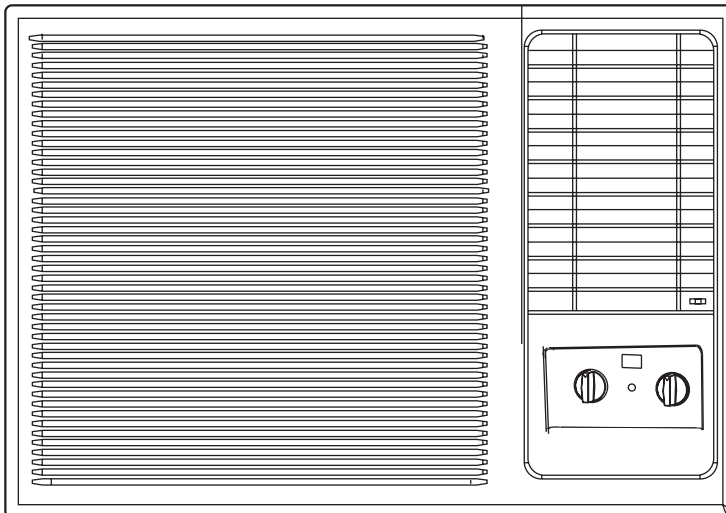


Before using your air conditioner, please read
this manual carefully and keep it for future reference.

WINDOW/WALL-TYPE ROOM AIR CONDITIONER

USER'S MANUAL



Prior to installation this air-conditioning unit
must be submitted for approval by the utility
service which provides electricity.

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NOTE: This User's Manual provides specific operating instructions for your model. Use the room air conditioner only as instructed in this User's Manual. These instructions are not meant to cover every possible condition and situation that may occur. Common sense and caution must be practiced when installing, operating, and maintaining any appliance.

IMPORTANT SAFETY INSTRUCTIONS

⚠ WARNING For your safety

- ☞ Do not store or use gasoline or other flammable vapors and liquids in the vicinity of this or any other appliance.
- ☞ Avoid fire hazard or electric shock. Do not use an extension cord or an adaptor plug. Do not remove any prong from the power cord.

⚠ WARNING Electrical Information

- ☞ All wiring must comply with local and national electrical codes and be installed by a qualified electrician.
- ☞ Never insert your fingers or any foreign objects into the air outlet. Take special care to warn children of these dangers.
- ☞ Be sure the air conditioner is properly grounded. To minimize shock and fire hazards, proper grounding is important. The power cord is equipped with a three-prong grounding plug for protection against shock hazards.
- ☞ Your air conditioner must be used in a properly grounded wall receptacle. If the wall receptacle you intend to use is not adequately grounded or protected by a time delay fuse or circuit breaker, have a qualified electrician install the proper receptacle. Ensure the receptacle is accessible after the unit installation.
- ☞ Do not run air conditioner with outside protective cover in place. This could result in mechanical damage within the air conditioner.

Do not use an extension cord or an adapter plug.

Energy Saving Ideas

- ☞ The capacity of the room air conditioner must fit the room size for efficient and satisfactory operation.
- ☞ Install the room air conditioner on the shady side of your room.
- ☞ Do not block air flow inside with blinds, curtains or furniture; or outside with shrubs, enclosures, or other buildings.
- ☞ Keep blinds and drapes in other windows closed during the sunniest part of the day.
- ☞ Clean the air filter as recommended in the section "Care and Cleaning".

POINTS FOR USING AIR CONDITIONER

⚠ WARNING To reduce the risk of fire, electric shock, or injury to persons, read the IMPORTANT SAFETY INSTRUCTIONS before operating this appliance.

NOTE: If the air conditioner is turned off, wait 3 minutes before restarting. This allows pressure inside the compressor and equalize. Failure to follow these instructions may be harmful to your unit.

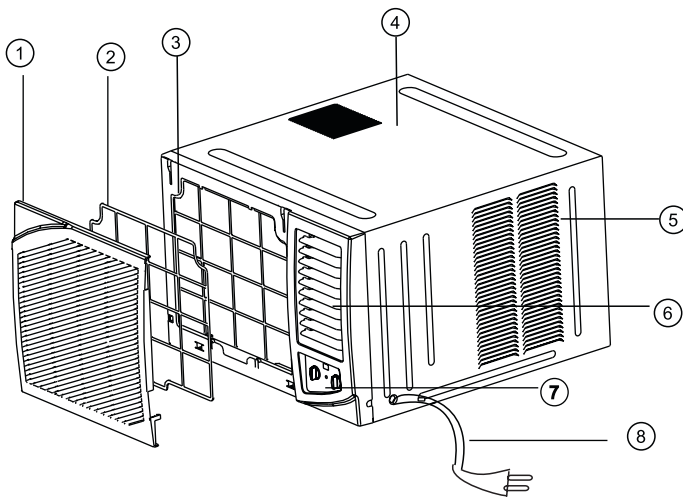
To begin operating the air conditioner, follow these steps:

1. Set the thermostat to the highest number (coldest or cooler setting).
2. Set the selector control to the highest COOL setting.
3. Adjust the louver for comfortable air flow (see AUTO SWING).
4. Once the room has cooled, adjust the thermostat to the setting you find most comfortable.
5. Make sure that the air flow inside and outside are not obstructed by anything.
6. This air conditioner is designed to be operated under conditions as follows:

Cooling Operation	Outdoor temp.:	18-43°C(T ₁ Environment)	21-52°C(T ₃ Environment)
	Indoor temp.:	18-32 °C(T ₁ Environment)	18-32°C(T ₃ Environment)
<p>Note: The relative humidity of home should be less than 80%. If the unit is used in a condition with a relative humidity over 80%, there will be condensed water on the appearance of the unit.</p>			

If the unit is operated beyond the conditions specified above, it may cause a failure of the unit.

UNIT PARTS IDENTIFICATION



1. Front panel
2. Air filter
3. Frame
4. Cabinet
5. Air inlet grille (outdoor side)
6. Air outlet grille
7. Operation knob
8. Power supply cord and plug

ACCESSORIES

Drain Plug(option)



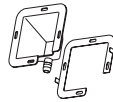
1

Seal



1

Drain Pan (option)



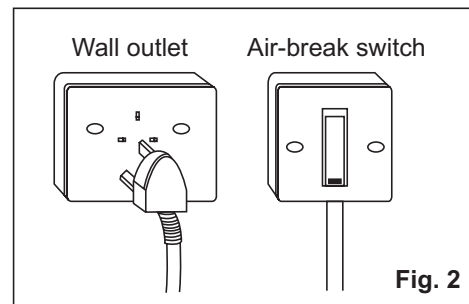
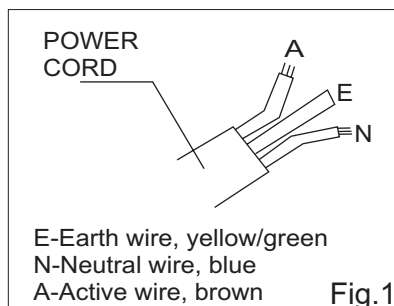
1

Screw(Fasten the front panel)



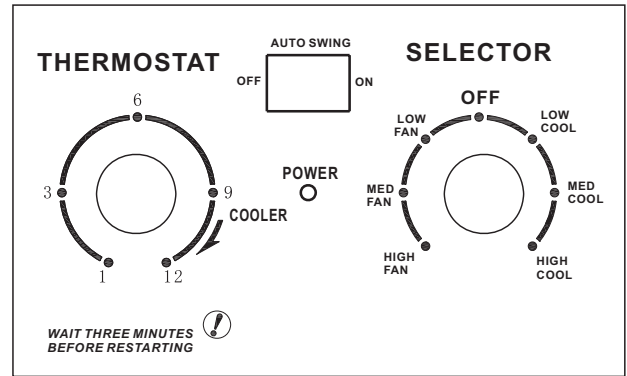
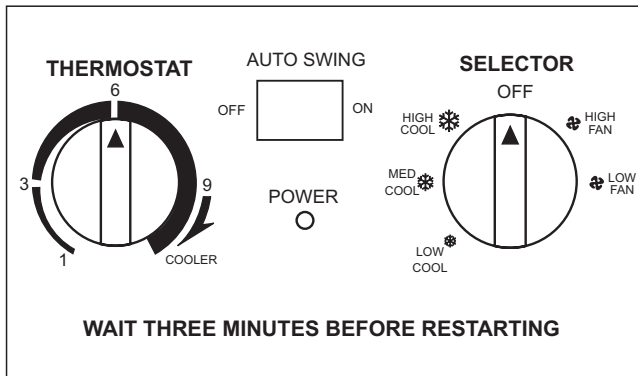
2

1. Power cord conductors are distinguished according to color as follows (see Fig.1)
2. For your safety and protection, this unit is earthed through the power cord (see Fig.2)
Please contact the manufacturer or its service agent or a similar qualified person if you want to replace it.
3. Be sure that the unit being correctly grounded. The wall outlet (Air-break switch) should be provided with reliable earth wire.
4. The unit should be provided with an individual circuit and the circuit breaker/fuse rating should be the same as that of the power cord and wall outlet.



AIR CONDITIONER FEATURES

The Operation Panel of your unit will look like one of the follow:

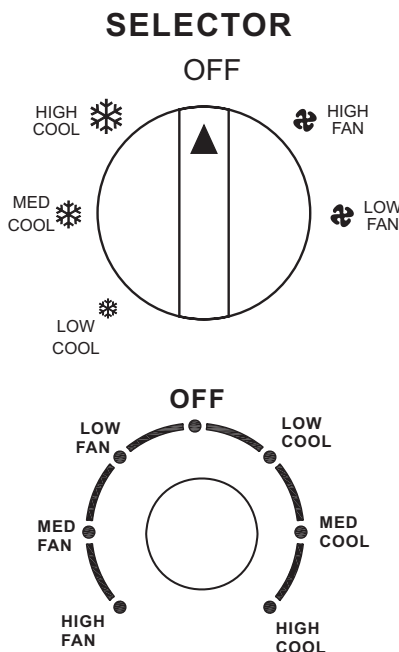


POWER indicator(some models without): This indicator light remains on when the unit is on and goes off when the **SELECTOR** is on “OFF” position.

NOTE: The outline of the operation panel is based on typical model, the function is the same with your air conditioner while some difference may exist in appearance.

SELECTOR

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



Cool Mode

The desired cool setting is selected by rotating the knob to the right to the appropriate location.

“**HIGH COOL**” has maximum cooling effect and airflow.

“**LOW COOL**” has minimum cooling effect and airflow.

“**MED COOL**” has the intermediate cooling effect and airflow.

“**OFF**” will completely shut off the unit.

Fan Mode

Rotate the knob to the left to select your choice of fan speeds for air circulation.

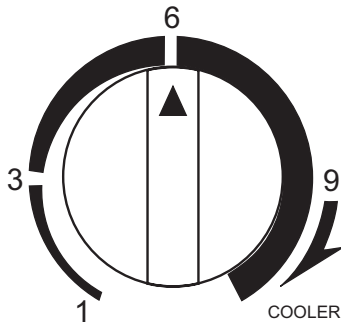
Note: When selecting a fan speed, the compressor will not run.

Note

When turning the **SELECTOR** knob from "LOW COOL" to "HIGH COOL", keep your speed slow as far as possible. Do not change the operation mode between "LOW COOL" and "HIGH COOL" too often.

THERMOSTAT

THERMOSTAT



Thermostat

The thermostat is used to set the desired room temperature when the unit is being operated in the COOL MODE.

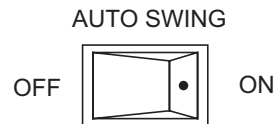
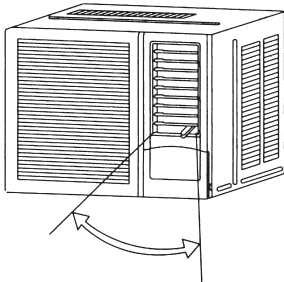
To set the desired room temperature, rotate the thermostat switch to the desired setting. After the set temperature is achieved the thermostat will automatically start and stop the compressor in order to maintain the desired set temperature.

Rotate the thermostat selector clockwise for higher cool settings. Higher cool settings will provide lower room temperature. Rotate the thermostat selector counter clockwise for lower cool settings. Lower cool settings will provide higher room temperature.

NOTE: During the cooling operation of the unit, when the thermostat knob is rotated clockwise, allow at least three minutes before turning back the knob to the “**COOLER**” direction. Otherwise the fuse may blow due to an overload of the unit.

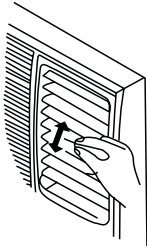
AUTO SWING

Horizontal air flow adjustment (automatically)



When the AUTO SWING switch is turned to “ON” position, the vertical louvers automatically oscillate right and left sweeping the cold air alternately to obtain comfortable cooling. The vertical louvers may be stopped at any position when the AUTO SWING switch is turned “OFF” .

Vertical air flow adjustment (manually)

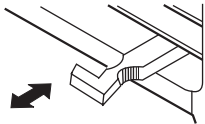


To adjust vertical air flow direction, adjust any one of the horizontal louver blades. When turning up or down the horizontal louver blades, always keep horizontality the top or bottom blades. This can effectively prevent water drops condensed on the front panel of the unit.

Vent Control

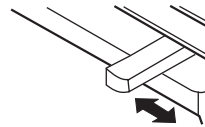
The vent control is located above the control knobs. The operation method is different on different models (see the following figures).

For maximum cooling efficiency, **CLOSE** the vent. This will allow internal air circulation. **OPEN** the vent to discharge stale air.



CLOSE  VENT  OPEN

To open the vent, pull the lever toward you
To close it, push it in.



CLOSE   OPEN

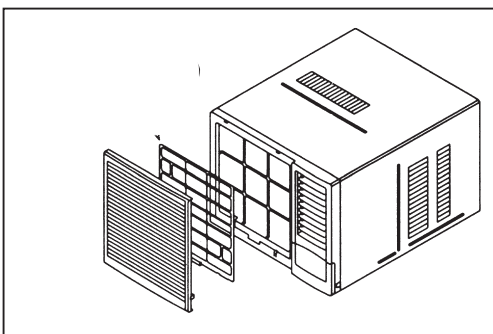
To open the vent, set the lever to the right position
To close it, set the lever in the left position.

NOTE: The VENTILATION LEVER should normally be kept in the **CLOSED** position during cooling for maximum cooling effect. The "OPEN" position is used only for ventilation.

CARE AND CLEANING

CAUTION

Clean your air conditioner occasionally to keep it looking new. **Be sure to unplug the unit before cleaning to prevent shock or fire hazards.**



Air Filter Cleaning

The air filter should be checked at least once a month to see if cleaning is necessary. Trapped particles in the filter can build up and cause an accumulation of frost on the cooling coils.

CARE AND CLEANING(CONTINUED)

- Hold the slot under the front panel, then uplift it onwards, and remove the front panel.
- Pinch the handle under the air filter and make the air filter arched, remove it from the underside to upside.
- Wash the filter using liquid dishwashing detergent and warm water. Rinse filter thoroughly.
- Gently shake excess water from the filter. Be sure the filter is thoroughly dry before replacing.
- Or, instead of washing you may vacuum the filter clean.

Note: Never use hot water over 40 °C(104°F) to clean the air filter. Never attempt to operate the unit without the air filter.

Cabinet Cleaning

- Be sure to unplug the air conditioner to prevent shock or fire hazard. The cabinet and front may be dusted with an oil-free cloth or washed with a cloth dampened in a solution of warm water and mild liquid dishwashing detergent. Rinse thoroughly and wipe dry.
- Never use harsh cleaners, wax or polish on the cabinet front.
- Be sure to wring excess water from the cloth before wiping around the controls.
- Excess water in or around the controls may cause damage to the air conditioner.
- Plug in air conditioner.

NOTE: Never use water over 50 °C, alcohol, gasoline, acid, solvent or brush to clean the front panel as this will damage the surface of the part.

Winter Storage

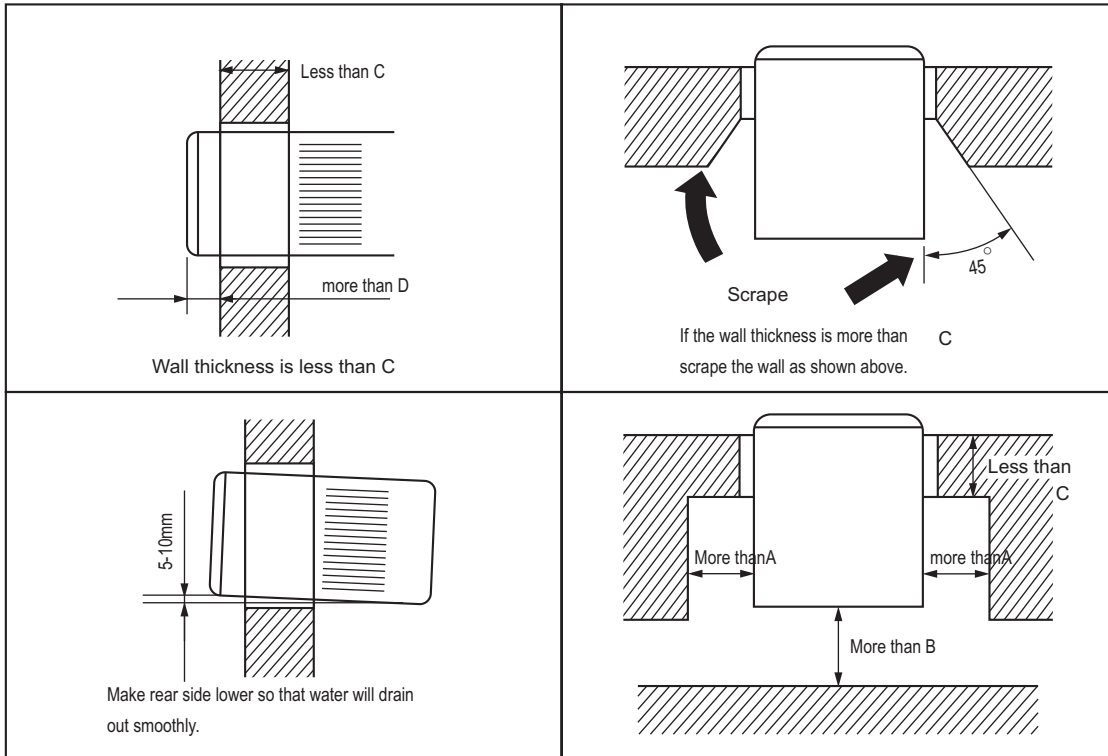
If you plan to store the air conditioner during the winter, remove it carefully from the window according to the installation instructions. Cover it with plastic or return it to the original carton.

INSTALLATION

& Select The Best Location

- ☞ Install the unit at a place having sufficient strength to support the unit securely.
- ☞ For maximum efficiency, install the air conditioner on a side of a house or building which favors more shade than direct sunlight.
- ☞ Provide sufficient clearance or space around the air inlet and air outlet so that air flow will not be obstructed, following figures give detailed requirements.
- ☞ Only trained and qualified service personnel should install, repair or service air conditioning equipment. Users should not install the air conditioner by themselves.

INSTALLATION(CONTINUED)

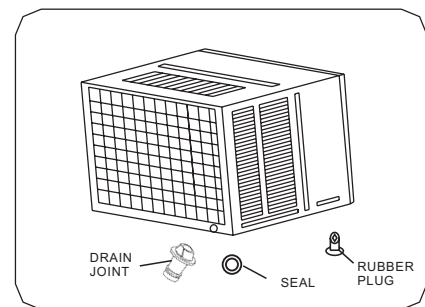


	Size(mm)
A	400
B	500
C	210
D	60

The Treatment of Condensed Water

To meet different requirement of different type of air conditioner, there are two kinds of methods for your choice to treat the condensed water. You can choose back drainage or non-drainage. See the following procedures to perform back drainage:

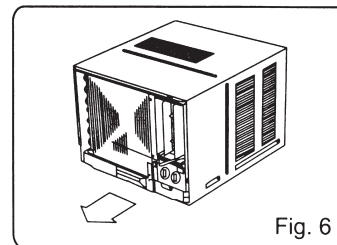
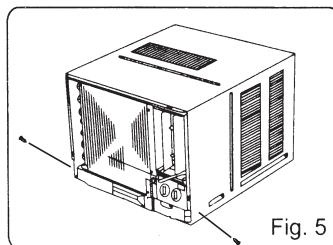
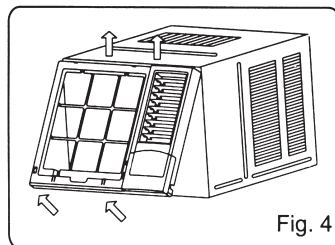
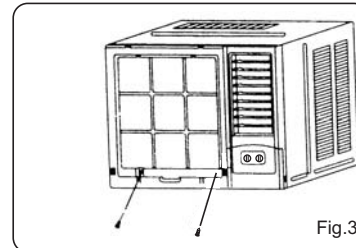
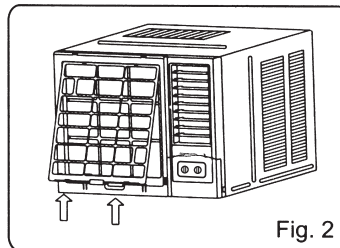
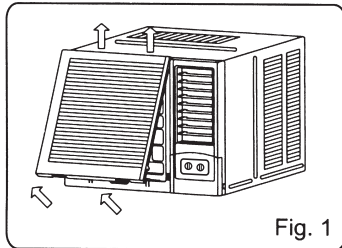
1. Fit the seal onto the drain joint (which provided with your air conditioner accessory).
2. Remove the rubber plug from the back of the unit.
3. Attach the drain joint to the back of the cabinet where you remove the plug and rotate 90° to securely assemble them.
4. Connect the drain joint with a extension drain hose (Locally purchased)



Installation Steps

Step 1. Remove the front panel and the air filter

1. Hold the slot under the front panel, then uplift it outwards, and remove the front panel (See Fig.1).
2. Pinch the handle under the air filter and make the air filter arched, remove it from the slot from underside to upside (See Fig.2).

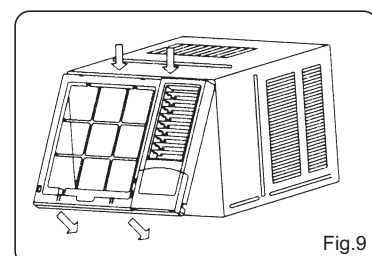
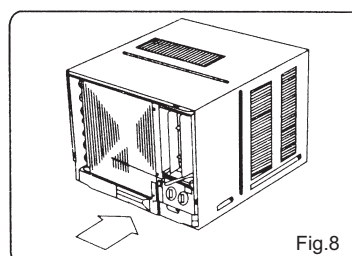
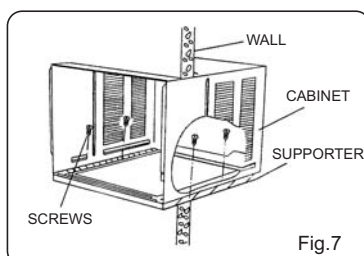


Step 2. Remove the frame.

1. Remove the two fixed screws from the frame. (see Fig.3)
2. Grasp the left corner in the frame's underside, the loosen the frame. (see Fig.4)

Step 3. Installation

1. Remove the screws fix the chassis-fixing board and cabinet. some Models have two more screws on the back of the cabinet. (see Fig.5)
2. Grasp the handle on the chassis and carefully slide the air conditioner out of the cabinet. (see Fig.6)
3. When need to drain off water, in tall the drain pluq on the Chassis board. Then fix the cabinet on the supporter (provide for yourself or contact the dealer)(see Fig.7).
4. Push the unit chassis into the cabinet. (see Fig.8)
5. Fix the chassis and cabinet.. (see Fig.5)

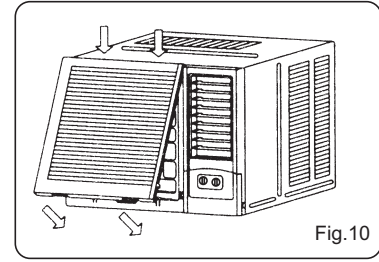


Step 4. Install the frame

1. Install the frame. (see Fig.9)
2. Fix the screws on the frame. (see Fig.3)

Step 5. Install the front panel and the air filter.

1. Install the air filter into the frame's slot from upside to underside. (see Fig.2)
2. Hang the front panel on the frame's buckle, then press the front panel into the frame's slot until hear a click. (see Fig.10)



TROUBLESHOOTING TIPS

Before calling for service, review this list. It may save you time and expense. This list includes common occurrences that are not the result of defective workman-ship or materials in this appliance.

Problem	Solution
Air conditioner does not start	<i>Wall plug disconnected. Push plug firmly into wall outlet.</i>
	<i>House fuse blown or circuit breaker tripped. Replace fuse with time delay type or reset circuit breaker.</i>
	<i>Selector Control in OFF position. Turn selector to the desired FAN or COOL setting.</i>
	<i>Unit turned off by moving thermostat to a higher number and then immediately turning back to a colder number. Wait approximately 3 minutes. Listen for compressor to start.</i>
	<i>Unit turned off and then on too quickly. Turn unit off and wait 3 minutes before restarting.</i>
	<i>Thermostat set too low. Adjust thermostat to higher number for cooling.</i>
Air from unit does not feel cold enough	<i>Turn selector to a higher COOL position.</i>
	<i>Thermostat set too warm. Set thermostat to colder temperature.</i>
	<i>Room temperature below 18°C(64°F). Cooling may not occur until room temperature rises above 18°C(64°F).</i>
	<i>Temperature sensing tube touching cold coil, located behind air filter. Straighten tube away from coil.</i>
Air conditioner cooling, but room is too warm- ice forming on cooling coil behind decorative front.	<i>Outdoor temperature below 18°C(64°F). To defrost the coil, set selector to FAN position. Then, set thermostat to warmer position.</i>
	<i>Air filter may be dirty. Clean filter. Refer to Care and Cleaning section. To defrost, set selector to FAN.</i>
	<i>Thermostat set too cold for night-time cooling. To defrost the coil, set selector to a FAN position. Then, set thermostat to a warmer position.</i>

Problem	Solution
Air conditioner cooling, but room is too warm- NO ice forming on cooling coil behind decorative front.	<p>Dirty air filter- air restricted. Clean air filter. Refer to Care and Cleaning section.</p> <p>Thermostat set too warm. Turn thermostat clockwise to a colder setting.</p> <p>Air directional louvers positioned improperly. Position louvers for better air distribution.</p> <p>Front of units is blocked by drapes, blinds, furniture, etc. - restricts air distribution. Clear blockage in front of unit.</p> <p>Doors, windows, registers, etc. Open- cold air escapes. Close doors, windows, registers.</p> <p>Unit recently turned on in hot room. Allow additional time to remove " Stored heat" from walls, ceiling, floor and furniture.</p>
Air conditioner turns on and off rapidly	<p>Dirty air filter- air restricted. Clean air filter.</p> <p>Outside temperature extremely hot. Set to high cool to bring air past cooling coils more frequently.</p>
Noise when unit is cooling	<p>Air movement sound. This is normal . If too loud, turn selector to lower FAN setting.</p> <p>Sound of fan hitting water-moisture removal system. This is normal when humidity is high. Close doors, windows and registers.</p> <p>Window vibration - poor installation. Refer to installation instructions or check with installer.</p>
Water dripping INSIDE when unit is cooling.	<p>Improper installation. Tilt air conditioner slightly to the outside to allow water drainage. Refer to installation instructions - check with installer.</p>
Water dripping OUTSIDE when unit is cooling.	<p>Unit removing large quantity of moisture from humid room. This is normal during excessively humid days.</p>

SPECIFICATIONS

Unit dimensions:

MODEL(Btu/h)	BODY DIMENSION(mm) (W x H x D)
≤9000	450x345x560
9000<Model≤12000	600x380x560
12000<Model≤18000	661x428x675
> 18000	661x428x675

Minimum nominal cross-sectional area of conductors:

Rated current of appliance (A)	Nominal cross-sectional area (mm²)
>3 and <6	0.75
>6 and <10	1
>10 and <16	1.5
>16 and <25	2.5

Suggest Minimum Wire Size(AWG:American Wire Gage):

Appliance Amps	AWG Wire Size
10	18
13	16
18	14
25	12
30	10

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