

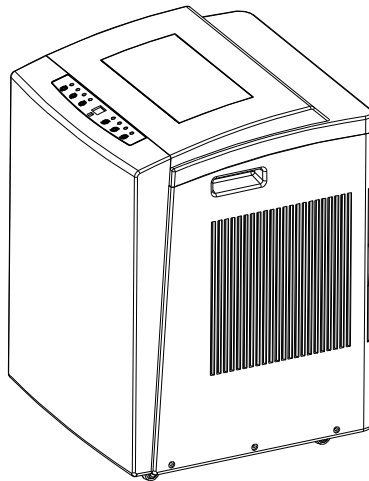
AIR CONDITIONER MOBILE TYPE OWNER'S MANUAL

AM-07C53RD1

AM-09C53RD1(b)

AM-07E53RD1

AM-09E53RD1(b)



Thank you for choosing our Air Conditioner. Please read this OWNER'S MANUAL carefully prior to using and keep it for further reference.

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INTRODUCTION

Thank you for choosing a our appliance to provide you and your family with all of the “Home Comfort” requirements for your home, cottage or office. This Owner’s Manual will provide you with valuable information necessary for the proper care and maintenance of your new appliance. If properly maintained, your appliance will give you many years of trouble free operation. Please take a few moments and read the instructions thoroughly and familiarize yourself with all of the operational aspects of this appliance.

Your Mobile Air-Conditioner is a multi-functional room air-exchanging, air-processing appliance, designed to offer you the functions of; Air Conditioning, Dehumidifying and Independent Fan. Each individual mode, is featured with “oscillating” air swing capabilities. This unit can be conveniently moved from room to room within your home and set-up in just minutes. Imagine the convenience of 3 Season Home Comfort at your fingertips, anytime, anywhere. Just sit back and wait to feel what “Mother Nature” has forecast and respond with the push of a button.

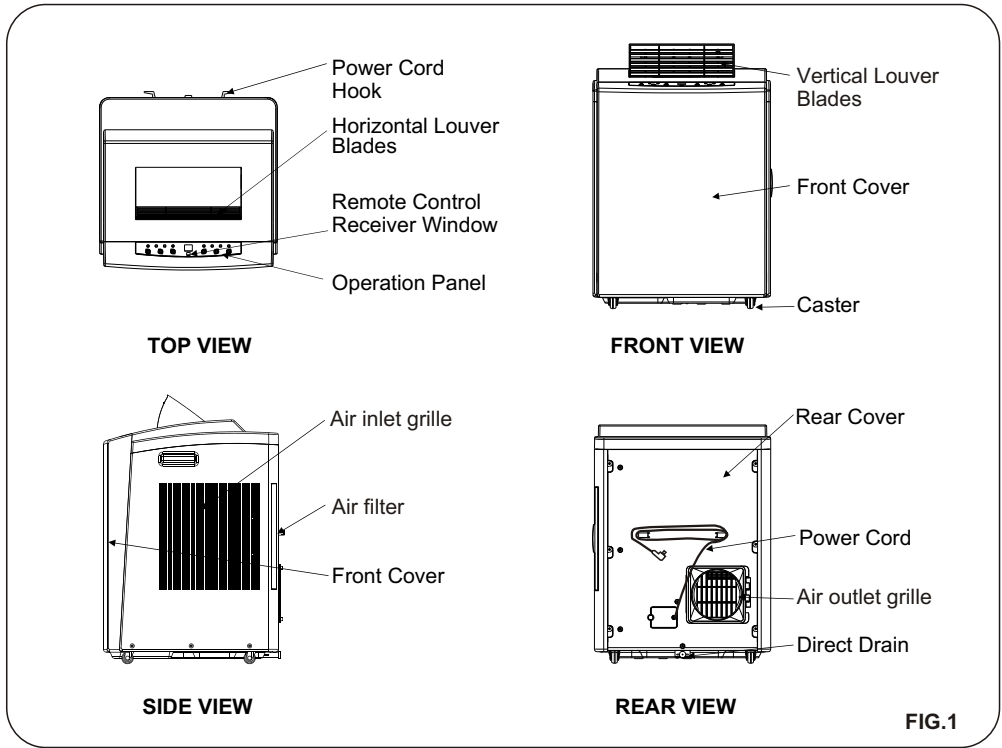
The working temperature range :16°C-35°C (cool only type); 5°C-31°C (electric heat mode) and humidity range: 40-85%.

PERFORMANCE PARAMETERS









Unit specifications:	AM-07C53RD1	AM-07E53RD1	AM-09C53RD1(b)	AM-09E53RD1(b)
Rated cooling capacity (W)	2000	2000	2500	2500
Rated heating capacity(W)	——	1400	——	1400
Dehumidifying capacity (L/h)	1.0	1.0	1.2	1.2
Noise Level (dB(A))	53	53	53	53
Power Source	220-240V~, 50Hz			
Refrigerant(R410A)	480g	480g	630g	630g
Unit Weight (Kg)	34	34.5	35	35.5
Air flow volume(m ³ /h)	340	340	340	340
Unit Dimensions (mm) WxDxH	370x600x780			
Fan Speeds	3			
Control Panel	Soft Touch Controls			
Remote Control	Yes			
Auto-Timer	Yes			
Cooling Standard Input Power(Current)	830W(3.6A)	830W(3.6A)	950W(4.1A)	950W(4.1A)
Heating Standard Input Power(Current)	——	1500W(6.5A)	——	1500W(6.5A)
Cooling Rated Power (Current)(EN60335)	1320W(6.5A)	1320W(6.5A)	1400W(7.1A)	1400W(7.1A)
Heating Rated Power (Current)(EN60335)	——	1500W(6.5A)	——	1500W(7.1A)
Fan Power(Current)	110W(0.5A)	110W(0.5A)	110W(0.5A)	110W(0.5A)

Note: Continuing research results in steady improvement. Therefore, this information and these specifications are subject to change without notice.

NAME OF PARTS



ACCESSORY LIST

PARTS	PARTS NAME	QUANTITY	PARTS	PARTS NAME	QUANTITY
	Flexible Exhaust hose	1		Remote Controller	1
	Window Exhaust Adapter	1		Battery	2
	Hose Collar	1		Drain Pan	1
	Window slider kit	1		Drain pipe	1

Attention: For detailed content of accessories, please take our package as major reference.

SAFETY PRECAUTIONS

The following safety precautions must be taken when using your air conditioner.

ATTENTION:

- (1) The appliance is not intended for use by young children or infirm persons without supervision.
- (2) Young children should be supervised to ensure that they do not play with the appliance.
- (3) The plug shall be accessible after install the appliance.
- (4) The appliance shall be installed in accordance with national wiring regulation.
- (5) The appliance can't be installed in laundry.
- (6) If the power cord is damaged, it must be replaced by the manufacturer or its service agent or similarly qualified persons in order to avoid a hazard.

CAUTION:

This room air conditioner must be connected to a power outlet with grounding connection.

Do not install the unit at place where leakage of gas may occur and/or in an explosive atmosphere.

Do not operate or stop the unit by inserting or pulling out the power plug.

Do not modify the length of the power cord.

Do not share the outlet with other appliances.

Do not operate with wet hands

Do not insert anything into the air outlet.

Do not expose skin or eyes directly to cool air for a long period of time.

If an abnormal odour or smoke comes out of the unit, disconnect immediately the unit and please report to a qualified service centre.

When opening the filter cover, do not touch the fins of heat exchanger in order to avoid a hazard.

Do not clean the unit with water.

Before cleaning, please turn off the unit and disconnect the AC power cord.

Do not put a pet or a plant in direct exposition to the air flow.

Do not apply an insecticide or flammable spray on the unit

Do not put a stove, etc, where it would be exposed to the direct airflow. It may affect combustion.

Do not step on the unit or place anything on it.

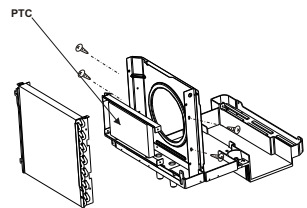
Check periodically for water level in the drain tank.

Do not install the unit where flammable gas could leak.

For appliances with supplementary heaters, the minimum clearance from the appliance to combustible surfaces shall exceed 80mm.

The lead wire of PTC heater must be first led through the round ostiole at the air channel board assembly then to the bottom of the motor holder and finally connect with the electric control board.

The PTC Rated Power is 1400W.



DISPOSING OF THE UNIT

This product must not be disposed together with the domestic waste.

This product has to be disposed at an authorized place for recycling of electrical and electronic appliances.



INSTALLATION EXPLANATIONS

Electric Shock Hazard

To avoid the possibility of personal injury, disconnect power to the unit before installing or servicing.

SPECIAL NOTE: The drain hose (standard gardenhose) for the direct drain application is not included with this unit but can be purchased through any local Hardware Store. The exhaust/window kit must be installed at all times when the unit is operating under the AIR CONDITIONING mode.

Location Requirements

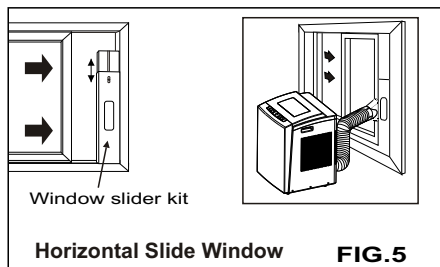
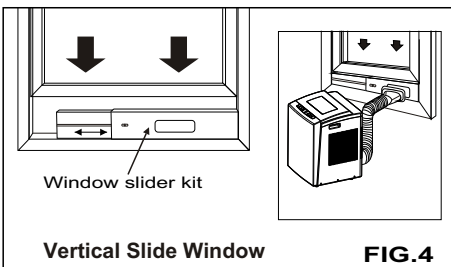
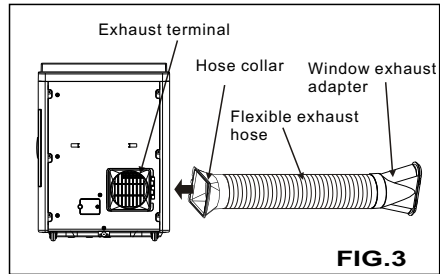
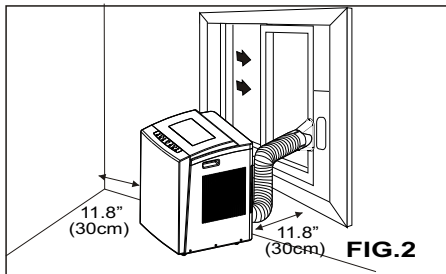
There should be at least 11.8" (30 cm) clearance between the unit and any other objects or building structure and should be installed on a level surface. (FIG.2) The unit does not have to be vented outside during Dehumidifying/Fan mode operation, it is recommended however that the hoses remain installed (on unit) during dehumidification.

⚠ CAUTION ⚠

Do not leave this unit unattended in a space where people or animals who cannot react to a failed unit are located. A failed unit can cause extreme overheating or death in such an enclosed, unattended space.

Window Kit Installation

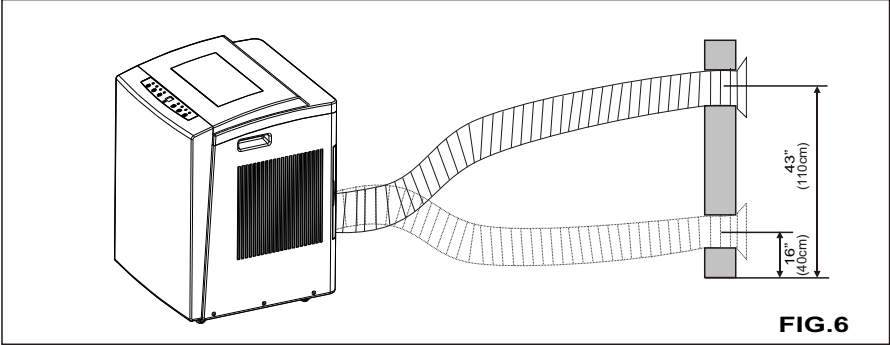
- 1) Select a suitable location, making sure you have access to an electrical outlet.
- 2) Fix the hose collar and the window exhaust adapter to the flexible exhaust hose.
- 3) Fix the hose collar to the exhaust terminal of the unit. FIG.3.
- 4) Install the adjustable Window Slider Kit as required. FIG.4-5.
- 5) Install the window exhaust adapter into the opening in the slider section, making sure the window slider section are secure.



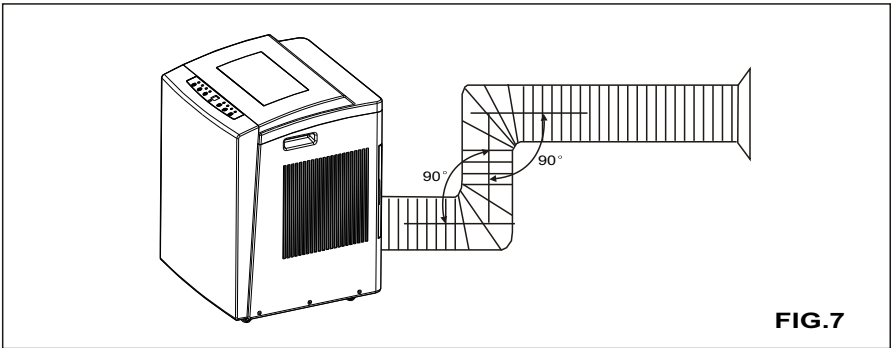
INSTALLATION EXPLANATIONS

Flexible Exhaust Hose Mounting

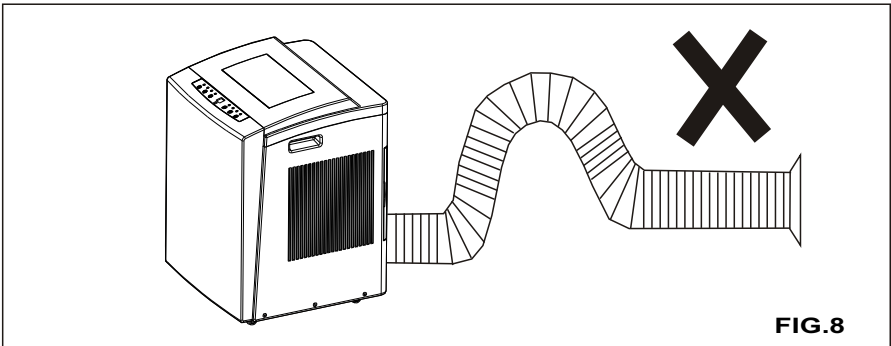
1. Correct mounting shown below (If mounting in the wall, the height of the hole should be 16"(40cm)~43"(110cm).



2. If the air exhaust requires bend, shown as below.



3. The wrong mounting diagram (Air exhaust bend too large), easily cause malfunction.

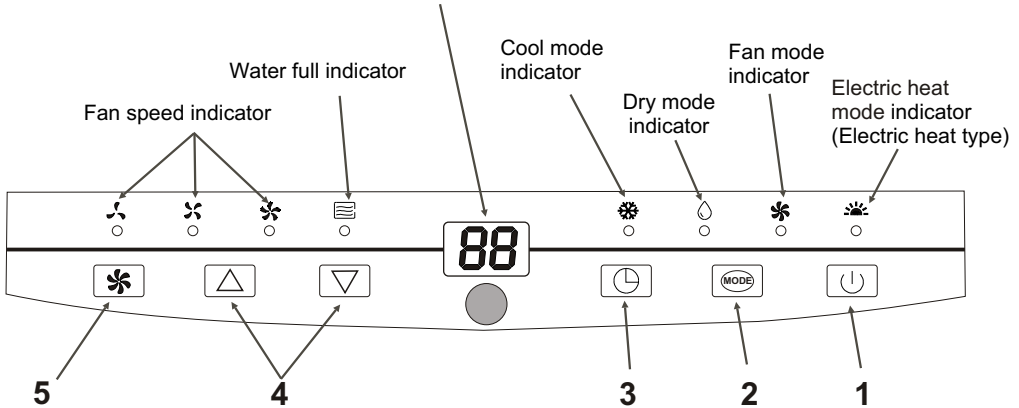


OPERATION PANEL

The controls featured in this manual are representative of many models available. Your model may look slightly different.

DISPLAY and OPERATION PANEL

Display of setting TEMP, AUTO-ON/OFF time and failure code.




1. ON/OFF button

Turns on/off the air conditioner.

Note: If the air conditioner is off and then is turned on while set at the cool or dry mode, it will take approximately 3 minutes for the compressor to start and for cooling or dry operation to begin.





2. OPERATION MODE button

Use to select the operation mode in the order of:

Cool only type: COOL() → DRY() → FAN() → COOL() → ...

Electric heat type: COOL() → DRY() → FAN() → ELECTRIC HEAT() → COOL() → ...





3. TIMER SET button (Timer range: 0.5-24 hours)

- When the unit is on, press the button  once to check the AUTO-OFF time that will be displayed for 10 seconds. If no AUTO-OFF time is set, "0" will be shown on the display and you can press the button  to activate the AUTO-OFF timer function. Before 10 hours, every press of button  increases the AUTO-OFF time by 0.5 hour, after 10 hours, every press of button  increases the AUTO-OFF time by 1 hour. You can refer to the following:


0.5 → 1 → 1.5 → 2 → 2.5 → 3 → 3.5 → ... 9.5 → 10 → 11 ... → 24 → 0 → 0.5 ...

Notice: After 10 seconds of AUTO-OFF timer being set, room actual temperature will resume to be displayed.





OPERATION PANEL



- 2). When the unit is off, press the button  once to check the AUTO-ON time that will be displayed for 10 seconds. If no AUTO-ON time is set, " 0 " will be shown on the display and you can press the button  to activate the AUTO-ON timer function. Before 10 hours, every press of button  increases the AUTO-ON time by 0.5 hour, after 10 hours, every press of button  increases the AUTO-ON time by 1 hour. You can refer to the following:
0.5 → 1 → 1.5 → 2 → 2.5 → 3 → 3.5 → ... → 9.5 → 10 → 11 → ... → 24 → 0 → 0.5 ...

Notice: After AUTO-ON timer is set, AUTO-ON time will be displayed all the time before the air conditioner is turned on.


- 3). To cancel AUTO-ON/OFF timer operation, press button  continuously until "00" appears for 10 seconds in the LED window on the operation panel, then automatically reverts back to display actual room temperature.

4. TEMPERATURE ADJUSTMENT button





Press the button  or  to select a suitable operating temperature. Temperature settings are adjustable between 16°C to 31°C. At cool mode when the unit is on, press button  or  once to check the set temperature. The set temperature will be displayed for 10 seconds then automatically revert back to display actual room ambient temperature conditions.

Note: the set operating temperature must be programmed within the 10 seconds of set temperature displaying. Every press of button  increases the set operating temperature by 1°C, every press of button  decreases the set operating temperature by 1°C.

At fan mode, both button  or  are not functional.

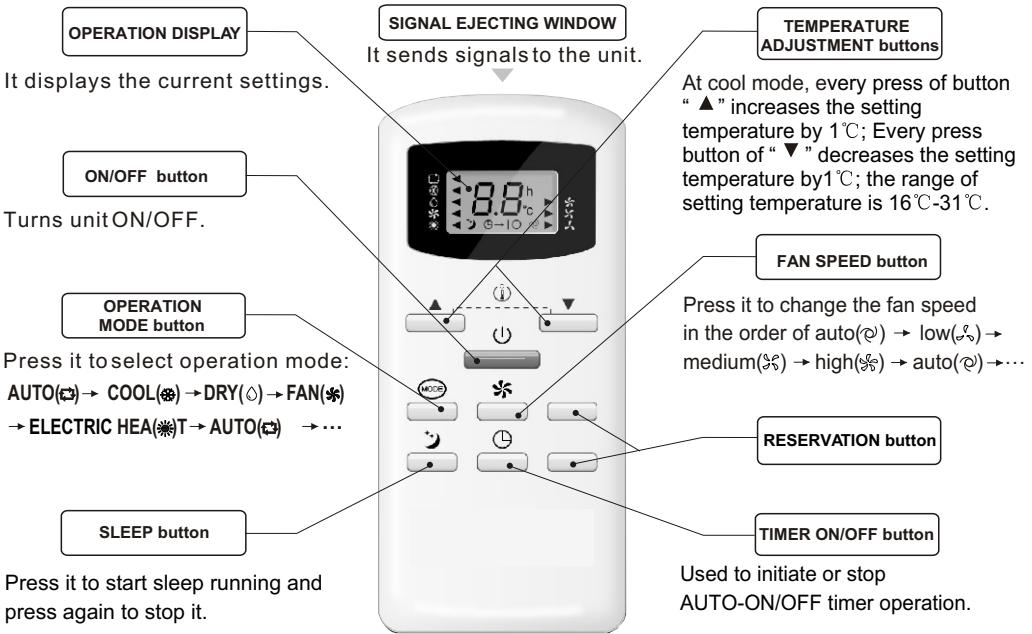
Press  and  at one time, can switch centigrade to Fahrenheit.

5. FAN SPEED button

Press the button to set the fan speed in the order of: low() → medium() → high() → low () → ...
At DRY mode, fan speed button is not functional.

At SLEEP mode, Press the button to stop SLEEP mode.



REMOTE CONTROLLER




● NOTICE:

1. Cool only type has no **ELECTRIC HEAT**(🔥) mode.
2. To operate, the remote should be within 6 meters of the unit with a clear line of sight.
3. Remove the batteries if the remote controller is not to be used for long periods of time.


AUTO-OFF TIMER OPERATION

1. Press button  when the air conditioner is on to initiate the AUTO-OFF TIMER function. Meanwhile, “O” of “☐→O” starts to flash on the display.
2. Before 10 hours, every press of button ▲ or ▼ increases or decreases the AUTO-OFF time by 0.5 hour; after 10 hours, every press of button ▲ or ▼ increases or decreases the AUTO-OFF time by 1 hour. You can refer to the following:
0.5 → 1 → 1.5 → 2 → 2.5 → 3 → 3.5 → ... 9.5 → 10 → 11 → ... → 24 → 0 → 0.5 ...
3. The unit will now “stop” automatically at the specified AUTO-OFF time when you see “O” of “☐→O” not flash on the display. Meanwhile, the set temperature will revert back to be displayed. To view AUTO-OFF time, press button .


AUTO-ON TIMER OPERATION

1. Press button  when the air conditioner is off to initiate the AUTO-ON TIMER function. Meanwhile, “|” of “☐→|” starts to flash on the display.
2. Before 10 hours, every press of button ▲ or ▼ increases or decreases the AUTO-ON time by 0.5 hour; after 10 hours, every press of button ▲ or ▼ increases or decreases the AUTO-ON time by 1 hour. You can refer to the following:
0.5 → 1 → 1.5 → 2 → 2.5 → 3 → 3.5 → ... 9.5 → 10 → 11 → ... → 24 → 0 → 0.5 ...

REMOTE CONTROLLER

3. The unit will now “ start ” automatically at the specified AUTO-ON time when you see “ | ” of “ $\ominus \rightarrow |$ ” not flash on the display. Meanwhile, the set temperature will revert back to be displayed. To view AUTO-ON time, press button .

AUTO-ON/OFF TIMER OPERATION CANCEL

To cancel AUTO-ON/OFF timer operation, press button  twice continuously until “ $\ominus \rightarrow |$ ” or “ $\ominus \rightarrow \circ$ ” disappears on the remote controller display.

FUNCTION SPECIFICATIONS

1. AUTO mode

In this mode, the air conditioner can automatically adjust the room temperature to decide the most suitable temperature. At the start of operation, the air conditioner will automatically select the operation mode according to the room temperature. The following table shows the conditions which are set at start up.

Room Temperature (RT)	Cool only type		Electric-heat mode	
	Mode	Initial Setting Temperature	Mode	Initial Setting Temperature
$RT \geq 26^{\circ}\text{C}$	Cool	24 $^{\circ}\text{C}$	Cool	24 $^{\circ}\text{C}$
$26^{\circ}\text{C} > RT \geq 23^{\circ}\text{C}$	Dry	RT-2 $^{\circ}\text{C}$	Dry	RT-2 $^{\circ}\text{C}$
$RT < 23^{\circ}\text{C}$	Fan	RT	Electric-heat	26 $^{\circ}\text{C}$

2. COOL mode

Press FAN SPEED button to change the fan speed.

Press TEMPERATURE ADJUSTMENT button to change the set temperature.

When the room temperature is higher than the set temperature, the compressor starts; when the room temperature is lower than the set temperature, the compressor stops.

3. ELECTRIC HEAT mode(only applied to electric heat series)

Press TEMPERATURE ADJUSTMENT button to change the set temperature.

In this mode, the FAN SPEED only keeps at LOW.

4. DRY mode

In this mode, the air conditioner automatically sets the room temperature.

TEMPERATURE ADJUSTMENT button and FAN SPEED button are not functional.

Dry operation is not available when the room temperature is lower than 13 $^{\circ}\text{C}$.

5. FAN mode

In this mode, the compressor doesn't operate. The unit fan alone operates.

Press FAN SPEED button to change the fan speed.

6. SLEEP mode

Press of FAN SPEED button can quit SLEEP mode.

At cool mode, after one hour of operation the set temperature will increase by 1 $^{\circ}\text{C}$. One hour later, the set temperature will increase by 1 $^{\circ}\text{C}$ once more. The unit will then continue operating at 2 $^{\circ}\text{C}$ above the set temperature.

At electric heat model mode, after one hour of operation the set temperature will decrease by 1 $^{\circ}\text{C}$. One hour later, the set temperature will decrease by 1 $^{\circ}\text{C}$ once more. The unit will then continue operating at 2 $^{\circ}\text{C}$ above the set temperature.

SERVICE AND MAINTENANCE



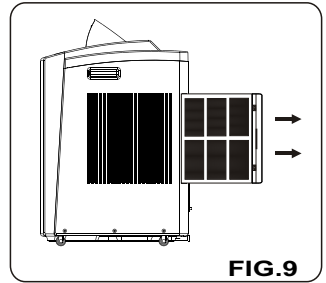
Before cleaning or servicing this unit, be sure to disconnect the unit from any electrical supply outlet.

1. Please use damp cloth to clean the enclosure of the unit.
2. Do not wash the unit directly under a tap or using a hose.
3. If the power cord is damaged, it should be repaired by manufacturer or its agency.

Cleaning the Air Filter

If the air filter is clogged with dust/dirt, the air flow volume will reduce. Clean the filter once every two weeks.


1. Press ON/OFF button to turn off the air conditioner and pull the plug out of the wall socket.
2. Pull out the air filter in the direction of the arrow.(FIG.9)
3. Dust/Dirt clogged in the filter can be removed by vacuum cleaner. If filter is very dirty, wash it in lukewarm soapy water while rubbing it gently with a brush. A mild detergent is recommended.
4. Wipe the filter with a soft cloth soaked in water and dry it thoroughly in the shade.
5. Replace the air filter as it was.



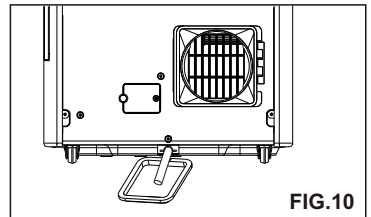
Before a long idle period

1. Remove the drain plug and drain water completely.
2. Set the fan going for a few hours to dry out the inside completely.
3. Switch off the air conditioner and unplug it from the wall socket. Clean the filter and outer surface.
4. Reinstall the filter.
5. Take out batteries from remote controller and store with air conditioner in a clean, dry area.
6. Remove air exhaust hose and store with air conditioner in a clean, dry area.

Drainage method

1. When the water full indicator lamp  illuminates on the operation panel and “ E0 ” is shown on the display, empty the drain tank.
2. Always empty the drain tank before attempting to move or re-locate the unit to another location.
3. If the unit is not to be used for long periods of time, empty the drain tank.

Drainage method: you can drain the water out with a drain pipe, it is included in the accessory. But first you should put the drain pan under the drain mouth, then take out the plug on the drain mouth, and connect the drain pipe to the drain mouth, thus the water can flow into the drain pan first and can not make the floor dirty. See FIG.10



TROUBLE SHOOTING

TROUBLES	CHECK	SUGGEST REMEDIES
1. UNIT DOES NOT OPERATE AT ALL	Is power fail? Is plug out? Is power fuse normal or switch off? If WATERFULL indicator is lit? If SET TIME suitable?	It is normal? Push the plug into the wall socket. Change the fuse or switch on. Pour the water out of the water tank. Change SET TIME.
2. COOLING EFFICIENCY IS NOT GOOD.	Is air inlet or outlet locking? Is there any other heat source in the room? Are air filters dirty very much? Is SET TEMP. Suitable? Is fan speed set at low?	Clear the locking. Move the heat source. Clean the air filter. Set temperature suitable. Set suitable fan speed.
3. THE UNIT GIVES OUT ODOUR	-Air conditioner may have absorbed odours from wall, carpet, furniture and again blows out.	Remove the objects with odour smell if possible.
4. NOISY OR VIBRATION	-The ground is not level or not flat enough.	Place the unit on a flat, level ground if possible.
5. GURGLING SOUND	-The sound comes from the flowing of the refrigerant inside the air conditioner.	It is normal.
6. WATER DRIPS FROM CABINET INTO YOUR HOUSE	-The drain plug is not installed properly.	Install the drain plug properly.

CAUTION

Plug out and stop running immediately in case of something below happens, then contact with the specific Installation and maintenance Dept.

The fuse and switch often break.

The power cord superheat or the sleeve of the cord broken.

Something abnormal.

Self diagnosis function

If the air conditioner has something wrong, the diagnostic systems will indicate the fault reasons as follows.

Check code	Diagnosis of malfunction
FAULT F7	Room TEMP sensor faults
FAULT F8	Evaporator Pipe TEMP sensor faults
FAULT E0	Water full warning