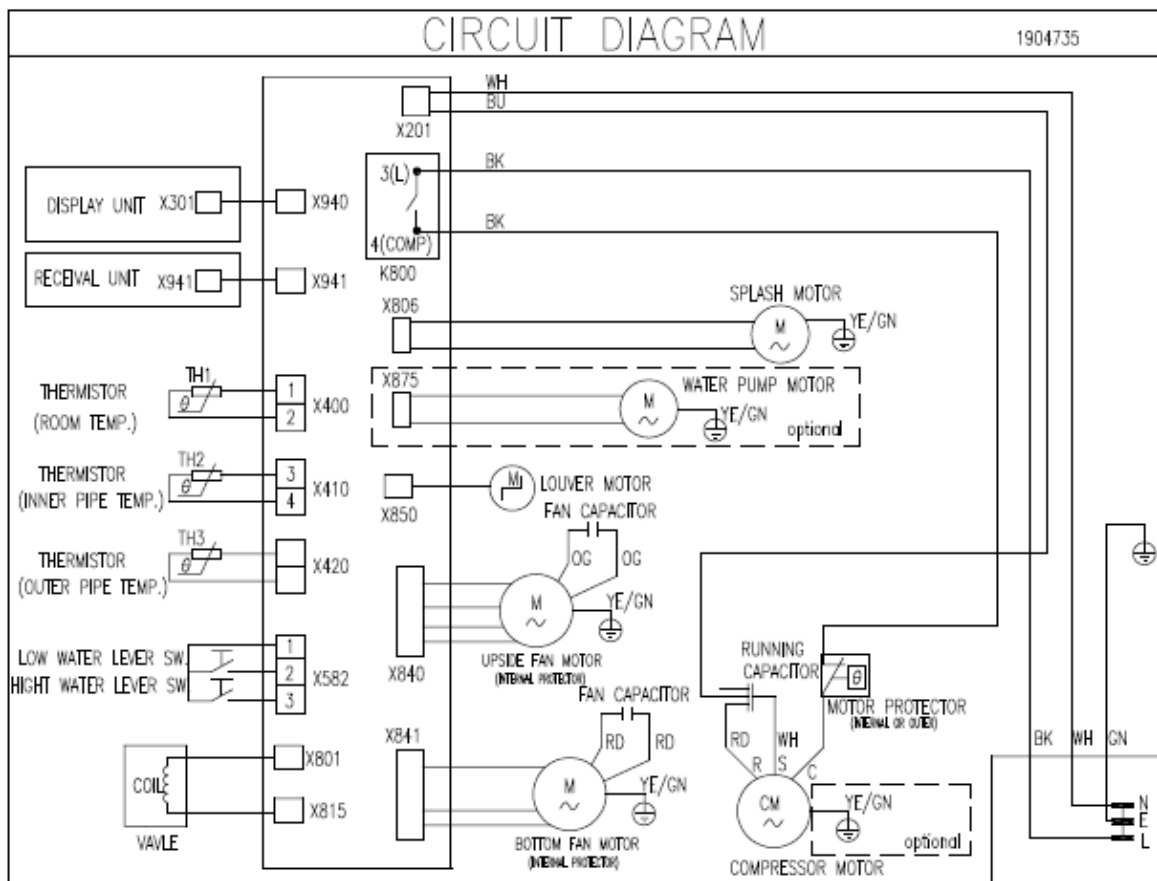


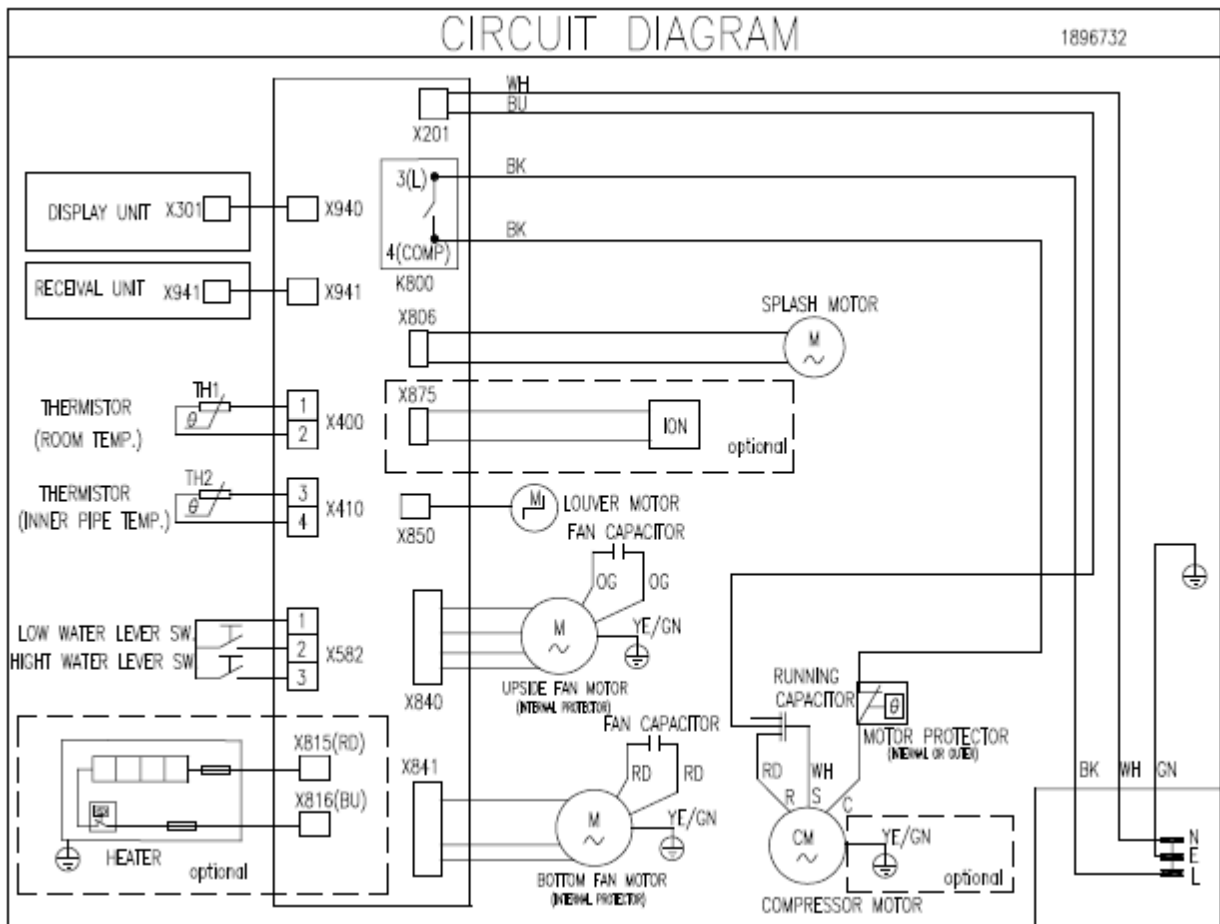
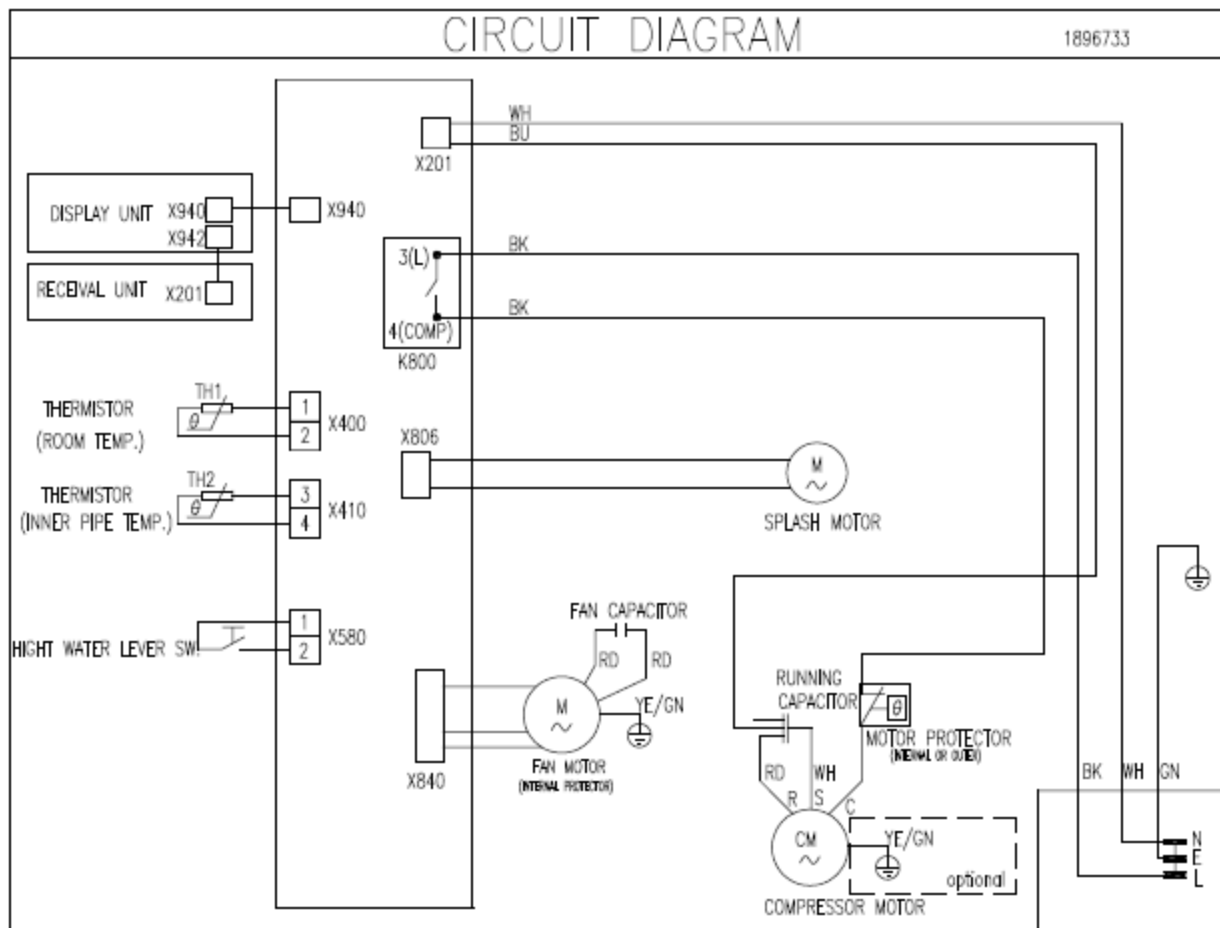
4-2. Electric Wiring Diagram

Model: AP-05CR1SEJS1、AP-07CR1SEJS1、AP-09CR1SEJS、AP-10CR1SEJS、AP-12CR1SEJS、AP-14DR1SFJS2

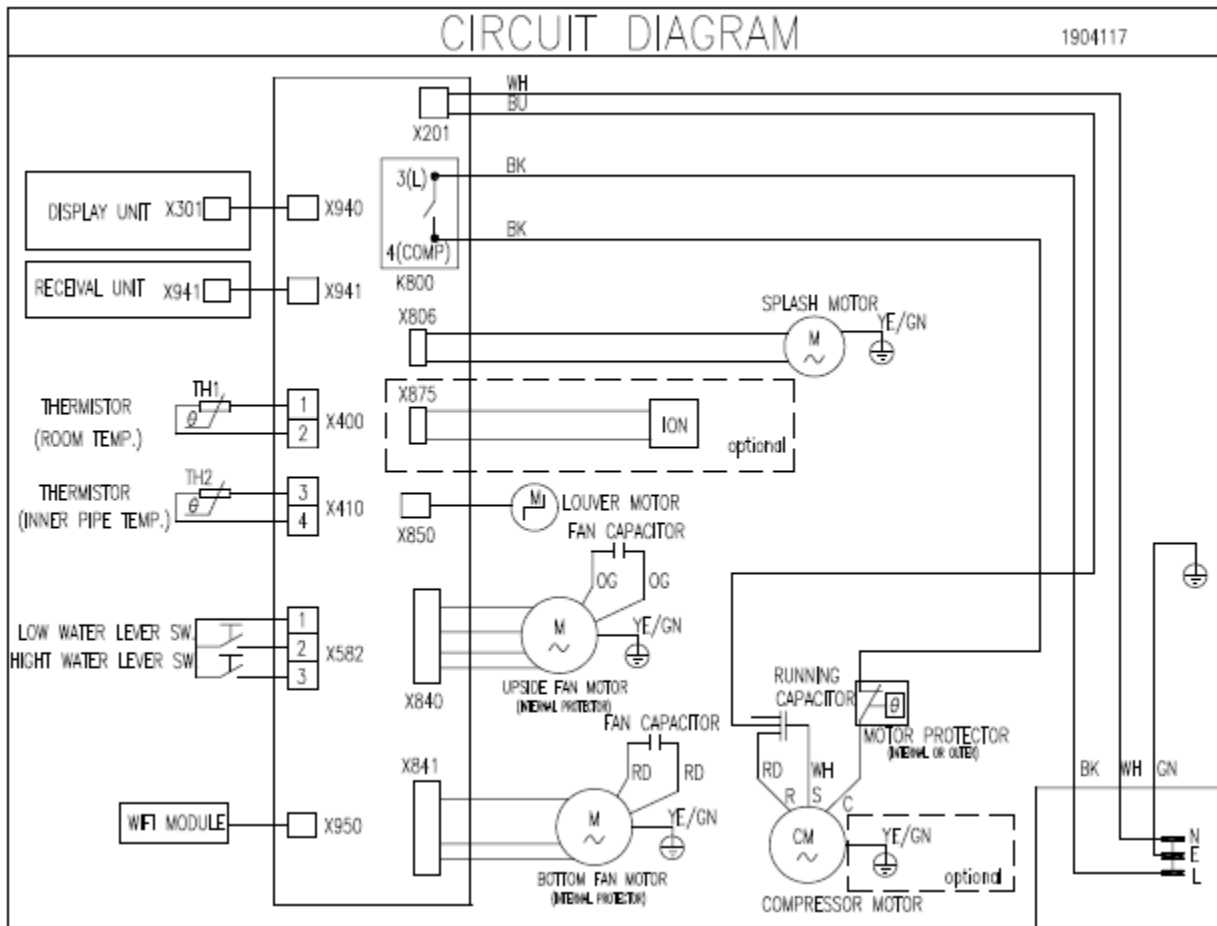


Model: AP-13HR1SGRS00

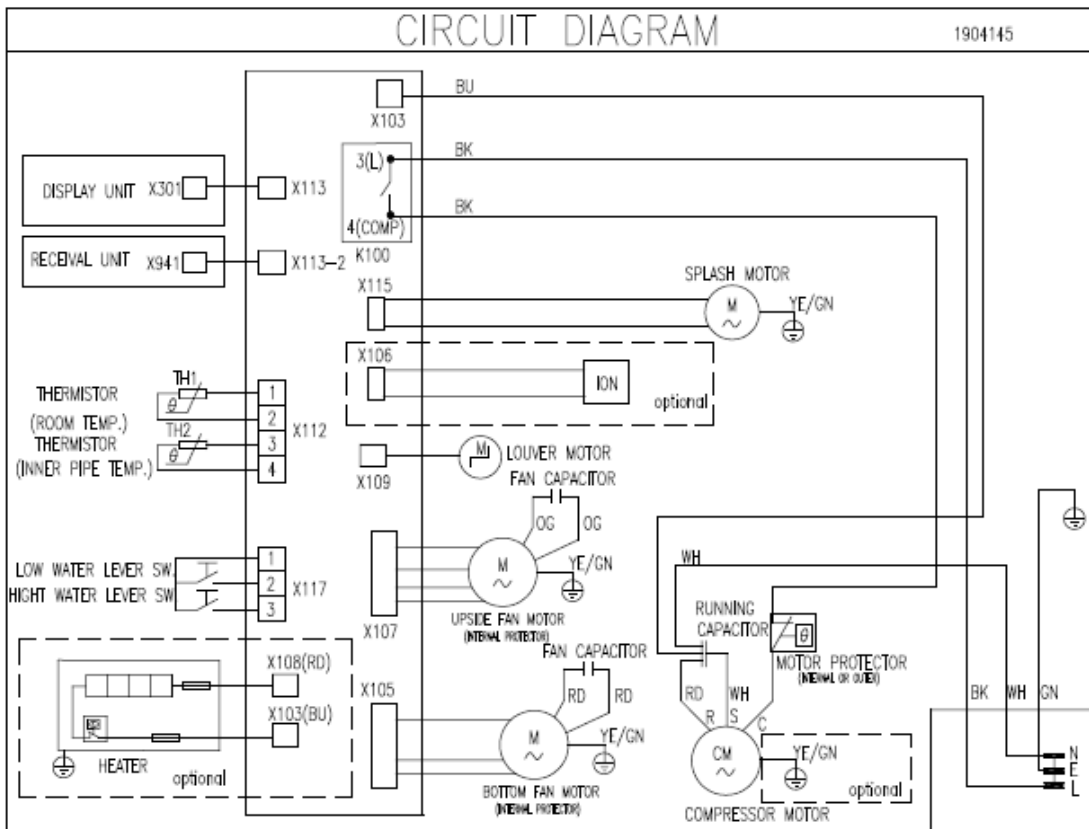




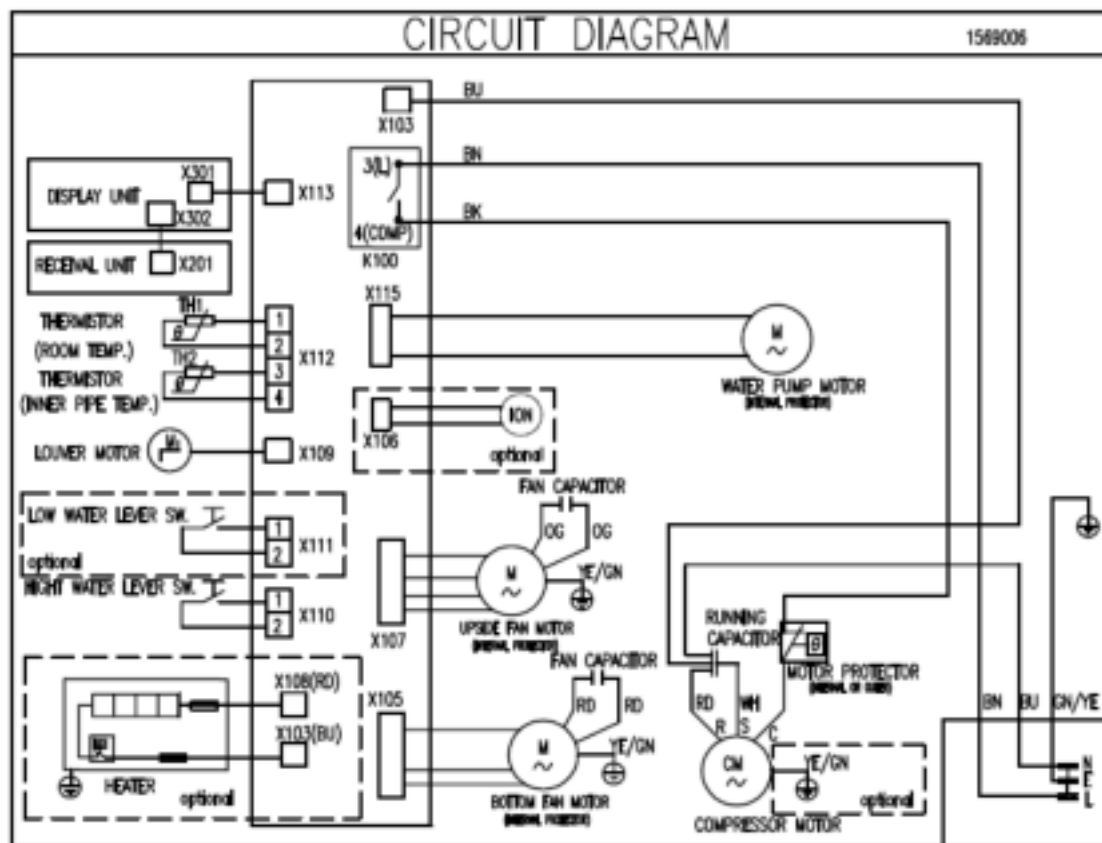
Model: AP-10CW1SGRS00



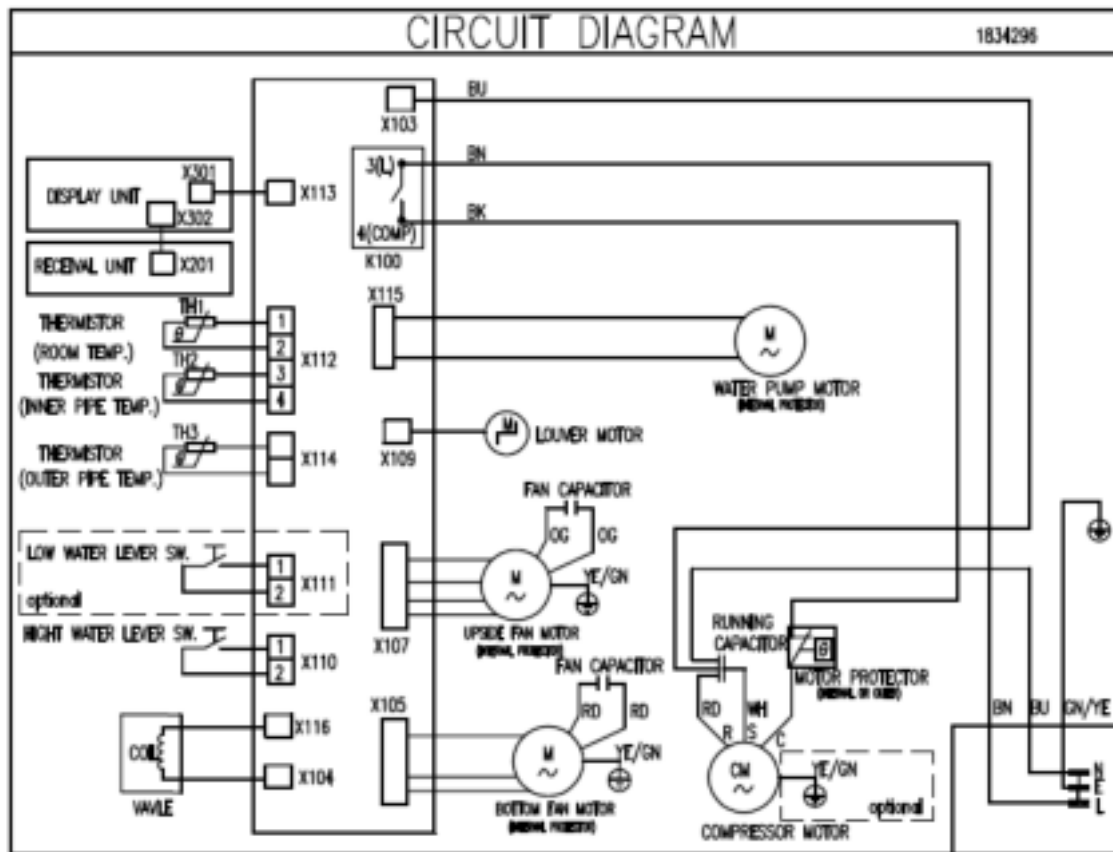
Model: AP-14DR1SFTS00、AP-14CR1SFTS00



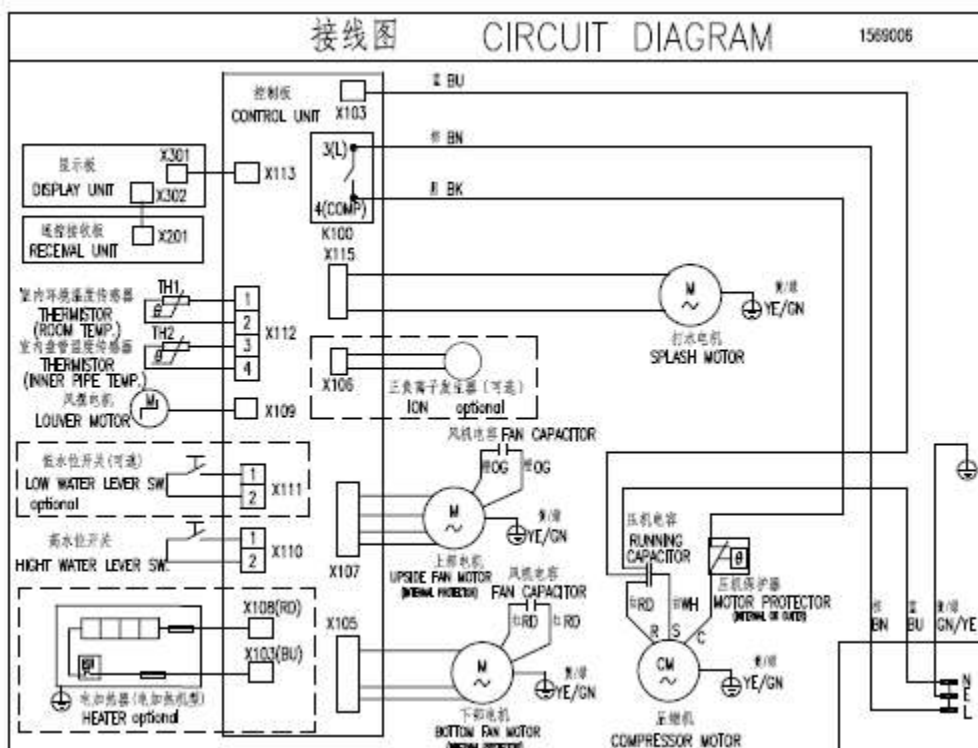
Model: +AP-12CR4SFJS、AP-12CR4RFJS00



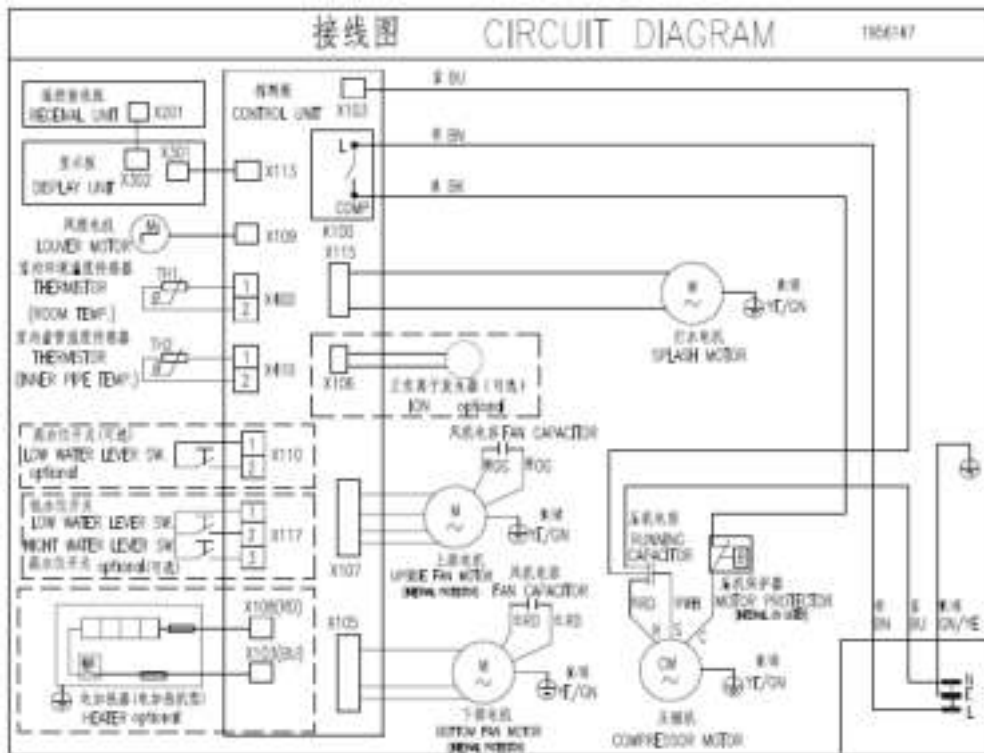
Model: AP-12HR4SFJS1



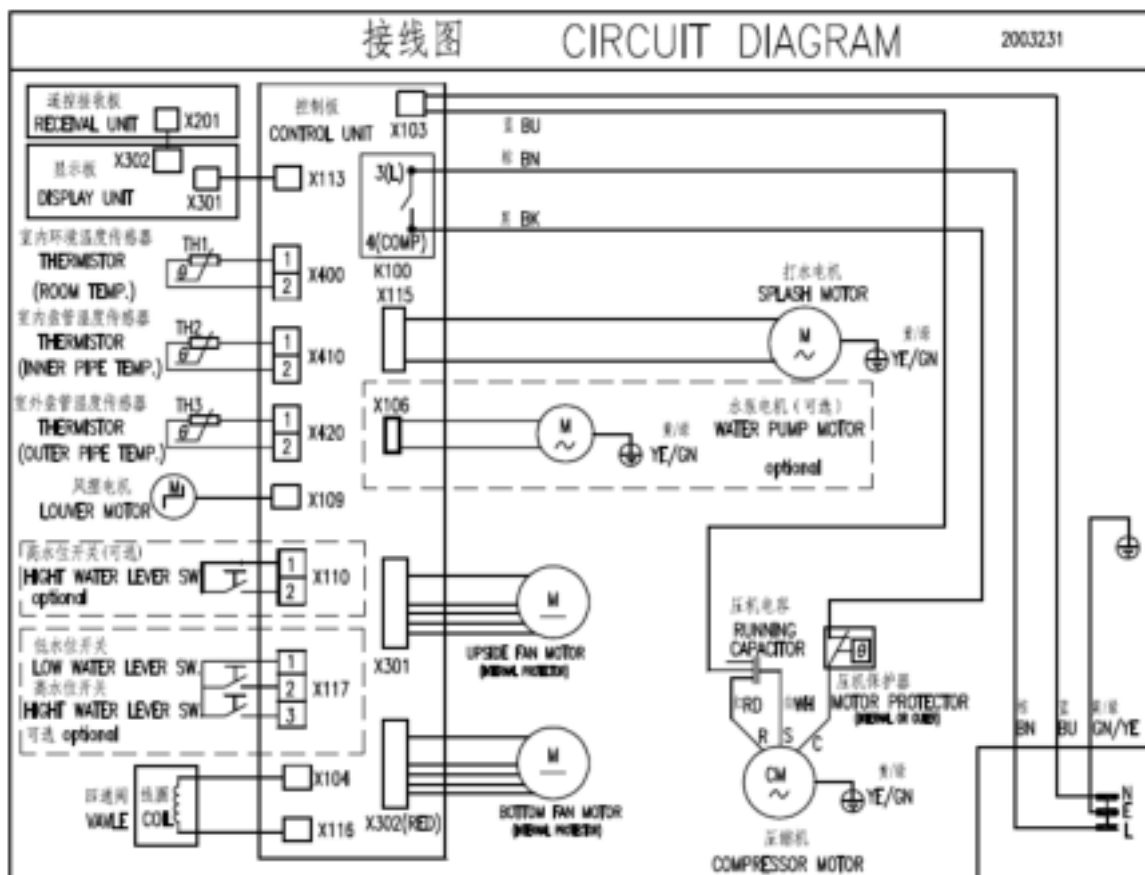
Model: AP-12CR4SFMS00、AP-09CR4SFMS01



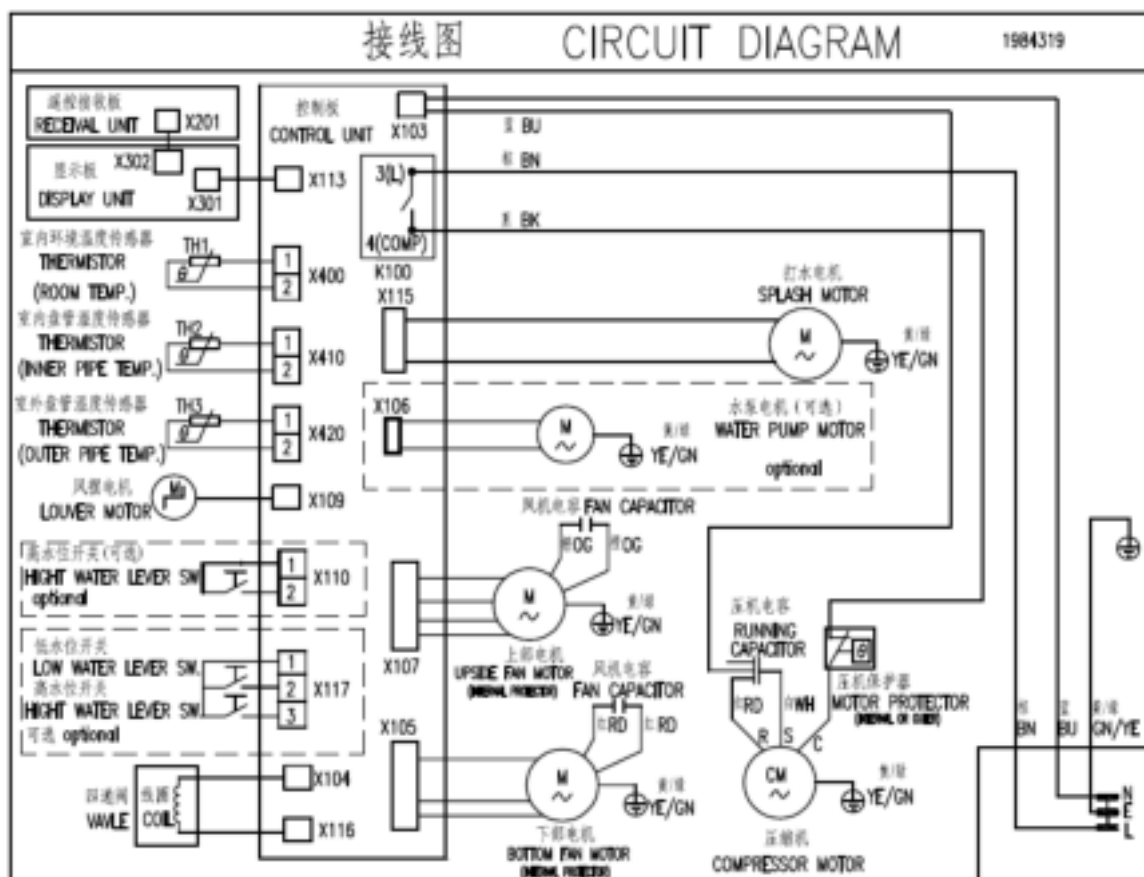
Model: AP-12CR4RFJS00、AP-12CR4RFLS00



Model : +AP-09HR4GFMS01(WLP)、+AP-09HR4GFTS01、+AP-09HR4GFJS01、+AP-09HR4GFLS01

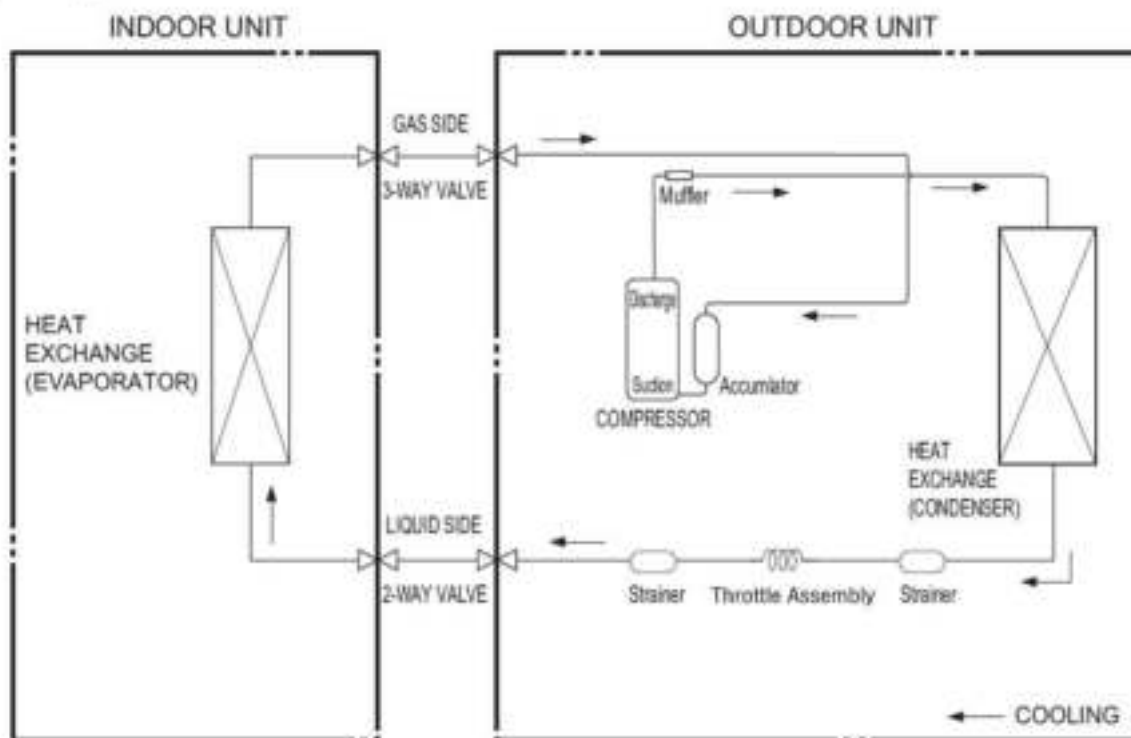


Model: +AP-12HR4GFMS00(WLP)、+AP-12CR4GFMS00(WLP)、+AP-12HR4GFJS00、+AP-12HR4GFLS00、+AP-09CR4GFMS00(WLP)、+AP-09CR4GEJS00、+AP-09CR4GEPS00、+AP-09CR4GELS00、AP-12HR4SEJS00、+AP-12CR4GFJS00、+AP-12CR4GFLS00、

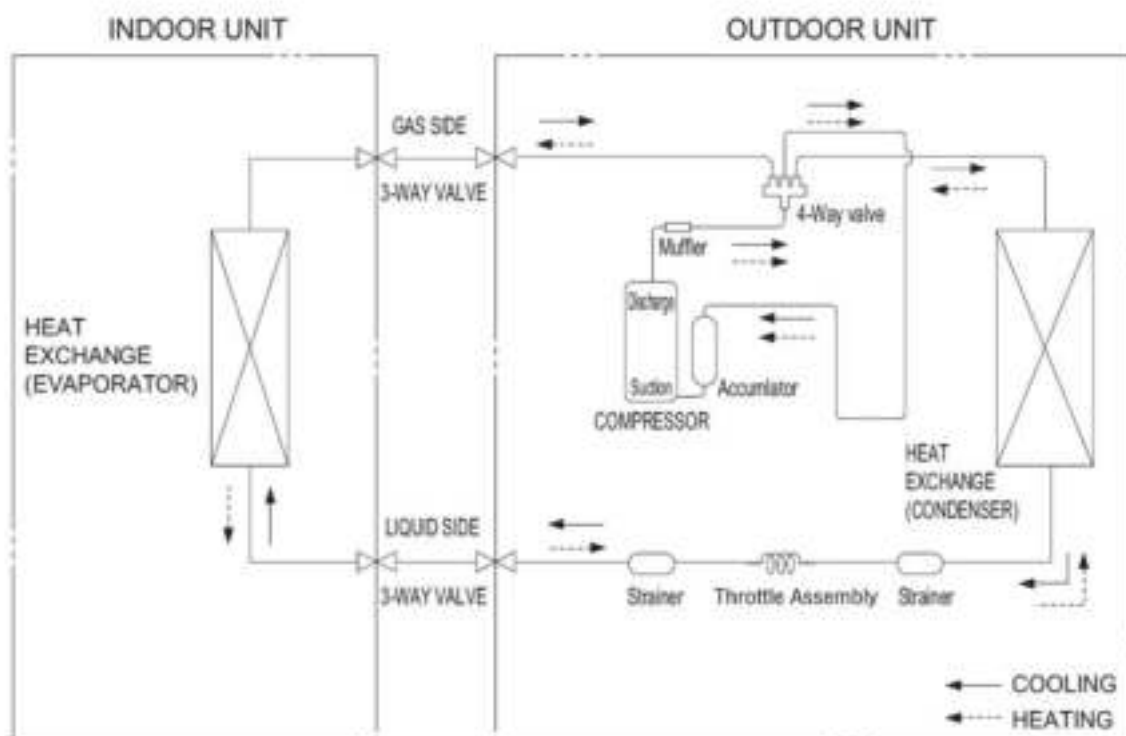


4-3. Refrigerant Flow System

(1)Cooling



(2)Cooling&Heating



NOTE: In different models, the throttle assembly may be Capillary or Electronic expansion valve.

4-4. Test Running

△Check after Installation

Items to be checked	Possible malfunction
Has it been fixed firmly?	The unit may drop, shake or emit noise.
Have you done the refrigerant leakage test?	It may cause insufficient cooling(heating)capacity
Is heat insulation sufficient?	It may cause condensation and dripping.
Is water drainage satisfactory?	It may cause condensation and dripping.
Is the voltage in accordance with the ratedvoltage marked on the nameplate?	It may cause electric malfunctionordamagethe product.
Is the electric wiring and piping connectioninstalled correctly and securely?	It may cause electric malfunction or damagethe part.
Has the unit been connected to a secureearth connection?	It may cause electrical leakage.
Is the power cord specified?	It may cause electric malfunctionordamagethe part.
Are the inlet and outlet openings blocked?	It may cause insufficient cooling(heating)capacity.
Is the length of connection pipes andrefrigerant capacity been recorded?	The refrigerant capacity is not accurate.

△Operation Test

1.Before Operation Test

- (1)Do not switch on power before installation is finished completely.
- (2)Electric wiring must be connected correctly and securely.
- (3)Cut-off valves of the connection pipes should be opened.
- (4)All the impurities such as scraps and thrums must be cleared from the unit.

2.Operation Test Method

- (1)Switch on power and press "ON/OFF" button on the remote controllerto start the operation.
- (2)Press MODE button to select the COOL, HEAT (Cooling only unit is not available), FAN to check whether the operation is normal or not.

5. Function Operation

5-1. Operation Range (cooling and heating)

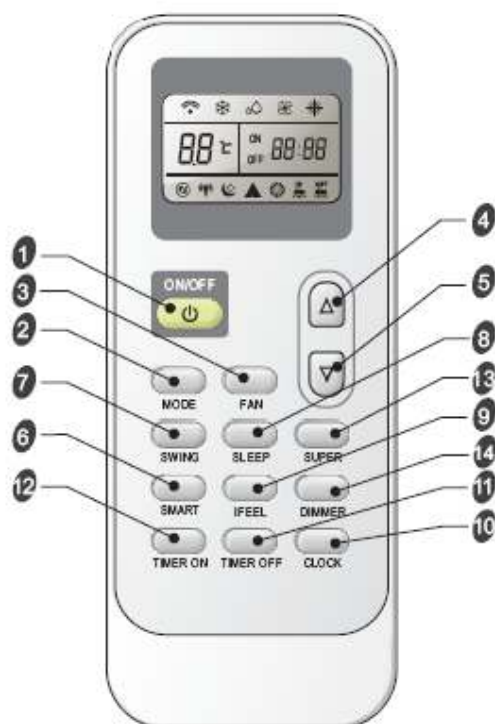
	Temperature	Indoor Air Intake Temp.
COOLING	Maximum	35℃ D.B./24℃ W.B.
	Minimum	21℃ D.B./15℃ W.B.
ELECTRIC HEATER	Maximum	32℃ D.B./--
	Minimum	/
HEAT PUMP	Maximum	27℃ D.B./18℃ W.B.
	Minimum	7℃ D.B/6℃ W.B

5-2. Remote Controller Operation & Function

△Remote Controller Instruction

Remote control

NOTE: Remote control may differ in appearance.



Button and Function

1	ON/OFF	ON/OFF	8	SLEEP	SLEEP
2	MODE	MODE	9	IFeel	IFeel
3	FAN	FAN	10	CLOCK	CLOCK
4	UP	UP	11	Timer Off	Timer Off
5	DOWN	DOWN	12	Timer On	Timer On
6	SMART	SMART	13	SUPER	SUPER
7	SWING	SWING	14	DIMMER	DIMMER

Indication symbols

Indication symbols on LCD:

❄️ Cooling indicator	🌀 Auto fan speed
💧 Dry indicator	🌀 High fan speed
🌀 Fan only indicator	🌀 Medium fan speed
☀️ Heating indicator	🌀 Low fan speed

▲ Smart indicator	📶 Signal transmit.
🌙 Sleep indicator	ON 88:88 Display set timer
🌙 Ifeel indicator	OFF 88:88 Display current time
🕒 Super indicator	88℃ Display set temperature

5-3.FunctionInstruction

Y1E、Y1F model:

LOCAL AIR CONDITIONER USE

Operating your local air conditioner properly helps you to obtain the best possible results.

This section explains proper air conditioner operation.

IMPORTANT:

- The air conditioner display shows the current room temperature.
- When changing modes while the air conditioner is operation, the compressor will stop for 3 to 5 minutes before restarting.

- If a button is pressed during this time, the compressor will not restart for another 3 to 5 minutes.
- In Cooling or Dry mode, the compressor and condenser fan will stop when the room temperature reaches the set temperature.

NOTE: In the event of a power failure, your air conditioner will operate at the previous settings when the power is restored.

Starting Your Local Air Conditioner



NOTE: The symbols may be different from these models, but the functions are similar.

1. Select the mode. See "MODE".
2. Select the fan speed. See "FAN".
3. Set the temperature. See "TEMPERATURE".
4. Press POWER button to start the air conditioner.



POWER

NOTE:

When the air conditioner is turned on for the first time after it is plugged in, it will run in the Smart Mode control. When the air conditioner is turned on at all other times, it will run according to the previous setting. Smart Mode can be selected with the remote control only.

Only if the unit is operated in UNLIKELY VERY HUMID air, water will be collected in the container inside the unit. If the water container is full, the air conditioner will stop. The screen will displays "E5" to inform you to empty the internal container.

Mode

Operating modes:

1. Press and release MODE until you see the symbol flashes for the desired setting.



MODE

2. Choose Cooling, Dry, Fan Only or Heating.

Cooling-Cools the room. Press FAN to select High, Mid or Low. Press the Plus or Minus button to adjust the temperature.

COOL

Dry-Dries the room. The air conditioner automatically selects the temperature. The fan runs on Low speed only.

NOTE: Dry mode should not be used to cool the room.

DRY

Fan Only-Only the fan runs. Press FAN to select High, Mid or Low.

FAN

Heating-heats the room. Press FAN to select high, Mid or Low. Press the PLUS or MINUS button to adjust the temperature.

NOTE: Heating is NOT available for cooling only air conditioner.

HEAT

Fan Speed

1. Press and release FAN to choose the desired fan speed.



FAN

2. Choose High, Mid or Low.

Auto-automatically controls the fan speed depending on the current room temperature and temperature control setting.

High-for maximum fan speed

HIGH

Mid-for normal fan speed

MED

Low-for minimum fan speed

LOW

Temperature

Press the PLUS button to raise the temperature. Press the PLUS button once to increase the set temperature by 1°C.



Press the MINUS button to lower the temperature. Press the MINUS button once to decrease the set temperature by 1°C.



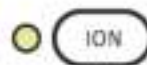
NOTE:

In the Cooling mode, the temperature can be set between 16°C and 30°C.

In Fan Only mode, the temperature cannot be set.

ION (Optional)

Press the ION button to start or stop the Plasma Generator.



When the ION indicator light of the appliance flashes, the Plasma Generator will turn on.

Using the Remote Control

Insert the Batteries

1. Remove the battery cover to the arrow direction.



2. Insert new batteries making sure that the (+) and (-) of battery are matched correctly.
3. Reattach the cover by sliding it back into position.

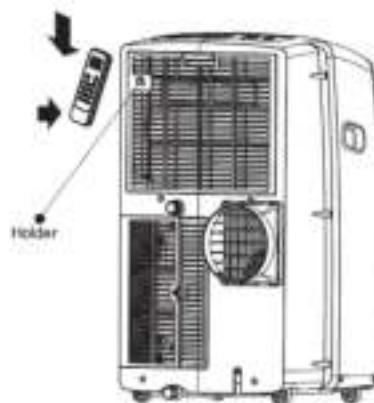


NOTE:

- Use 2 LR03 AAA(1.5volt) batteries. Do not use rechargeable batteries. Replace batteries with new ones of the same type when the display becomes dim, or after 6 months.
- If you reload batteries over after removing the old ones, you will miss the presetting and the timer will go back to Zero.

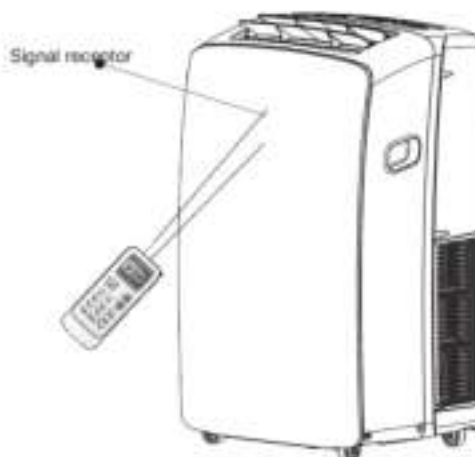
Storage trip

The clip on the back of the unit can be used to store the remote control.



How to Use

To operate the room air conditioner, aim the remote controller to the signal receptor. The remote control will operate the air conditioner at a distance of up to 23' (7m) when pointing at signal receptor of the air conditioner.



Remote control

NOTE: Remote control may differ in appearance.



Button and Function

1		ON/OFF	8		SLEEP
2		MODE	9		IFEEL
3		FAN	10		CLOCK
4		UP	11		Timer Off
5		DOWN	12		Timer On
6		SMART	13		SUPER
7		SWING	14		DIMMER

Indication symbols

Indication symbols on LCD:

	Cooling indicator		Auto fan speed
	Dry indicator		High fan speed
	Fan only indicator		Medium fan speed
	Heating indicator		Low fan speed

	Smart indicator		Signal transmit.
	Sleep indicator	ON	Display set timer
	Ifeel indicator	OFF	Display current time
	Super indicator	88°C	Display set temperature

Power On or Off

Press ON/OFF button to turn on or off the unit



NOTE:

- Changing modes during operating. Sometimes the unit does not response at once. Wait 3 minutes.
- Wait 3 minutes before restarting the appliance.

Mode

1. Press MODE repeatedly until you see the symbol flashes for the desired setting.



2. Choose Cooling, Dry, Fan Only and heating.

■ Cooling-Cools the room. Press FAN to select AUTO, HIGH, MID or LOW.
Press the UP or DOWN button to adjust the temperature.



- **Dry**-Dries the room. The air conditioner automatically selects the temperature. The fan runs on Low speed only.

NOTE: Dry mode should not be used to cool the room. A decrease or rise of up to 2°C can be set with the remote controller if you still feel uncomfortable.



- **Fan Only**-Only the fan runs. Press FAN button to adjust fan speed.



NOTE: Auto fan speed cannot be selected in Fan Only mode.

- **Heating**-Heats the room. Press FAN to select the fan speed. Press the up or down TEMP button to adjust the temperature.



SMART Mode

Press the SMART button, Smart mode (fuzzy logic operation) is directly regardless of the unit is on or off. In this mode, temperature and fan speed are automatically set based on the actual room temperature.



Operation mode and temperature are determined by indoor temperature.

With Heater models

Indoor temperature	Operation mode	Target temperature
21°C or below	HEATING	22°C
21-23°C	FAN ONLY	
23-26°C	DRY	Room temperature decrease 2°C after operate for 3 minutes
Over 26°C	COOLING	26°C

Cooling only models

Indoor temperature	Operation mode	Target temperature
23°C or below	FAN ONLY	
23-26°C	DRY	Room temperature decrease 2°C after operate for 3 minutes
Over 26°C	COOLING	26°C

NOTE: Temperature, airflow and direction are controlled automatically in smart mode. However, a decrease or rise of up to 2°C can be set with the remote controller if you still feel uncomfortable.

What you can do in  mode		
Your feeling	Button	Adjustment
Uncomfortable because of unsuitable air flow volume	 FAN	Indoor fan speed alternates among High, Medium and Low each time this button is pressed.
Uncomfortable because of unsuitable flow direction	 SWING	Press it once, the louver swings to change airflow direction. Press it again, swings stops.

SUPER

SUPER button is used to start or stop fast cooling or heating.

1. Press SUPER button. The air conditioner automatically sets the fan speed to High and the temperature to 16°C. Fast heating operates at auto fan speed, changing the set temperature automatically to 30°C.



2. To turn off Super control, press any button on the remote control or control panel except Timer On, Timer Off, Clock, Dimmer, I feel and Swing.

NOTE:

- In the SUPER mode you can set airflow direction or timer.
- SMART mode are not available in SUPER mode.
- SUPER button is ineffective in SMART mode.

fast cooling



fast heating



Fan Speed

1. Press FAN button. Choose desired fan speed.

Auto → High → Medium → Low


- Auto-Automatically controls fan speed depending on current room temperature and temperature control setting.

NOTE: Auto fan speed cannot be selected in Fan Only mode.



- High for maximum fan speed



- Mid for normal fan speed



- Low for minimum fan speed



Temperature

- Press the UP button to raise the temperature. Press the UP button once to increase the set temperature by 1°C.



- Press the DOWN button to lower the temperature. Press the DOWN button once to decrease the set temperature by 1°C.



NOTES:

- In the Cooling and Heating mode, the temperature can be set between 16°C and 30°C.
- In Fan Only mode, the temperature cannot be set.

Sleep mode

SLEEP mode can be set in Cooling, Heating or Dry operation mode. This function gives you a more comfortable environment for sleep.



NOTE:

- The appliance will stop operation automatically after operating for 8 hours.
- Fan speed is automatically set at low speed.
- In the Cooling mode, if the current room temperature is below 26°C, the temperature will automatically increase 1°C during the first hour after Sleep control is activated, then remain the same. If room temperature is 26°C or above, set temperature will not change.
- In Heating mode, set temperature will decrease by 3°C at most for 3 hours constantly, then keeps steady.

1. Press MODE to select Cooling, Heating or Dry.

NOTE: Sleep control cannot be selected when Fan Only or SMART is selected.

2. Press the UP or DOWN button to set the temperature.

3. Press SLEEP. After 5 seconds, the lights on the control panel display will dim.

NOTE: The temperature and airflow direction may be adjusted during Sleep control. The fan speed is automatically set to Low speed. After 5 seconds, the lights on the control panel display will dim again.

4. To turn off Sleep control, press SLEEP, MODE, FAN, ON/OFF, SUPER or wait 8 hours for Sleep control to turn off automatically.

NOTE: The air conditioner will return to previous settings after Sleep control is turned off.

IFeel

The temperature sensor built in remote controller is activated. It can sense its surrounding temperature, and transmit the signal back the unit, the unit can adjust the temperature so as to provide maximum comfort.



NOTE:

Used to set IFeel mode operation. Press it once, the IFeel function will be started. Press it again, the IFeel function will be shut off. If the IFeel function can't be shut off, please try to press this button about 5 seconds.

Advice to put the remote controller in the place where the indoor unit receive signal easily.

Advice to cancel the IFeel mode so as to save energy when stopping the air conditioner.



DIMMER

Press the DIMMER button to turn off the light and the display in the unit.



NOTE:

- When the light is off, receive signal will turn on the light again.

Clock function

1. You can or adjust the real time by pressing CLOCK button



2. Using the Up and Down buttons to get the correct time.



3. Press CLOCK button again the real time is set.

TIMER ON/OFF

It is convenient to set the timer on with TIMER ON/OFF buttons before you leave so that you will come back to the comfortable room temperature you set.

NOTE: It is real timer control, you should set the CLOCK first.

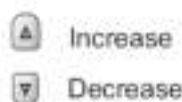
To TIMER ON

TIMER ON button can be used to turn on the unit automatically at the time you set.

1. Press TIMER ON, Then "On 12:00" flashes on the LCD.



2. Press the UP or DOWN button to get your desired time to turn on the appliance.



- Press the UP or DOWN button once to increase or decrease the time setting by 1 minute.
- Press and hold the UP or DOWN button for 2 seconds to increase or decrease the time setting by 10 minutes.
- Press and hold the UP or DOWN button for a longer time to increase or decrease the time setting by 1 hour.

3. When your desired time displayed on LCD, press the TIMER ON button to confirm it.

A "Beep" can be heard, "ON" stops flashing.

The TIMER indicator on the appliance lights up.

4. After your desired time displayed for 5 seconds, the clock will be displayed on the LCD of remote controller instead of the desired time.

To cancel Timer On

Press TIMER ON button again, a "beep" can be heard and the indicator disappears, the TIMER ON mode has been canceled.

NOTE: It is similar to set TIMER OFF, you can make the appliance unit switch off automatically at the time you set.



SWING

Press SWING once to change vertical airflow direction. Press again to stop airflow louver at desired airflow direction.



NOTE:

- Airflow is automatically adjusted to a certain angle in accordance with the operation mode after turning on the unit.
- The direction of airflow can be also adjusted to your own requirement by pressing the SWING button.
- Do not turn the vertical adjustment louvers manually, otherwise malfunctions may occur, if that happens, turn off the unit first and cut off the power supply, then restore power supply again.

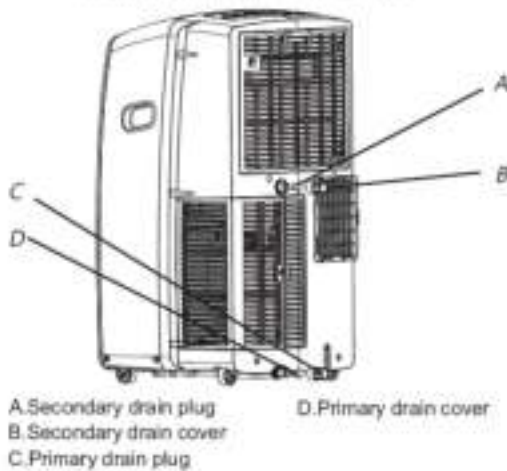
Normal Sounds

When your air conditioner is operating normally, you may hear sounds such as:

- Air movement from the fan.
- Clicks from the thermostat cycle.
- Vibrations or noise due to poor wall or window construction.
- A high-pitched hum or pulsating noise caused by the modern high-efficiency compressor cycling on and off.

LOCAL AIR CONDITIONER CARE

Draining the Air Conditioner



⚠ WARNING

Excessive Weight Hazard

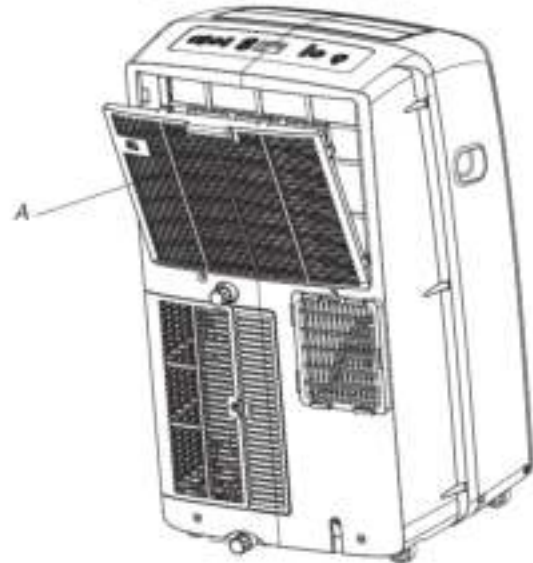
Use two or more people to move and install air conditioner.
Failure to do so can result in back or other injury.

1. Unplug the air conditioner or disconnect power.
2. Move the air conditioner to a drain location or outside.
NOTE: To avoid spilling water from the bucket, move the air conditioner slowly and keep it level.
3. Remove the primary drain cover and plug.
4. Drain water completely by the drain hole.
NOTE: If the air conditioner will be stored after use, see "Storing After Use".
5. Reinstall the drain plug to the primary drain hole.
6. Reinstall the primary drain cover to the drain hole.
7. Reposition the air conditioner.
8. Plug in the air conditioner or reconnect power.

Cleaning the Outside

1. Press ON/OFF to turn off the air conditioner.
2. Unplug the air conditioner or disconnect power.
3. Remove the air filter and clean separately. See "cleaning the Air Filter".
4. Wipe the outside of the air conditioner with a soft, damp cloth.
5. Plug in the air conditioner or reconnect power.
6. Press ON/OFF to start the air conditioner.

Cleaning the Air Filter



1. Press ON/OFF to turn off the air conditioner.
2. Open the filter panel door on the back of the air conditioner and remove.
3. Remove the air filter from the filter panel door.
4. Use a vacuum cleaner to clean the filter. If the filter is very dirty, wash the filter in warm water with a mild detergent.
NOTE: Do not wash the filter in the dishwasher or use any chemical cleaners.
5. Air dry the filter completely before replacing to ensure maximum efficiency.
6. Reattach the air filter to the filter panel door.
7. Reinstall the filter panel door.
8. Press ON/OFF to start the air conditioner.

Storing After Use

1. Drain the water completely. See "draining the Air Conditioner".
2. Run the air conditioner set to Fan Only for approximately 12 hours to dry the air conditioner.
3. Unplug the air conditioner.
4. Remove the flexible exhaust hose and store with the air conditioner in a clean, dry area. See "installation Instructions".
5. Remove the window kit and store with the air conditioner in a clean, dry area. See "Installation Instructions".
6. Remove the filter and clean. See "Cleaning the Air Filter".
7. Clean the outside of the air conditioner. See "Cleaning the Outside".
8. Reinstall the filter.
9. Remove the batteries and store the remote control with the air conditioner in a clean, dry area.

Y1G model:

Starting Your Portable Air Conditioner

Control panel



NOTE: The symbols may be different from these models, but the functions are similar.

Front display



NOTE: The figures in this manual are based on the external view of a standard model. They may differ from that of the air conditioner you have selected.

Power On or Off



NOTE:

Keep upright at least 2 hours before use to prevent damaging the compressor.

When the air conditioner is turned on for the first time after it is plugged in, it will run in the Cooling Mode (For AP14 series will run in Smart Mode). When the air conditioner is turned on at all other times, it will run according to the previous setting. Smart Mode can only be operated with the remote control.

Mode

1. Press and release MODE until you see the symbol for the desired setting.

Operating modes:



2. Choose Cooling, Dry, Fan or Heating.

Cooling-Cools the room. Press FAN to select High, Mid or Low. Press the Plus or Minus button to adjust the temperature.

 **COOL**

Dry-Dries the room. The air conditioner automatically selects the temperature. The fan runs on Low speed only. Dehumidification ranges between 2 to 3 pints per hour, by model.

NOTE: Dry mode should not be used to cool the room.

 **DRY**

Fan Only mode. Press FAN to select High, Mid or Low.

 **FAN**

Heating-heats the room. Press FAN to select high, Mid or Low. Press the PLUS or MINUS button to adjust the temperature.

NOTE: Heating is NOT available for cooling. To cool, that mode must be selected.

 **HEAT (Optional)**

Fan Speed

1. Press and release FAN to choose the desired fan speed.



2. Choose High, Mid or Low.

Auto-automatically controls the fan speed depending on the current room temperature and temperature control setting.

High-for maximum fan speed

HIGH 

Mid-for normal fan speed

MED 

Low-for minimum fan speed

LOW 

Temperature

Press the PLUS button to raise the temperature. Press the PLUS button once to increase the set temperature by 1°F (1°C).



Press the MINUS button to lower the temperature. Press the MINUS button once to decrease the set temperature by 1°F (1°C).



NOTE:

In the Cooling mode, the temperature can be set between 61°F and 86°F (16°C and 30°C).

In Fan Only mode, the temperature cannot be set.

To change the temperature display between °C and °F press both the Plus and Minus Adjust buttons at the same time.



ION (Optional)

Press the ION button to start or stop the Plasma Generator.



When the ION indicator light of the appliance flashes, the Plasma Generator will turn on.

Using the Remote Control

Insert the Batteries

1. Remove the battery cover along the arrowed direction.



2. Insert new batteries making sure that the (+) and (-) of battery are matched correctly.
3. Re-attach the cover by sliding it back into position.

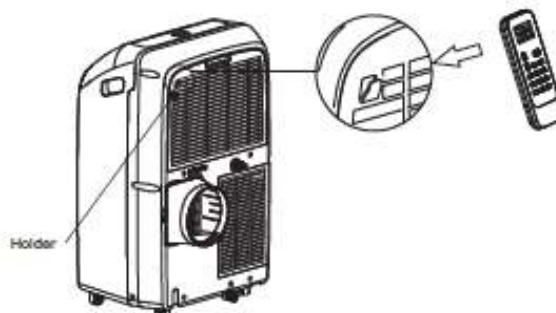


NOTE:

- Use 2 standard AAA (1.5volt) batteries. Do not use rechargeable batteries. Replace batteries with new ones of the same type when the display becomes dim, or after 6 months.
- If you reload batteries after removing the old ones, previous settings will be lost.

Storage tip

The clip on the back of the unit can be used to store the remote control.



How to Use

To operate the room air conditioner, aim the remote controller to the signal receptor. The remote control will operate the air conditioner at a distance of up to 23' (7m) when pointing at signal receptor of the air conditioner.



PORTABLE AIR CONDITIONER CARE

Draining the Air Conditioner



A.Primary drain cover B.Primary drain plug

⚠ WARNING

Excessive Weight Hazard

Use two or more people to move and install the air conditioner.

Failure to do so can result in back or other injury.

1. Unplug the air conditioner or disconnect power.
2. Move the air conditioner to a drain location or outside.

NOTE: To avoid leaking water from the unit, move the air conditioner slowly and keep it level.

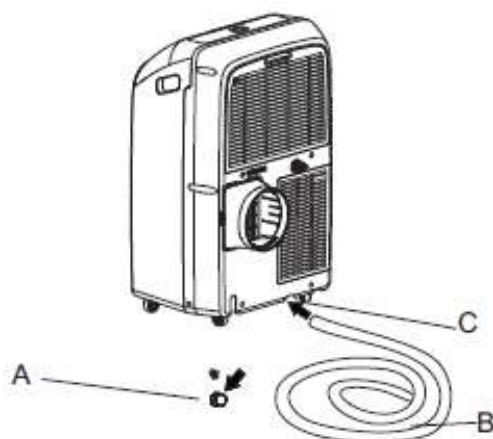
3. Remove the primary drain cover and plug.

4. Drain water completely through the drain hole.

NOTE: If the air conditioner will be stored after use, see "Storing After Use".

5. Reinstall the drain plug to the primary drain hole.
6. Reinstall the primary drain cover to the drain hole.
7. Reposition the air conditioner.
8. Plug in the air conditioner or reconnect power.

Draining the Air Conditioner(Heating mode)



A.Primary drain port
B.Drain hose
C.Primary drain hole

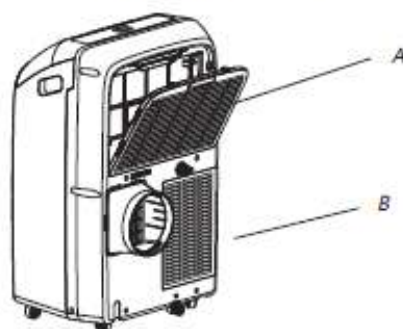
WARNING: Please connect the drain hose on heating mode, or the unit will stop running after the water reaches warning level.

1. Uncover the primary drain port.
2. Attach the drain hose to the primary drain hose. Make sure the connector is no water leak.
3. Place the other end of drain hose into a outfall. Check to see that the hose lies flat and is in the drain. Make sure the hose end that goes to the drain is on a lower level than the hose end that connects to the unit. The hose should not be kinked or pinched.

Cleaning the Outside

1. Press ON/OFF to turn off the air conditioner.
2. Unplug the air conditioner or disconnect power.
3. Remove the air filter and clean separately. See "cleaning the Air Filter".
4. Wipe the outside of the air conditioner with a soft, damp cloth.
5. Plug in the air conditioner or reconnect power.
6. Press ON/OFF to start the air conditioner.

Cleaning the Air Filter



A.Evaporator air intake filter panel door
B.Condenser air intake filter panel door

1. Press ON/OFF to turn off the air conditioner.
2. Open the filter panel door on the back of the air conditioner and remove.
3. Remove the tapping screw from the condenser air intake filter panel door and remove.
4. Use a vacuum cleaner to clean the filter. If the filter is very dirty, wash the filter in warm water with a mild detergent.
NOTE: Do not wash the filter in the dishwasher or use any chemical cleaners.
5. Air dry the filter completely before replacing to ensure maximum efficiency.
6. Reattach the air filter to the filter panel door.
7. Reinstall the filter panel door and tapping screw.
8. Press ON/OFF to start the air conditioner.

Storing After Use

1. Drain the water completely. See "draining the Air Conditioner".
2. Run the air conditioner set to Fan Only for approximately 12 hours to dry the air conditioner.
3. Unplug the air conditioner.
4. Remove the flexible exhaust hose and store with the air conditioner in a clean, dry area. See "installation Instructions".

5. Remove the window kit and store with the air conditioner in a clean, dry area. See "Installation Instructions".
6. Remove the filter and clean. See Cleaning the Air Filter.
7. Clean the outside of the air conditioner. See "Cleaning the Outside".
8. Reinstall the filter.
9. Remove the batteries and store the remote control with the air conditioner in a clean, dry area.

Y1H model:

Starting Your Portable Air Conditioner



NOTE: The symbols may be different from these models, but the functions are similar.

Power On or Off



POWER

NOTE:

Keep upright at least 2 hours before use to prevent damaging the compressor.
When the air conditioner is turned on for the first time after it is plugged in, it will run in the Cooling Mode. When the air conditioner is turned on at all other times, it will run according to the previous setting. Smart Mode can only be operated with the remote control.

Mode

1. Press and release MODE until you see the symbol for the desired setting.

Operating modes:



MODE

2. Choose Cool, Dry, or Fan.

Cooling-Cools the room. Press FAN to select High or Low. Press the Plus or Minus button to adjust the temperature.

COOL

Dry-Dries the room. The air conditioner automatically selects the temperature. The fan runs on Low speed only. Dehumidification ranges between 2 to 3 pints per hour, by model.

NOTE: Dry mode should not be used to cool the room.

DRY

Fan Only mode. Press FAN to select High or Low.

FAN

Fan Speed

1. Press and release FAN to choose the desired fan speed.



FAN

2. Choose High or Low.

Auto-automatically controls the fan speed depending on the current room temperature and temperature control setting.

High-for maximum fan speed

HIGH

Low-for minimum fan speed

LOW

Temperature

Press the PLUS button to raise the temperature. Press the PLUS button once to increase the set temperature by 1°F (1°C).



Press the MINUS button to lower the temperature. Press the MINUS button once to decrease the set temperature by 1°F (1°C).



NOTE: In the Cooling mode, the temperature can be set between 61°F and 86°F (16°C and 30°C).

In Fan Only mode, the temperature cannot be set.

To change the temperature display between °C and °F press both the Plus and Minus Adjust buttons at the same time.



Using the Remote Control

Insert the Batteries

1. Remove the battery cover along the arrowed direction.



2. Insert new batteries making sure that the (+) and (-) of battery are matched correctly.
3. Re-attach the cover by sliding it back into position.

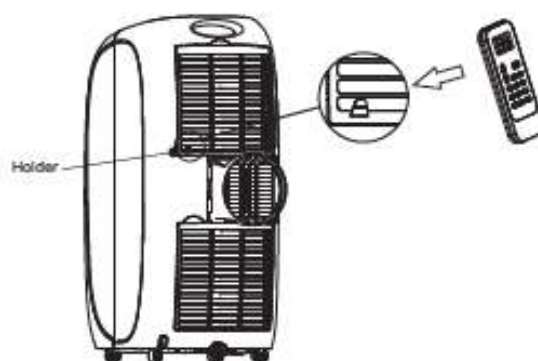


NOTE:

- Use 2 standard AAA (1.5volt) batteries. Do not use rechargeable batteries. Replace batteries with new ones of the same type when the display becomes dim, or after 6 months.
- If you reload batteries after removing the old ones, previous settings will be lost.

Storage tip

The clip on the back of the unit can be used to store the remote control.



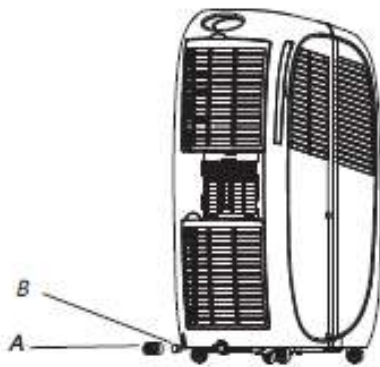
How to Use

To operate the room air conditioner, aim the remote controller to the signal receptor. The remote control will operate the air conditioner at a distance of up to 23' (7m) when pointing at signal receptor of the air conditioner.



PORTABLE AIR CONDITIONER CARE

Draining the Air Conditioner



A.Primary drain cover B.Primary drain plug

WARNING

Excessive Weight Hazard

Use two or more people to move and install the air conditioner.

Failure to do so can result in back or other injury.

1. Unplug the air conditioner or disconnect power.
2. Move the air conditioner to a drain location or outside.

NOTE: To avoid leaking water from the unit, move the air conditioner slowly and keep it level.

3. Remove the primary drain cover and plug.
4. Drain water completely through the drain hole.

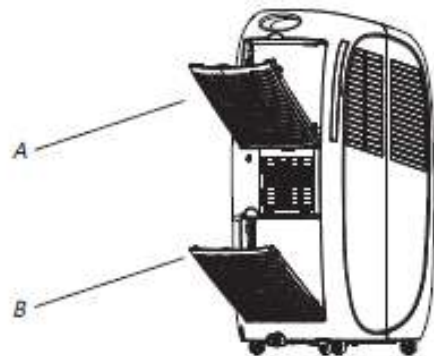
NOTE: If the air conditioner will be stored after use, see "Storing After Use".

5. Reinstall the drain plug to the primary drain hole.
6. Reinstall the primary drain cover to the drain hole.
7. Reposition the air conditioner.
8. Plug in the air conditioner or reconnect power.

Cleaning the Outside

1. Press ON/OFF to turn off the air conditioner.
2. Unplug the air conditioner or disconnect power.
3. Remove the air filter and clean separately. See "cleaning the Air Filter".
4. Wipe the outside of the air conditioner with a soft, damp cloth.
5. Plug in the air conditioner or reconnect power.
6. Press ON/OFF to start the air conditioner.

Cleaning the Air Filter



A.Evaporator air intake filter panel door
B.Condenser air intake filter panel door

1. Press ON/OFF to turn off the air conditioner.
2. Open the filter panel door on the back of the air conditioner and remove.
3. Remove the tapping screw from the condenser air intake filter panel door and remove.
4. Use a vacuum cleaner to clean the filter. If the filter is very dirty, wash the filter in warm water with a mild detergent.
NOTE: Do not wash the filter in the dishwasher or use any chemical cleaners.
5. Air dry the filter completely before replacing to ensure maximum efficiency.
6. Reattach the air filter to the filter panel door.
7. Reinstall the filter panel door and tapping screw.
8. Press ON/OFF to start the air conditioner.

Storing After Use

1. Drain the water completely. See "draining the Air Conditioner".
2. Run the air conditioner set to Fan Only for approximately 12 hours to dry the air conditioner.
3. Unplug the air conditioner.
4. Remove the flexible exhaust hose and store with the air conditioner in a clean, dry area. See "Installation Instructions".
5. Remove the window kit and store with the air conditioner in a clean, dry area. See "Installation Instructions".
6. Remove the filter and clean. See "Cleaning the Air Filter".
7. Clean the outside of the air conditioner. See "Cleaning the Outside".
8. Reinstall the filter.
9. Remove the batteries and store the remote control with the air conditioner in a clean, dry area.

Y1F M panel model:

LOCAL AIR CONDITIONER USE

Operating your local air conditioner properly helps you to obtain the best possible results.

This section explains proper air conditioner operation.

IMPORTANT:

- The air conditioner display shows the setting temperature.
- Only in standby mode the display shows ambient temperature.
- When changing modes while the air conditioner is operation, the compressor will stop for 3 to 5 minutes before

- If a button is pressed during this time, the compressor will not restart for another 3 to 5 minutes.
- In Cooling or Dry mode, the compressor and condenser fan will stop when the room temperature reaches the set temperature.

NOTE: In the event of a power failure, your air conditioner will operate at the previous settings when the power is restored.

Starting Your Local Air Conditioner



NOTE: The symbols may be different from these models, but the functions are similar.

1. Select the mode. See "MODE".
2. Select the fan speed. See "FAN".
3. Set the temperature. See "TEMPERATURE".
4. Press POWER button to start the air conditioner.



POWER

NOTE:

When the air conditioner is turned on for the first time after it is plugged in, it will run in the Smart Mode control. When the air conditioner is turned on at all other times, it will run according to the previous setting.

Only if the unit is operated in UNLIKELY VERY HUMID air, water will be collected in the container inside the unit. If the water container is full, the air conditioner will stop. The screen will displays "E5" to inform you to empty the internal container.

Mode

Operating modes:

1. Press and release MODE until you see the symbol flashes for the desired setting.



MODE

2. Choose Cooling, Dry, Fan Only or Heating.

Cooling-Cools the room. Press FAN to select High, Mid or Low. Press the Plus or Minus button to adjust the temperature.



COOL

Dry-Dries the room. The air conditioner automatically selects the temperature. The fan runs on Low speed only.

NOTE: Dry mode should not be used to cool the room.



DRY

Fan Only-Only the fan runs. Press FAN to select High, Mid or Low.



FAN

Heating-heats the room. Press FAN to select high, Mid or Low. Press the PLUS or MINUS button to adjust the temperature.

NOTE: Heating is NOT available for cooling only air conditioner.



HEAT

Fan Speed

1. Press and release FAN to choose the desired fan speed.



FAN

2. Choose High, Mid or Low.

High-for maximum fan speed



HIGH

Mid-for normal fan speed



MID

Low-for minimum fan speed



LOW

Temperature

Press the PLUS button to raise the temperature. Press the PLUS button once to increase the set temperature by 1°C .



Press the MINUS button to lower the temperature. Press the MINUS button once to decrease the set temperature by 1°C .



NOTES:

- The temperature can be set between 18°C and 32°C .
- In Fan Only mode, the temperature cannot be set.
- In Dry mode, press the PLUS/MINUS button the set temperature change by 2°C .

Clean Filter

1. When CLEAN FILTER indicator light is on, remove, clean and replace air filter. See "Cleaning the Air Filter".
2. Press CLEAN FILTER after cleaning and replacing the air filter to reset the filter monitor.



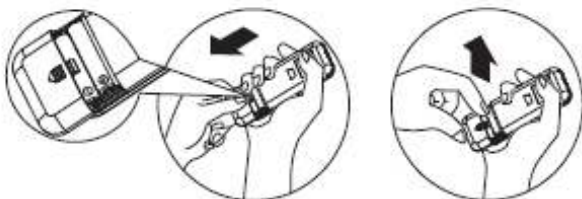
NOTE:

When the light is on, it will remain on for 180 hours or until you press CLEAN FILTER. After 180 hours, it will turn off automatically.

Using the Remote Control

Insert the Batteries

1. Remove the battery cover to the arrow direction.



2. Insert new batteries making sure that the (+) and (-) of battery are matched correctly.
3. Reattach the cover by sliding it back into position.

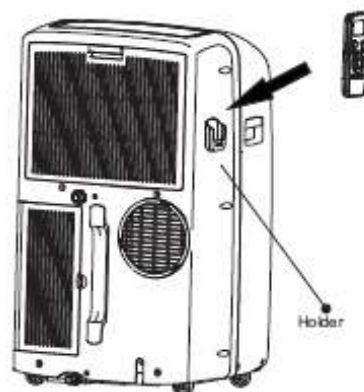


NOTE:

- Use 2 LR03 AAA(1.5volt) batteries. Do not use rechargeable batteries. Replace batteries with new ones of the same type when the display becomes dim, or after 6 months.
- If you reload batteries over after removing the old ones, you will miss the presetting and the timer will go back to Zero.

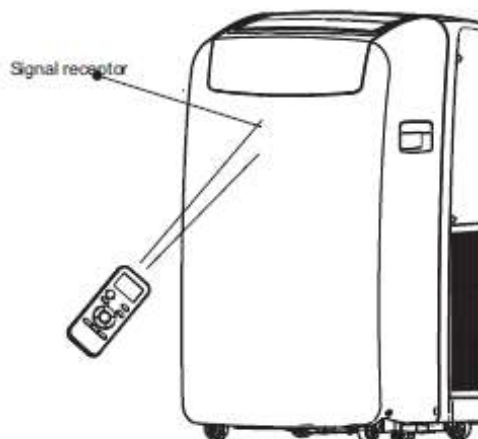
Storage trip

The holder on the back of the unit can be used to store the remote control.



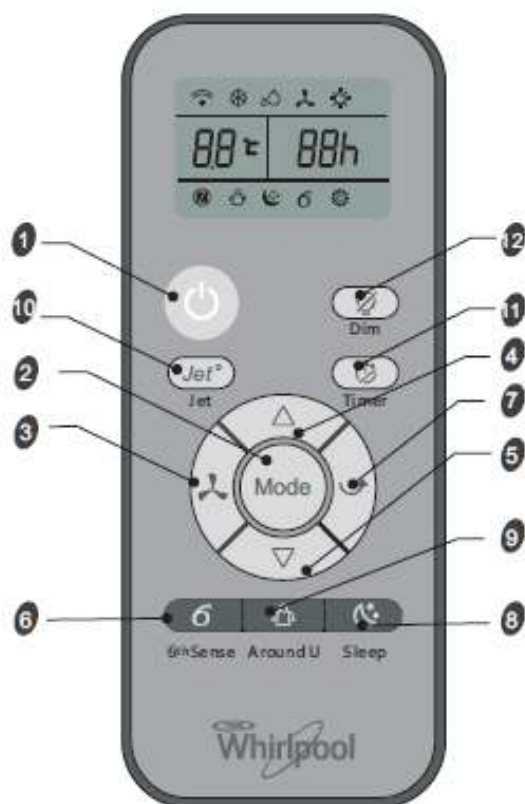
How to Use

To operate the local air conditioner, aim the remote controller to the signal receptor. The remote control will operate the air conditioner at a distance of up to 23' (7m) when pointing at signal receptor of the air conditioner.



Remote control

NOTE: Remote control may differ in appearance.



Button and Function

1		ON/OFF	8		SLEEP
2	Mode	MODE	9		Around U
3		FAN	10		Jet
4		UP	11		Timer
5		DOWN	12		Dim
6		6th Sense			
7		SWING			

Indication symbols

Indication symbols on LCD:

	Cooling indicator		Auto fan speed
	Dry indicator		High fan speed
	Fan only indicator		Medium fan speed
	Heating indicator		Low fan speed

	Sleep indicator	88h	Display set timer
	Ifeel indicator		
	JET	88℃	Display set temperature

Power On or Off

Press ON/OFF button to turn on or off the unit



Mode

1. Press MODE repeatedly until you see the symbol flashes for the desired setting.



NOTE:

- Changing modes during operating. Sometimes the unit does not response at once. Wait 3 minutes.
- Wait 3 minutes before restarting the appliance.

2. Choose Cooling, Dry, Fan Only and heating.

- Cooling-Cools the room. Press FAN to select AUTO, HIGH, MID or LOW. Press the UP or DOWN button to adjust the temperature.



- Dry-Dries the room. The air conditioner automatically selects the temperature. The fan runs on Low speed only. Range of available set temperature is from -2 to 2.

NOTE: Dry mode should not be used to cool the room. At "Dry" mode, the unit can decrease or rise 2 °C if you still feel uncomfortable.



- Fan Only-Only the fan runs. Press FAN button to adjust fan speed.



NOTE: Auto fan speed cannot be selected in Fan Only mode.

- Heating-Heats the room. Press FAN to select the fan speed. Press the up or down TEMP button to adjust the temperature.



6th Sense

Press the 6TH SENSE button, the unit enters 6TH SENSE mode (fuzzy logic operation) directly regardless of the unit is on or off. In this mode, temperature and fan speed are automatically set based on the actual room temperature.



6th Sense

Operation mode and temperature are determined by indoor temperature

Heat pump models

Indoor temperature	Operation mode	Target temperature
21°C or below	HEATING	22°C 22°C
21°C-23°C	FAN ONLY	
23°C-26°C	DRY	Room temperature decrease 2°C after operate for 3 minutes
Over 26°C	COOLING	26°C

Cooling only models

Indoor temperature	Operation mode	Target temperature
23°C or below	FAN ONLY	
23°C-26°C	DRY	Room temperature decrease 2°C after operate for 3 minutes
Over 26°C	COOLING	26°C

NOTE:

- 6TH SENSE button is ineffective in JET mode.
- Temperature, airflow and direction are controlled automatically in 6TH SENSE mode. However, a decrease or rise of up to 2°C can be set with the remote controller if you still feel uncomfortable.

What you can do in 6TH SENSE mode

Your feeling	button	adjustment procedure
Uncomfortable because of unsuitable air flow volume.		Indoor fan speed alternates among High, Medium and Low each time this button is pressed.
Uncomfortable because of unsuitable flow direction.		Press it once, the vertical adjustment louver swings to change vertical airflow direction. Press it again, swings stops. For horizontal airflow direction, please refer to the previous page for details.

Jet

Jet button is used to start or stop fast cooling or heating.

1. In the cooling mode press Jet button. The air conditioner automatically sets the fan speed to High and the temperature to 18 °C. Fast heating operates at auto fan speed, changing the set temperature automatically to 32 °C.



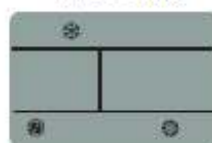
Jet

2. To turn off Jet control, press any button on the remote control or control panel except Timer, Around U and Swing.

NOTE:

- In the Jet mode you can set airflow direction or timer.

fast cooling



fast heating



Fan Speed

1. Press FAN button, Choose desired fan speed.



- Auto-Automatically controls fan speed depending on current room temperature and temperature control setting.

NOTE: Auto fan speed cannot be selected in Fan Only mode.

- High for maximum fan speed



- Mid for normal fan speed



- Low for minimum fan speed



Temperature

- Press the UP button to raise the temperature. Press the UP button once to increase the set temperature by 1 °C.



- Press the DOWN button to lower the temperature. Press the DOWN button once to decrease the set temperature by 1 °C.



NOTES:

- The temperature can be set between 18 °C and 32 °C.
- In Fan Only mode, the temperature cannot be set.
- In Dry mode, press the PLUS/MINUS button the set temperature change by 2 °C.

Sleep mode

SLEEP mode can be set in Cooling, Heating or Dry operation mode. This function gives you a more comfortable environment for sleep.



Sleep

NOTE:

- The appliance will stop operation automatically after operating for 8 hours.
- Fan speed is automatically set at low speed.
- In the Cooling mode, if the current room temperature is below 26 °C, the temperature will automatically increase 1 °C during the first hour after Sleep control is activated, then remain the same. If room temperature is 26 °C or above, set temperature will not change.
- In Heating mode, set temperature will decrease by 3 °C at most for 3 hours constantly, then keeps steady.

1. Press MODE to select Cooling, Heating or Dry.
2. Press the UP or DOWN button to set the temperature.
3. Press SLEEP. After 10 seconds, the lights on the control panel display will dim.

NOTE: The temperature and airflow direction may be adjusted during Sleep control. The fan speed is automatically set to Low speed. After 10 seconds, the lights on the control panel display will dim again.

4. To turn off Sleep control, press SLEEP, MODE, FAN, ON/OFF, SUPER or wait 8 hours for Sleep control to turn off automatically.

NOTE: The air conditioner will return to previous settings after Sleep control is turned off.

Around U

The temperature sensor built in remote controller is activated. It can sense its surrounding temperature, and transmit the signal back the unit. the unit can adjust the temperature so as to provide maximum comfort.



Around U

DIM

Press the DIM button to turn off the light and the display in the unit.



Dim

NOTE:

- When the light is off, receive signal will turn on the light again.

TIMER

It is convenient to set the timer on with **TIMER** button before you leave so that you will come back to the comfortable room temperature you set.

Timer-setting

Setting a switch-on timer when the appliance is off.



Setting a switch-off timer during operation.

Example: set an operation after 9 hours

Set desired operating mode, temperature setting and fan speed firstly, then press the **TIMER** button and "01h" flashes on LCD.

1

Point the remote control at the signal receptor of the unit, press the **+** or **-** button when "01h" flashes. Choose the timer you want, then press the **TIMER** button.

A "beep" can be heard.



Timer indicator on the control panel lights up.



"h" stops flashing.

2

Press the **TIMER** button, "01h" flashes on the LCD, then you can set the time. Each time the **+** or **-** button is pressed, the set time increases or decreases by 1 hour. The range can be set is 1 hour to 12 hours.

To cancel the set timer: press the **TIMER** button again, a "beep" can be heard.

3

NOTES::

- After setting a switch-on timer when the appliance is off, the Timer light on the control panel lights and then goes out.
- Setting a switch-off timer when the unit working, the Timer light of the control panel lights up.

SWING

Press **SWING** once to change vertical airflow direction. Press again to stop airflow louver at desired airflow direction.



NOTE:

- Airflow is automatically adjusted to a certain angle in accordance with the operation mode after turning on the unit.
- The direction of airflow can be also adjusted to your own requirement by pressing the **SWING** button.
- Do not turn the vertical adjustment louvers manually, otherwise malfunctions may occur. If that happens, turn off the unit first and cut off the power supply, then restore power supply again.

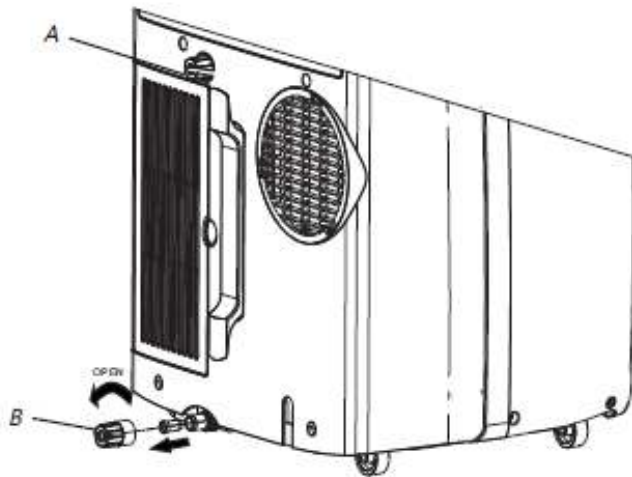
Normal Sounds

When your air conditioner is operating normally, you may hear sounds such as:

- Air movement from the fan.
- Clicks from the thermostat cycle.
- Vibrations or noise due to poor wall or window construction.
- A high-pitched hum or pulsating noise caused by the modern high-efficiency compressor cycling on and off.

LOCAL AIR CONDITIONER CARE

Draining the Air Conditioner



A. Secondary drain cover
B. Primary drain plug

⚠ WARNING

Excessive Weight Hazard

Use two or more people to move and install air conditioner.

Failure to do so can result in back or other injury.

1. Unplug the air conditioner or disconnect power.
2. Move the air conditioner to a drain location or outside.
NOTE: To avoid spilling water from the bucket, move the air conditioner slowly and keep it level.
3. Remove the primary drain cover and plug.
4. Drain water completely by the drain hole.

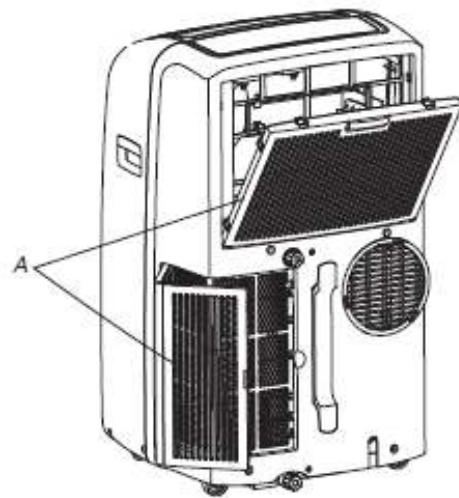
NOTE: If the air conditioner will be stored after use, see "Storing After Use".

5. Reinstall the primary drain cover to the drain hole.
6. Reposition the air conditioner.
7. Plug in the air conditioner or reconnect power.

Cleaning the Outside

1. Press ON/OFF to turn off the air conditioner.
2. Unplug the air conditioner or disconnect power.
3. Remove the air filter and clean separately. See "cleaning the Air Filter".
4. Wipe the outside of the air conditioner with a soft, damp cloth.
5. Plug in the air conditioner or reconnect power.
6. Press ON/OFF to start the air conditioner.

Cleaning the Air Filter



A. Air intake filter panel door

1. Press ON/OFF to turn off the air conditioner.
2. Open the filter panel door on the back of the air conditioner and remove.
3. Remove the air filter from the filter panel door.
4. Use a vacuum cleaner to clean the filter. If the filter is very dirty, wash the filter in warm water with a mild detergent.
NOTE: Do not wash the filter in the dishwasher or use any chemical cleaners.
5. Air dry the filter completely before replacing to ensure maximum efficiency.
6. Reattach the air filter to the filter panel door.
7. Reinstall the filter panel door.
8. Press ON/OFF to start the air conditioner.

Storing After Use

1. Drain the water completely. See "draining the Air Conditioner".
2. Run the air conditioner set to Fan Only for approximately 12 hours to dry the air conditioner.
3. Unplug the air conditioner.
4. Remove the flexible exhaust hose and store with the air conditioner in a clean, dry area. See "Installation Instructions".
5. Remove the window kit and store with the air conditioner in a clean, dry area. See "Installation Instructions".
6. Remove the filter and clean. See Cleaning the Air Filter.
7. Clean the outside of the air conditioner. See "Cleaning the Outside".
8. Reinstall the filter.
9. Remove the batteries and store the remote control with the air conditioner in a clean, dry area.

TROUBLESHOOTING

Before calling for service, try the suggestions below to see whether you can solve your problem without outside help.

Air conditioner will not operate

WARNING



Electrical Shock Hazard

Plug into a grounded 3 prong outlet.

Do not remove ground prong.

Do not use an adapter.

Do not use an extension cord.

Failure to follow these instructions can result in death, fire, or electrical shock.

- **The power supply cord is unplugged.**
Plug into a grounded 3 prong outlet. See "electrical Requirements."
- **Time-delay fuse or circuit breaker of the wrong capacity is being used.**
Replace with a time-delay fuse or circuit breaker of the correct capacity. See "electrical Requirements".
- **A household fuse has blown, or a circuit breaker has tripped.**
Replace the fuse, or reset the circuit breaker. See "Electrical Requirements".
- **The On/Off button has not been pressed.**
Press ON/OFF.
- **The local power has failed.**
Wait for power to be restored.

Air conditioner blows fuses or trips circuit breakers

- **Too many appliances are being used on the same circuit.**
Unplug or relocate appliances that share the same circuit.
- **You are trying to restart the air conditioner too soon after turning off air conditioner.**
Wait at least 3 minutes after turning off air conditioner before trying to restart the air conditioner.
- **You have changed modes.**
Wait at least 3 minutes after turning off air conditioner before trying to restart the air conditioner.

Air conditioner seems to run too much

- **Is there a door or window open?**
Keep doors and windows closed.
- **The current air conditioner replaced an older model.**
The use of more efficient components may cause the air conditioner to run longer than an older model, but the total energy consumption will be less. Newer air conditioners do not emit the "blast" of cold air you may be accustomed to from older units, but this is not an indication of lesser cooling capacity or efficiency. Refer to the efficiency rating (EER) and capacity rating (in Btu/h) marked on the air conditioner.
- **The air conditioner is in a heavily occupied room, or heat-producing appliances are in use in the room.**
Use exhaust vent fans while cooking or bathing and try not to use heat-producing appliances during the hottest part of the day. Local air conditioners are designed as supplemental cooling to local areas within a room. A higher capacity air conditioner may be required, depending on the size of the room being cooled.

Air conditioner runs for a short time only, but room is not cool

- **Set temperature is close to room temperature.**
Lower set temperature. See "Local Air Conditioner Use".

Display error code

- **if the unit display error code E5, it is water full in the unit, you should drain the water, see "Draining the air conditioner". After draining, you can operate the unit again.**
- **if the unit display error code E1/E2/E3/E6/E7/EA, please contact customer service.**

Air conditioner runs, but does not cool

- **The filter is dirty or obstructed by debris.**
Clean the filter.
- **Air outlet is blocked.**
Clear air outlet.
- **Set temperature is too high.**
Lower set temperature.

Air conditioner cycles on and off too much

- **The air conditioner is not properly sized for your room.**
Check the cooling capabilities of your local air conditioner.

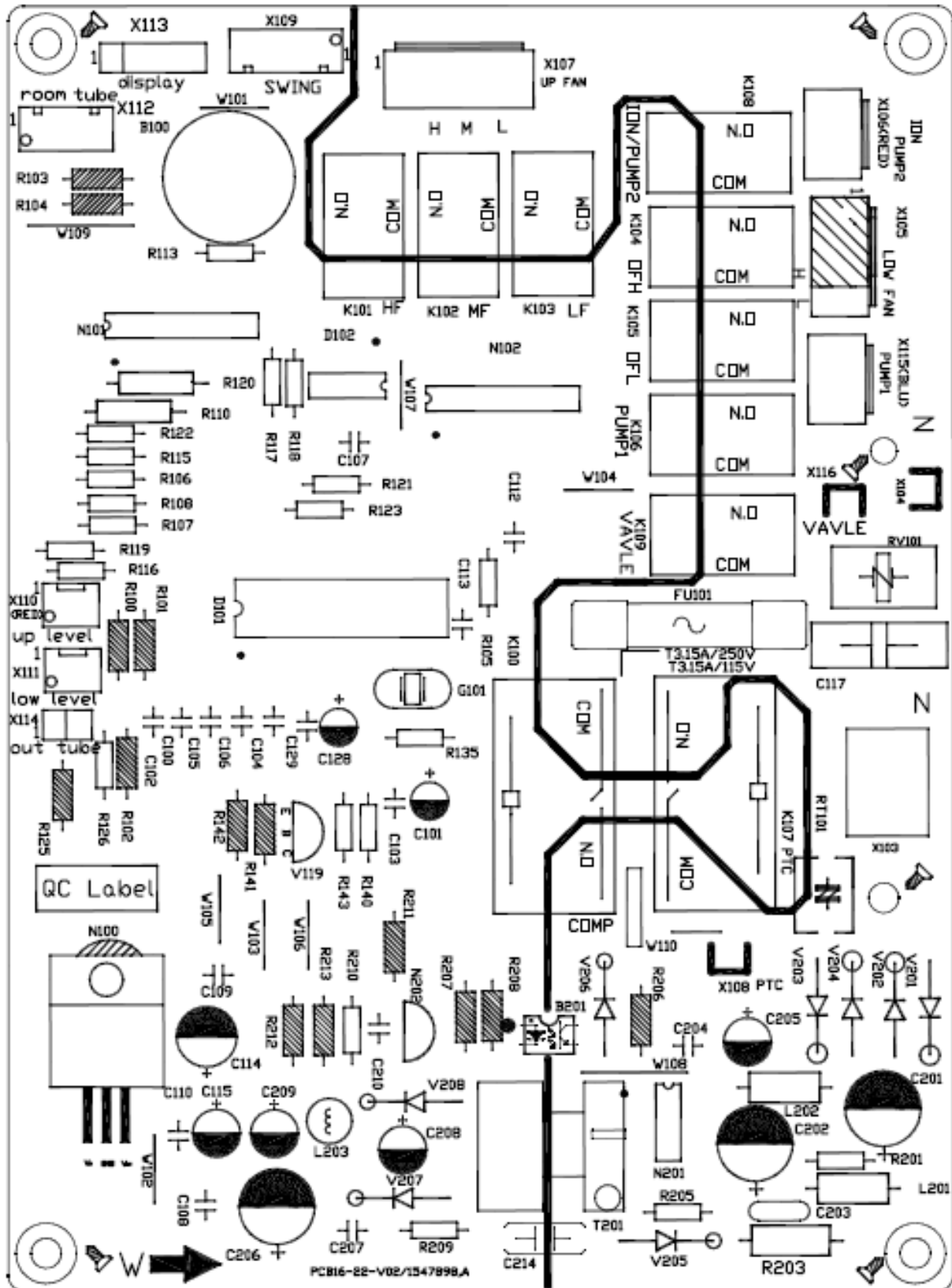
Local air conditioners are designed as supplemental cooling to local areas within a room.

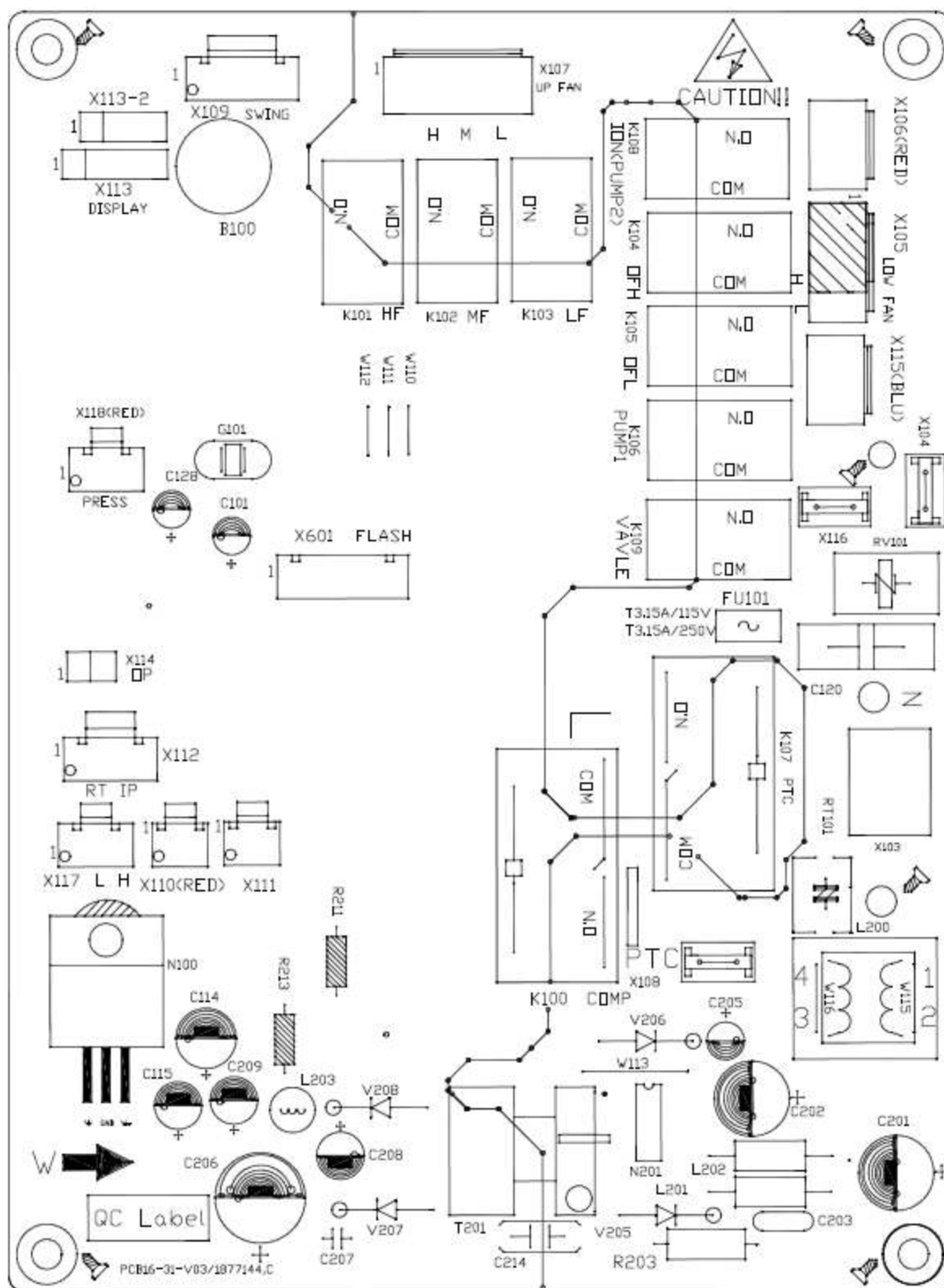
- **The filter is dirty or obstructed by debris.**
Clean the filter.
- **There is excessive heat or moisture open container cooking, showers, etc.) in the room.**
Use a fan to exhaust heat or moisture from the room.
Try not to use heat-producing appliances during the hottest part of the day.
- **The louvers are blocked.**
Install the air conditioner in a location where the louvers are free from curtains, blinds, furniture, etc.

6. Electrical Characteristics

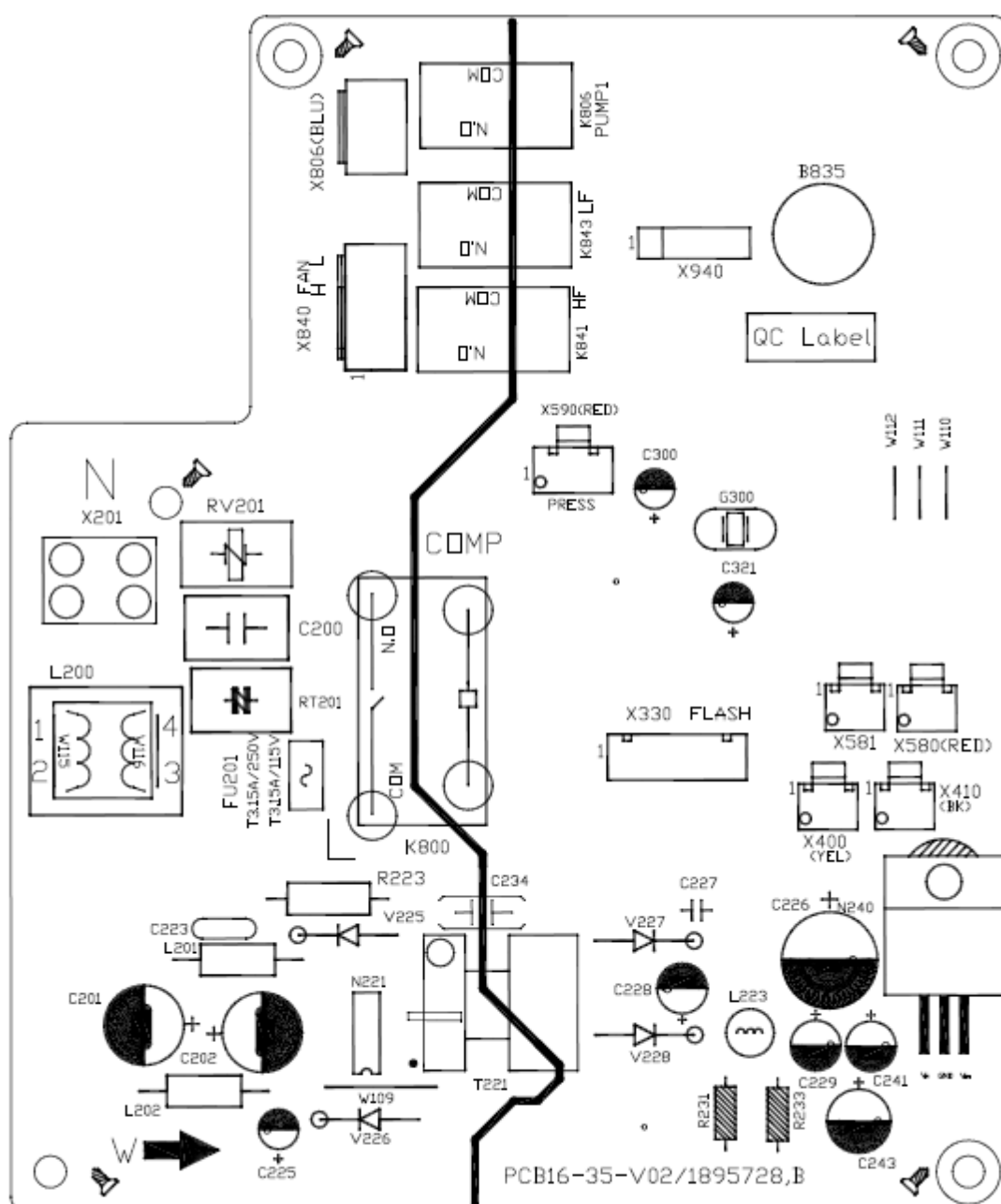
6-1. Print Circuit Board

Model: AP-05CR1SEJS1、AP-07CR1SEJS1、AP-09CR1SEPS、AP-10CR1SEJS、AP-14DR1SFJS2、AP-14DR1SFTS00、AP-14CR1SFTS00、AP-12CR1SEJS、AP-12CR4SFJS1、AP-14HR1SFTS00、AP-12CR4RFJS00

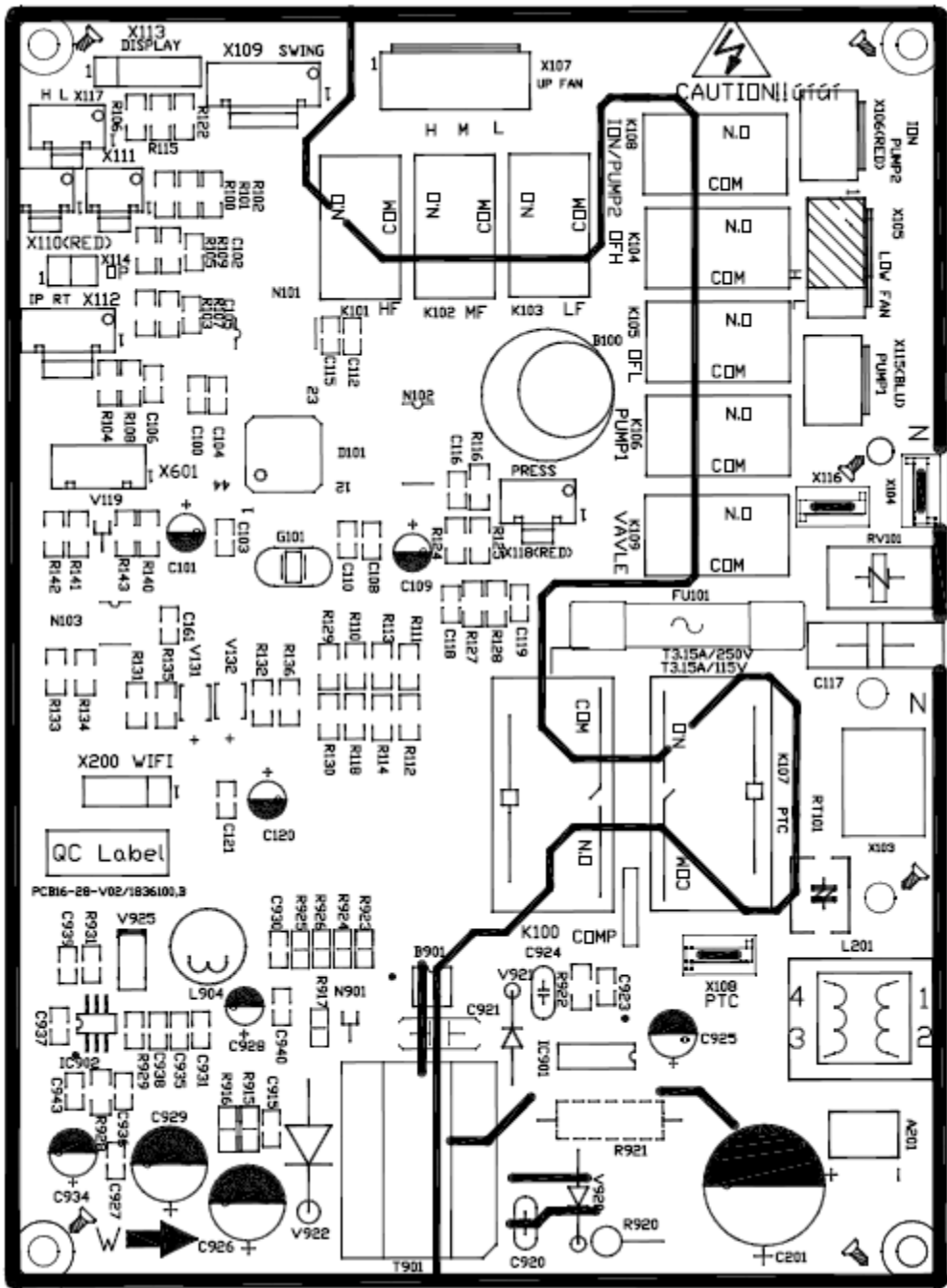




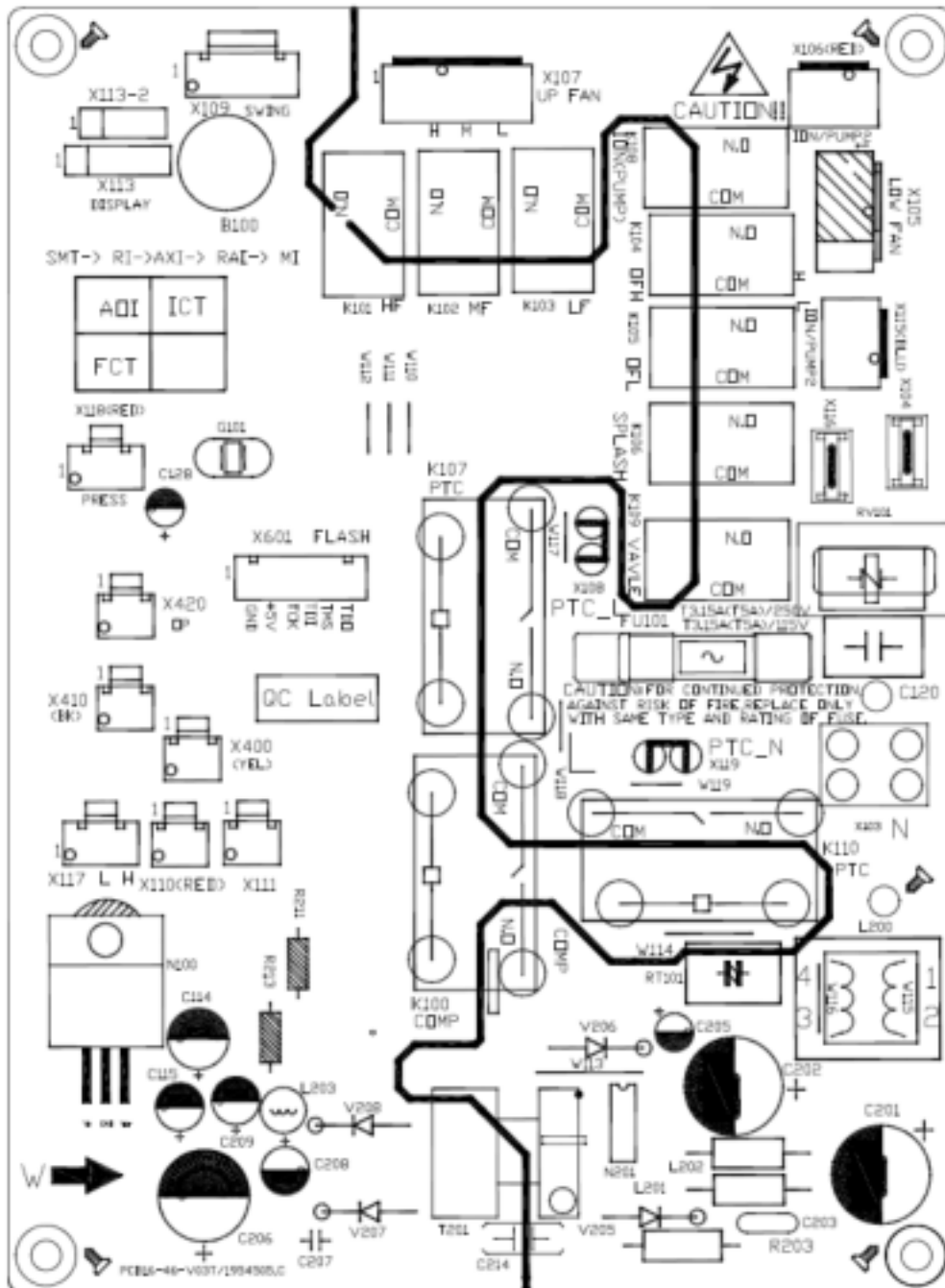
Model: AP-08CR1SHQS00



Model: AP-09CR4FMS01、AP-12CR4FMS00

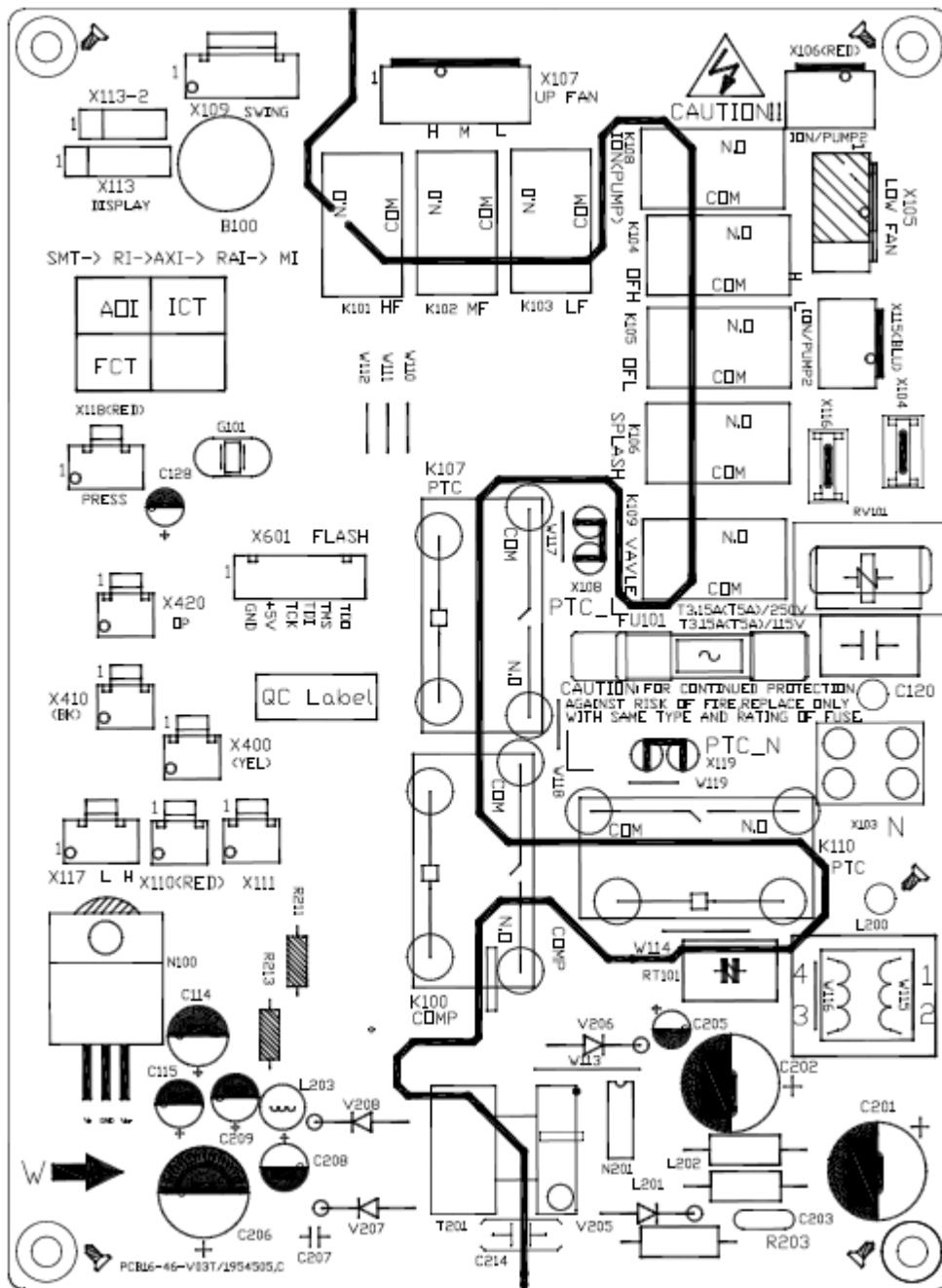


Model: AP-12CR4RFJS00



Model: +AP-09HR4GFMS01 (WLP)、+AP-09HR4GFJS01、+AP-09HR4GFTS01、+AP-09HR4GFLS01、

Model: +AP-12HR4GFMS00(WLP)、+AP-12CR4GFMS00(WLP)、+AP-09CR4GFMS00(WLP)、+AP-12HR4GFJS00、+AP-12HR4GFLS00、+AP-12CR4GFJS00、+AP-12CR4GFLS00、+AP-09CR4GEJS00、+AP-09CR4GELS00、+AP-09CR4GEPS00、AP-12HR4SEJS00、+AP-12CR4GFJS00、



6-2. Temperature Sensor

RT 表 1(环境管温 R(25℃)=15k B(0100)=3450)

上拉电阻(k): 15

温度	电阻(k)	电压	A/D
-20	152.5	4.55223881	E8
-19	143.9	4.52800503	E7
-18	135.8	4.50265252	E6
-17	128.3	4.47662247	E4
-16	121.1	4.44893461	E3
-15	114.5	4.42084942	E1
-14	108.2	4.39123377	E0
-13	102.3	4.36061381	DE
-12	96.73	4.32873892	DD
-11	91.51	4.29584077	DB
-10	86	4.25742574	D9
-9	81.97	4.22656492	D8
-8	77.62	4.19023969	D6
-7	73.52	4.15273385	D4
-6	69.05	4.107674	D1
-5	66.01	4.07418837	D0
-4	62.58	4.03325599	CE
-3	58.34	3.97736569	CB
-2	56.29	3.94795904	C9
-1	53.41	3.90366905	C7
0	50.69	3.85827371	C5
1	48.12	3.81178707	C2
2	45.7	3.76441516	C0
3	43.41	3.71597329	BE
4	41.25	3.66666667	BB
5	39.2	3.61623616	B8
6	37.27	3.56514253	B6
7	35.44	3.51308485	B3
8	33.71	3.4602751	B0
9	32.08	3.40696686	AE
10	30.63	3.35634451	AB
11	29.06	3.29777576	A8
12	27.68	3.24273664	A5
13	26.36	3.18665377	A3
14	25.12	3.13060818	A0
15	23.84	3.06900103	9D
16	22.82	3.01692226	9A
17	21.76	2.95973885	97
18	20.75	2.9020979	94
19	19.79	2.84420811	91
20	18.88	2.7863046	8E
21	18.03	2.72933697	8B
22	17.21	2.67153058	88
23	16.44	2.61450382	85
24	15.7	2.55700326	82
25	15	2.5	80
26	14.33	2.44289124	7D
27	13.7	2.38675958	7A
28	13.1	2.33096085	77
29	12.53	2.27569924	74

温度	电阻(k)	电压	A/D
30	11.99	2.22119303	71
31	11.47	2.1666037	6E
32	10.98	2.11316397	6C
33	10.51	2.05997648	69
34	10.06	2.00718276	66
35	9.634	1.95542746	64
36	9.229	1.90453589	61
37	8.842	1.85429075	5F
38	8.474	1.80497572	5C
39	8.123	1.75647624	5A
40	7.789	1.70893852	57
41	7.47	1.66221629	55
42	7.165	1.61628694	52
43	6.875	1.57142857	50
44	6.597	1.52729546	4E
45	6.333	1.48432007	4C
46	6.08	1.44212524	4A
47	5.838	1.40080622	47
48	5.608	1.36063665	45
49	5.387	1.32118507	43
50	5.177	1.28289637	41
51	4.976	1.24549459	40
52	4.783	1.2088662	3E
53	4.599	1.17327415	3C
54	4.423	1.13859857	3A
55	4.255	1.10490782	38
56	4.093	1.0718588	37
57	3.939	1.03991763	35
58	3.792	1.00893997	33
59	3.65	0.97855228	32
60	3.515	0.94923035	30
61	3.385	0.92058744	2F
62	3.261	0.89288648	2E
63	3.142	0.86594642	2C
64	3.028	0.83980475	2B
65	2.918	0.81426498	2A
66	2.813	0.78959187	28
67	2.713	0.76582171	27
68	2.618	0.74299012	26
69	2.524	0.72015522	25
70	2.436	0.69855471	24
71	2.36	0.6797235	23
72	2.268	0.65670605	21
73	2.189	0.63674443	20
74	2.114	0.617623	1F
75	2.041	0.59884983	1F
76	1.971	0.58069648	1E
77	1.905	0.56344277	1D
78	1.84	0.54631829	1C
79	1.778	0.52986053	1B
80	1.719	0.51408577	1A

RT 表 2(环境管温 R(0℃)=15k B(0100)=3450)

温度(℃)	电阻(k)	电压(V)	AD	温度(℃)	电阻(k)	电压(V)	AD
-20	38.757	0.58143512	30	31	4.292	2.715076661	138
-19	36.844	0.60795346	31	32	4.137	2.76063657	141
-18	35.038	0.63530819	32	33	3.989	2.805589174	143
-17	33.331	0.66352684	34	34	3.847	2.850117358	145
-16	31.719	0.69257720	35	35	3.711	2.894109636	148
-15	30.196	0.72246147	37	36	3.58	2.937788018	150
-14	28.755	0.75321223	38	37	3.455	2.980713033	152
-13	27.392	0.78480857	40	38	3.335	3.023117961	154
-12	26.103	0.81722911	42	39	3.219	3.065272268	156
-11	24.882	0.85051031	43	40	3.108	3.106725146	158
-10	23.727	0.88458737	45	41	3.001	3.147759536	161
-9	22.632	0.91951536	47	42	2.899	3.187898487	163
-8	21.594	0.95527085	49	43	2.801	3.227439565	165
-7	20.611	0.99179340	51	44	2.706	3.266717909	167
-6	19.678	1.02913875	52	45	2.615	3.305249514	169
-5	18.794	1.06721353	54	46	2.528	3.342947037	170
-4	17.954	1.10609872	56	47	2.444	3.380169671	172
-3	17.158	1.14565549	58	48	2.363	3.416856492	174
-2	16.401	1.18599135	60	49	2.286	3.45247766	176
-1	15.683	1.22696435	63	50	2.211	3.487894953	178
0	15	1.26865672	65	51	2.139	3.522585993	180
1	14.351	1.31098658	67	52	2.07	3.556485356	181
2	13.734	1.35393437	69	53	2.003	3.590032381	183
3	13.148	1.39741342	71	54	1.939	3.622673675	185
4	12.589	1.44157386	74	55	1.877	3.654865988	186
5	12.058	1.48618720	76	56	1.818	3.686036427	188
6	11.553	1.53125563	78	57	1.76	3.717201166	190
7	11.071	1.57689691	80	58	1.705	3.747244673	191
8	10.613	1.62286005	83	59	1.652	3.776658768	193
9	10.176	1.66928515	85	60	1.6	3.805970149	194
10	9.76	1.71601615	88	61	1.551	3.834009923	196
11	9.363	1.76311968	90	62	1.503	3.861880963	197
12	8.985	1.81043663	92	63	1.457	3.888973616	198
13	8.624	1.85805887	95	64	1.413	3.91524643	200
14	8.279	1.90597205	97	65	1.37	3.941267388	201
15	7.951	1.95387327	100	66	1.328	3.967019291	202
16	7.637	2.00204130	102	67	1.289	3.991234935	204
17	7.337	2.05033368	105	68	1.25	4.015748031	205
18	7.051	2.09859271	107	69	1.213	4.039284017	206
19	6.778	2.14682606	109	70	1.177	4.062450215	207
20	6.516	2.19524793	112	71	1.142	4.085229093	208
21	6.267	2.24333597	114	72	1.109	4.106941536	209
22	6.028	2.29151689	117	73	1.076	4.12888601	211
23	5.8	2.33944954	119	74	1.045	4.149715216	212
24	5.581	2.38741691	122	75	1.015	4.17007359	213
25	5.372	2.43506494	124	76	0.986	4.189944134	214
26	5.172	2.48247664	127	77	0.957	4.210004953	215
27	4.981	2.52951096	129	78	0.93	4.228855721	216
28	4.797	2.57653834	131	79	0.904	4.247168554	217
29	4.622	2.62291710	134	80	0.878	4.265640683	218
30	4.453	2.66931854	136				

说明:此表计算的AD值依据下拉电阻为5.1K。

7.Trouble Shooting

TROUBLESHOOTING

Before calling for service, try the suggestions below to see whether you can solve your problem without outside help.

Air conditioner will not operate

 **WARNING**



Electrical Shock Hazard
Plug into a grounded 3 prong outlet.
Do not remove ground prong.
Do not use an adapter.
Do not use an extension cord.
Failure to follow these instructions can result in death, fire, or electrical shock.

- **The power supply cord is unplugged.**
Plug into a grounded 3 prong outlet. See "electrical Requirements".
- **Time-delay fuse or circuit breaker of the wrong capacity is being used.**
Replace with a time-delay fuse or circuit breaker of the correct capacity. See "electrical Requirements".
- **A household fuse has blown, or a circuit breaker has tripped.**
Replace the fuse, or reset the circuit breaker. See "Electrical Requirements".
- **The On/Off button has not been pressed.**
Press ON/OFF.
- **The local power has failed.**
Wait for power to be restored.

Air conditioner blows fuses or trips circuit breakers

- **Too many appliances are being used on the same circuit.**
Unplug or relocate appliances that share the same circuit.
- **You are trying to restart the air conditioner too soon after turning off air conditioner.**
Wait at least 3 minutes after turning off air conditioner before trying to restart the air conditioner.
- **You have changed modes.**
Wait at least 3 minutes after turning off air conditioner before trying to restart the air conditioner.

Air conditioner seems to run too much

- **Is there a door or window open?**
Keep doors and windows closed.
- **The current air conditioner replaced an older model.**
The use of more efficient components may cause the air conditioner to run longer than an older model, but the total energy consumption will be less. Newer air conditioners do not emit the "blast" of cold air you may be accustomed to from older units, but this is not an indication of lesser cooling capacity or efficiency. Refer to the efficiency rating (EER) and capacity rating (in Btu/h) marked on the air conditioner.
- **The air conditioner is in a heavily occupied room, or heat-producing appliances are in use in the room.**
Use exhaust vent fans while cooking or bathing and try not to use heat-producing appliances during the hottest part of the day. Local air conditioners are designed as supplemental cooling to local areas within a room. A higher capacity air conditioner may be required, depending on the size of the room being cooled.

Air conditioner runs for a short time only, but room is not cool

- **Set temperature is close to room temperature.**
Lower set temperature. See "Local Air Conditioner Use".

Display error code

- **if the unit display error code E5, it is water full in the unit, you should drain the water, see "Draining the air conditioner". After draining, you can operate the unit again.**
- **if the unit display error code E1/E2/E3/E4/E6/E7/EA please contact customer service.**

Air conditioner runs, but does not cool ■ The filter is dirty or obstructed by debris. Clean the filter. ■ Air outlet is blocked. Clear air outlet. ■ Set temperature is too high. Lower set temperature.	Local air conditioners are designed as supplemental cooling to local areas within a room. ■ The filter is dirty or obstructed by debris. Clean the filter. ■ There is excessive heat or moisture open container cooking, showers, etc.) in the room. Use a fan to exhaust heat or moisture from the room. Try not to use heat-producing appliances during the hottest part of the day.
Air conditioner cycles on and off too much ■ The air conditioner is not properly sized for your room. Check the cooling capabilities of your local air conditioner.	■ The louvers are blocked. Install the air conditioner in a location where the louvers are free from curtains, blinds, furniture, etc.

7-2. Error Code Table

- 1、When the indoor ambient temperature sensor fails, the air conditioner will shut down for protection, and "E1" will be displayed on LED nixie tube;
- 2、When the indoor tube temperature sensor fails, the air conditioner will shut down for protection, and "E2" will be displayed on LED nixie tube;
- 3、When the outside tube temperature sensor fails (heat pump type), the air conditioner will shut down for protection, and "E3" will be displayed on LED nixie tube.
- 4、When the high water level switch is closed, the air conditioner will shut down for protection, and "E5" will be displayed on LED nixie tube.
- 5、When the upper electric motor has no feedback, the air conditioner will shut down for protection, and "E6" will be displayed on LED nixie tube.
- 6、When the lower electric motor has no feedback, the air conditioner will shut down for protection, and "E7" will be displayed on LED nixie tube.
- 7、When the communication system fails, "EA" will be displayed on LED nixie tube.
- 8、When multiple failures occur simultaneously, the corresponding error codes will be displayed in a cyclic manner.