



OWNER'S MANUAL AIR CONDITIONER

Please read this manual carefully before operating your unit and retain for future reference.

804109818

SAFETY INSTRUCTIONS

READ ALL INSTRUCTIONS BEFORE USE

Your safety and the safety of others are very important.

We have provided many important safety messages in this manual and on your appliance. Always read and follow all safety messages.

 This is the safety alert symbol.
This symbol alerts you to potential hazards that can kill or injure you and others.
All safety messages will follow the safety alert symbol and either the word WARNING or CAUTION.

These words mean:

WARNING

You may be killed or seriously injured if you do not follow instructions.

CAUTION

You may be injured or cause damage to the product if you do not follow instructions.

All safety messages will tell you what the potential hazard is, tell you how to reduce the chance of injury, and tell you what may happen if the instructions are not followed.

IMPORTANT SAFETY INSTRUCTIONS

WARNING

To reduce the risk of explosion, fire, death, electric shock, scalding or injury to persons when using this product, follow basic precautions, including the following:

INSTALLATION

- Before use, the appliance must be properly installed as described in this manual.
- Contact the authorized service technician for repair or maintenance of this unit.
- Contact the installer for installation of this unit.
- The air conditioner is not intended for use by young children or invalids without supervision.
- *Young children should be supervised* to ensure that they do not play with the air conditioner.
- When the power cord is to be replaced, replacement work shall be performed by authorized personnel only using only genuine replacement parts.
- Installation work must be performed in accordance with the National Electric Code by qualified and authorized personnel only.
- Connect to a properly rated, protected, and sized power circuit to avoid electrical overload.
- Always plug into a grounded outlet.
- Do not under any circumstances, cut or remove the third (ground) prong from the power cord.
- When installing or moving the appliance, be careful not to pinch, crush, or damage the power cord.
- Plug in the power plug properly.
- Do not modify or extend the power cord.
- Do not start/stop operation by plugging/unplugging the power cord.
- If the cord/plug is damaged, have it replaced by an authorized service person using authorized replacement parts.
- Use a dedicated circuit.
- Do not disassemble or modify the product.
- Adhere to all industry recommended safety procedures including the use of long-sleeved gloves and safety glasses.
- Use care when unpacking and installing. The edges of the product may be sharp.
- Disconnect the power cord or circuit breaker before installing or servicing the appliance.
- Keep packaging materials out of the reach of children. These materials can pose a suffocation risk to children.
- Store and install the product where it will not be exposed to temperatures below freezing or exposed to outdoor weather conditions.
- Do not store or use gasoline or other flammable vapors and liquids in the vicinity of this or any other appliance.

OPERATION

- Use this appliance only for its intended purpose.
- Never attempt to operate this appliance if it is damaged, malfunctioning, partially disassembled, or has missing or broken parts, including a damaged cord or plug.
- Repair or immediately replace all power cords that have become frayed or otherwise damaged. Do not use a cord that shows cracks or abrasion damage along its length or at either end.
- Do not run cord under carpets or mats where it could be stepped on and damaged.
- Keep the cord out from under heavy objects like tables or chairs.
- Do not place the power cord near a heat source.
- Do not use an adaptor or plug the product into a shared outlet.
- Do not tamper with controls.
- If you detect a strange sound, a chemical or burning smell, or smoke coming from the appliance, unplug it immediately, and contact a service center.
- Never unplug the appliance by pulling on the power cord. Always grip the plug firmly and pull straight out from the outlet.
- Do not grasp the power cord or touch the appliance controls with wet hands.
- If water enters the product, turn off the power at the main circuit, then unplug the product and call for service.
- If the product has been submerged, contact a service center for instructions before resuming use.
- Unplug the product when unused for long periods.

- Unplug the product before cleaning.
- In the event of a gas leak (propane gas, etc.) do not operate this or any other appliance. Open a window or door to ventilate the area immediately.
- This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning the use of the appliance by a person responsible for their safety.
- The interior of the product must only be cleaned by an authorized service center or a dealer.
- Do not use solvent-based detergent on the product. Doing so can cause corrosion or damage, product failure, electrical shock, or fire.

GROUNDING INSTRUCTIONS

- The power cord of this appliance is equipped with a three-prong (grounding) plug. Use this with a standard three-slot (grounding) wall power outlet to minimize the hazard of electric shock. The customer should have the wall receptacle and circuit checked by a qualified electrician to make sure the receptacle is properly grounded. **DO NOT CUT OR REMOVE THE THIRD (GROUND) PRONG FROM THE POWER PLUG.**
 - Situations when the appliance will be disconnected occasionally; Because of potential safety hazards, we strongly discourage the use of an adapter plug. However, if you wish to use an adapter, a TEMPORARY CONNECTION may be made. Use UL-listed adapter, available from most local hardware stores. The large slot in the adapter must be aligned with the large slot in the receptacle to assure a proper polarity connection.
- Attaching the adapter ground terminal to the wall receptacle cover screw does not ground the appliance unless the cover screw is metal, and not insulated, and the wall receptacle is grounded through the house wiring. The customer should have the circuit checked by a qualified electrician to make sure the receptacle is properly grounded.
- Disconnect the power cord from the adapter, using one hand on each. Otherwise, the adapter ground terminal might break. Do not use the appliance with a broken adapter plug.
 - Situations when the appliance will be disconnected often; Do not use an adapter plug in these situations. Unplugging the power cord frequently can lead to an eventual breakage of the ground terminal. The wall power outlet should be replaced by a three-slot (grounding) outlet instead.

CAUTION

To reduce the risk of minor or moderate injury to persons, malfunction, or damage to the product or property when using this product, follow basic precautions, including the following:

INSTALLATION

- Take care when installing the product that exhaust or condensation does not damage nearby property.
- Follow installation instructions exactly to avoid excessive vibration or water leakage.

OPERATION

- This appliance is not intended for use as a precision refrigeration system. Do not use it for special purposes such as maintaining pets, food, precision machinery, or art objects.
- When installing or moving the appliance, be careful not to pinch, crush, or damage the power cord.
- Make sure the air inlet and outlet are free from obstructions.
- Use a soft cloth to clean the appliance. Do not use waxes, thinners, or harsh detergents.
- Do not step on or place heavy objects on top of the appliance.
- Do not operate the appliance without the filter securely installed.
- Do not drink water drained from the appliance.
- Be sure to ventilate sufficiently when the air conditioner and a heating appliance such as a heater are used simultaneously.
- Do not expose people, animals, or plants to the cold or hot wind from the air conditioner for extended periods of time.
- Remove the batteries if the remote control is not to be used for an extended period of time.
- Never mix different types of batteries, or old and new batteries for the remote control.
- Stop using the remote control if there is a fluid leak in the battery. If your clothes or skin are exposed to the leaking battery fluid, wash off with clean water.
- If the leaking battery fluid has been swallowed, rinse the inside of the mouth thoroughly and consult a doctor.
- Do not recharge or disassemble the batteries.

MAINTENANCE

- Clean the filter every two weeks.
- Never touch the metal parts of the air conditioner when removing the air filter.
- Never use strong cleaning agents or solvents when cleaning the air conditioner or spray water. Use a smooth cloth.

REFRIGERANT (FOR R32 ONLY)

WARNING

- Do not use means to accelerate the defrosting process or to clean, other than those recommended by the manufacturer.
- The appliance shall be stored in a room without continuously operating ignition sources (for example: open flames, an operating gas appliance or an operating electric heater).
- Do not pierce or burn. Be aware that flammable refrigerants may not contain an odor.

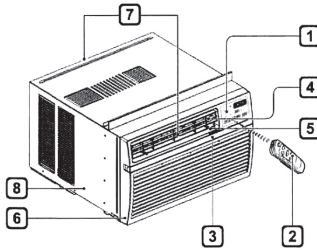
CAUTION

- This unit contains flammable refrigerant and has special safety precautions not normally associated with older units. Please follow all precautions and advisories.
 - Use caution while handling and prevent damage to unit. Do not put any holes into product for any reason. This can cause damage to product and prevent unit from cooling.
 - Maintenance and cleaning of unit should be performed by trained personnel. Failure to properly clean unit can result in damage to the refrigeration system and or the electrical system.
 - Make certain that all the air circulation/ventilation openings are free from obstruction.
 - Service should only be performed by technicians properly trained and certified in the use of flammable refrigerants. Any service performed by unauthorized servicers/individuals will void all warranties.
 - When storing the appliance, do not put in a room with any open flame appliances, such as gas water heaters or furnaces. Also keep away from electric heaters. Damaged units should be repaired before storage.

SAVE THESE INSTRUCTIONS

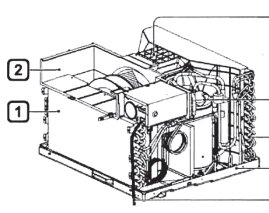
PRODUCT OVERVIEW

Exterior Parts



- 1 Control Panel
- 2 Remote Controller
- 3 Air Filter
- 4 Vertical Air Deflector (Horizontal Louver)
- 5 Horizontal Air Deflector (Vertical Louver)
- 6 Front Grille
- 7 Air Outlet
- 8 Cabinet

Interior Parts



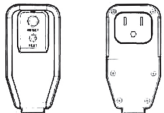
- 1 Evaporator
- 2 Air Guide
- 3 Shroud
- 4 Compressor
- 5 Condenser
- 6 Base Pan
- 7 Power Cord

INSTALLATION

Electrical Data

Power cord may include a current interrupter device. **TEST** and **RESET** buttons are provided on the plug case. The device should be tested on a periodic basis by first pressing the **TEST** button and then the **RESET** button. If the **TEST** button does not trip or if the **RESET** button will not stay engaged, discontinue use of the air conditioner and contact a qualified service technician.

for 120 V



Use Wall Receptacle	Power Supply
 Standard 120 V, 3-wire grounding receptacle rated 15 A / 120 VAC / 60 Hz	Use 15 A, time delay fuse or 15 A, circuit breaker.

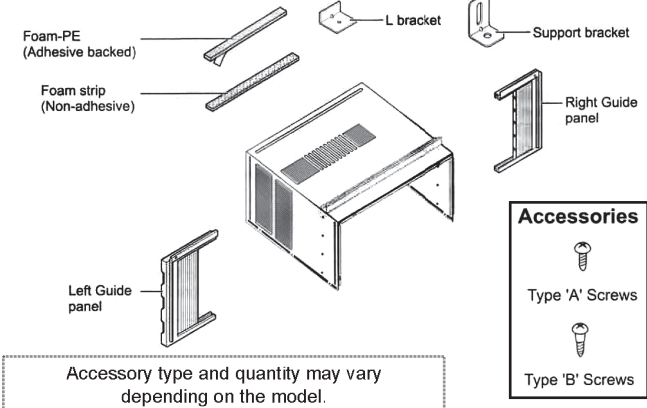
WARNING

- This appliance should be installed in accordance with the National Electrical Code.
- Use of extension cords could cause serious injury or death.
 - Do not use an extension cord with this window air conditioner.
 - Do not use surge protectors or multi-outlet adapters with this window air conditioner.
- Never push the **TEST** button during operation. Doing so can damage the plug.
 - Do not remove, modify, or immerse this plug. If this device trips, the cause should be corrected before further use.

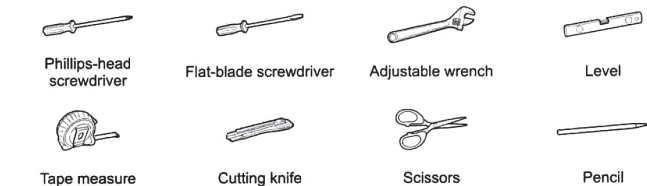
CAUTION

- The conductors inside this cord are surrounded by shields, which monitor leakage current. These shields are not grounded. Periodically examine the cord for any damage. Do not use this product in the event the shields become exposed. Avoid shock hazard. This unit cannot be user-serviced. Do not open the tamper-resistant sealed portion. All warranties and performance will be voided. This unit is not intended to be used as an ON/OFF switch.

Installation Overview



Tools Needed (Not Supplied)



Window Requirements

- This unit is designed for installation in standard double hung windows with actual opening widths from 22" to 36". The top and bottom window sashes must open sufficiently to allow a clear vertical opening of 13" from the bottom of the upper sash to the inside sill.



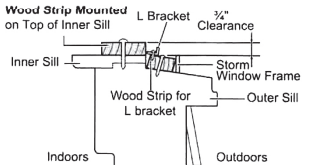
NOTE

- This product is a WINDOW AIR CONDITIONER. As such, a standard single-hung or double-hung window is required for proper installation. No-window installations, including using sleeves, holes in walls, and other installations are not recommended.

Clearance

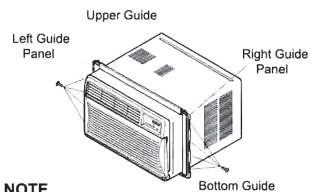
Proper clearance enhances the cooling efficiency of the product.

- 1 If a storm window presents interference, fasten a 2" wide wood strip to the inner window sill across the full width of the sill. The wood strip should be thick enough to raise the height of the window sill so that the unit can be installed without interference by the storm window frame.
- 2 (See drawing.) The top of the wood strip on the inside sill should be approximately 3/4" higher than the storm window frame or wood strip on the outside sill to help condensation to drain properly to the outside.
- 3 If necessary, install a second wood strip (same thickness as first strip) in the center of sill flush against the back off the inner sill. This will raise the L bracket as shown in the drawing.



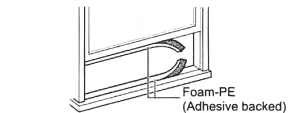
Preparation of Chassis

- 1 Insert the guide panels into the upper and bottom guide. Fasten the curtains to the unit with 4 type A screws on each side.

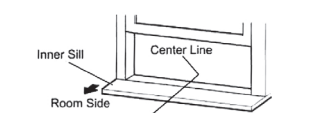


NOTE

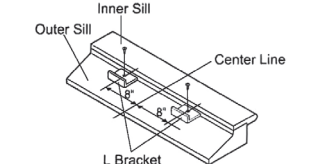
- Use a long screwdriver and installing the screws will be easier.
- 2 Cut the window sash seals to the proper length. Peel off the backing and attach the Foam-PE (Adhesive backed) to the underside of the window sash and bottom of window frame.



- 3 Open the window and mark center line on the center of the inner sill.



- 4 Install the L bracket behind the inner window sill, with short side of bracket as shown. Use the 2 Type A screws provided.



NOTE

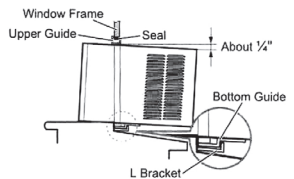
- The bracket helps to hold unit securely in place. Be sure to place bracket edge flush against back of inner sill.

Unit Installation

CAUTION

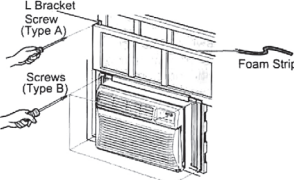
- During the following step, hold unit firmly until window sash is lowered to top channel behind side panel frames. Personal injury or property damage may result if unit falls from window.

- 1 Set the air conditioner in the window so that is centered. Place the air conditioner so that front edge of the bottom guide is against the back edge of the sill.
Bring the window down so that the front edge of the upper guide is in front of the window. Make sure that air conditioner is level or tilting slightly to the outside.



- 2 Extend the guide panels to fill the window opening using 4 Type B screws to secure them.

- 3 Cut the foam strip to the window width. Stuff the foam strip between the glass and the window to prevent air and insects from getting into the room. Fasten the L bracket using a Type A screw.

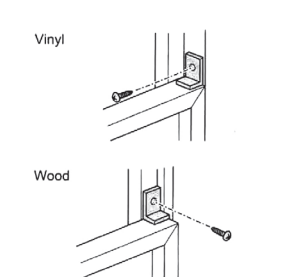


CAUTION

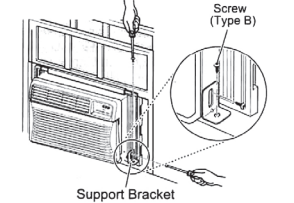
- To prevent broken glass or damage to windows, on vinyl or other similarly constructed windows, attach the window locking becket to the window side jamb with one Type A screw.

NOTE

- Fasten the remaining L bracket to the outer window sash with 1 type A screw as shown.



- 4 Remove the screw form the right side of cabinet. Fasten the support bracket using a removed from the air conditioner cabinet. Attach the support bracket to the inner window sill with a Type B screw.



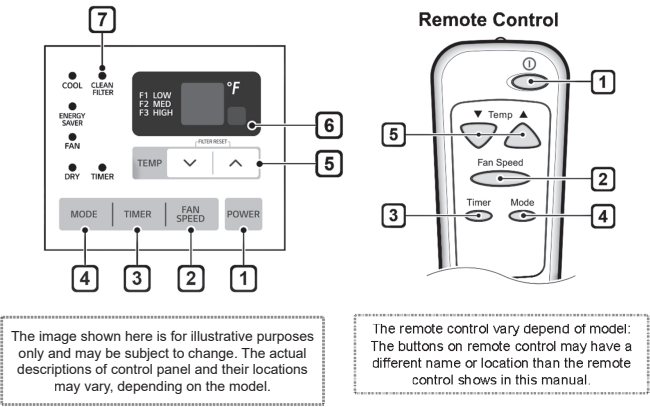
IMPORTANT INFORMATION

-  Do not drill holes in the product. Drilling holes in the product can cause the air conditioner to not function properly.

The image shown here is for illustrative purposes only and may be subject to change.

OPERATION

Control Panel and Remote Control



- 1 Power**
Press to turn the air conditioner ON or OFF.

2 Fan Speed
Press to set the fan speed to Low (F1), Medium (F2), or High (F3).

3 Delay ON/OFF Timer
Delay ON - When the air conditioner is off, set it to automatically turn on from 1 to 24 hours later, at its previous mode and fan settings.
Delay OFF - When the air conditioner is on, set it to automatically turn off from 1 to 24 hours later.

NOTE

 - Each press of the **Timer** button advances the timer by 1 hour. After the last press the display returns to the temperature setting.

4 Operation Mode
Press the Mode button to cycle between 4 types of air conditioner operation: Energy Saver / Cool / Fan / Dry.

Energy Saver - In this mode the compressor and fan turn off when the set temperature is achieved. Approximately every 3 minutes the fan turns on to allow the unit sensor to accurately determine if more cooling is needed.

Cool - This mode is ideal on hot days to cool and dehumidify the room quickly. Use the **Temp** $\wedge$ | $\vee$ buttons to set the desired room temperature and use the **Fan Speed** button to set the desired fan circulation speed.

Fan - In this mode the fan circulates air but the compressor does not run. Use the **Fan Speed** button to set fan speed to High, Medium or Low. In this mode, you cannot adjust the set temperature.
- 5 Temperature Control**
The thermostat monitors room temperature to maintain the desired temperature. The thermostat can be set between 60 °F–86 °F (16 °C–30 °C). Press $\wedge$ or $\vee$ arrows to increase or decrease temperature setting.

6 Remote Control Sensor

7 Clean Filter
The Clean Filter LED lights up to notify you that the filter needs to be cleaned. After cleaning the filter, press **Temp** $\wedge$ and $\vee$ together on the control panel to turn off the Clean Filter light.

NOTE

 - The filter reset must be done using the control panel, not the remote control.
 - This feature is a reminder to clean the air filter for more efficient operation. The LED light turns on after 250 hours of operation.

- NOTE**
- **Auto Restart:** If the air conditioner turns off due to a power outage, it will restart automatically once the power is restored, with the same settings as were set before the unit turned off.
 - **Energy Saver:** The unit defaults to the Energy Saver mode each time the unit is switched on except in Fan mode or when power is restored after an electrical power outage.
 - The remote control will not function properly if the AC infrared sensor is exposed to direct light or if there are obstacles between the remote controller and the air conditioner.

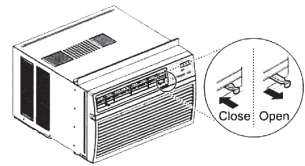
Wireless Remote Control
Inserting Battery

- 1** Push out the cover on the back of the remote control with your thumb.

(Batteries Not Supplied)
- 2** Pay attention to polarity and insert one new AAA 1.5 V battery.
- 3** Reattach the cover.
- NOTE**
- One new battery with the air conditioner for use in the remote control.
 - Do not use a rechargeable battery. Make sure that the battery is new.
 - In order to prevent discharge, remove the battery from the remote control if the air conditioner is not going to be used for an extended period of time.
 - Keep the remote control away from extremely hot or humid places.
 - To maintain optimal operation of the remote control, the remote sensor should not be exposed to direct sunlight.

Ventilation

Push the ventilation lever in to the closed position to maintain the best cooling performance. Pull the ventilation lever out to open the vent and draw fresh air into the room.

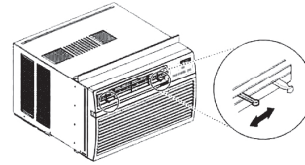


Air Direction

Airflow can be adjusted by changing the direction of the air conditioner's louvers.

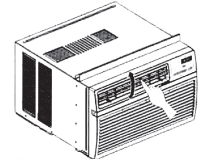
Adjusting Horizontal Airflow Direction

The horizontal airflow is adjusted by moving the levers of the vertical louvers to the left or right.



Adjusting Vertical Airflow Direction

Touch the horizontal louvers to adjust the airflow up or down.



NOTE

- When the weather is extremely hot, the unit may turn off automatically to protect the compressor.

Additional Features

Slinger Fan

This air conditioner is equipped with a slinger fan. The fan's outer ring picks up the condensed water from the base pan if the water level gets high enough. The water is then picked up by the fan and expelled through the condenser, making the air conditioner more efficient.



MAINTENANCE

WARNING

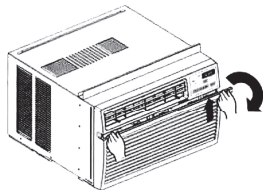
Before cleaning or performing maintenance, disconnect the power supply and wait until the fan stops.

Air Filter

Check the air filter at least twice a month to see if cleaning is necessary. Trapped particles in the filter can build up and block the airflow, reducing cooling capacity and causing an accumulation of frost on the evaporator.

Cleaning the Air Filter

- 1** Remove the air filter from the front grille by pulling the filter forward and then up slightly.



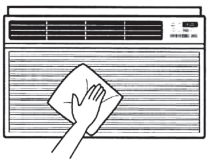
- 2** Wash the filter using lukewarm water below 40 °C (104 °F).



- 3** Gently shake the excess water from the filter and replace.

Cleaning the Air Conditioner

- Wipe the front grille and inlet grille with a cloth dampened in a mild detergent solution.
- Wash the cabinet with mild soap or detergent and lukewarm water, then polish using liquid appliance wax.



NOTE

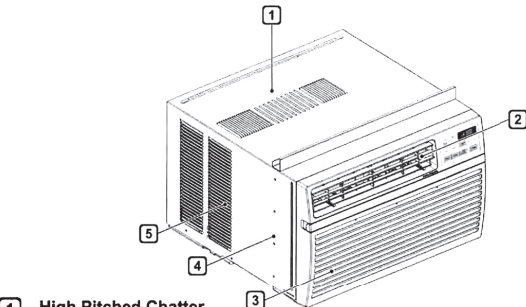
- To ensure continued peak efficiency, the condenser coils (outside of unit) should be checked periodically and cleaned if clogged with soot or dirt from outside air.

TROUBLESHOOTING

Before Calling for Service

The appliance is equipped with an automatic error-monitoring system to detect and diagnose problems at an early stage. If the appliance does not function properly or does not function at all, check the following before you call for service.

Normal Sounds You May Hear



- 2 Sound of Rushing Air**
At the front of the unit, you may hear the sound of rushing air being moved by the fan.

3 Gurgle/Hiss
Gurgling or hissing noise may be heard due to refrigerant passing through evaporator during normal operation.

4 Vibration
Unit may vibrate and make noise because of poor wall or window construction or incorrect installation.

5 Pinging or Swishing
Droplets of water hitting condenser during normal operation may cause pinging or swishing sounds.

Problem	Possible Cause	Solutions
Air conditioner does not start.	The air conditioner is unplugged.	Make sure the air conditioner plug is pushed completely into the outlet.
	The fuse is blown/circuit breaker is tripped.	Check the house fuse/circuit breaker box and replace the fuse or reset the breaker.
	Power failure.	If power failure occurs, turn the mode control to off. When power is restored, wait 3 minutes to restart the air conditioner to prevent tripping of the compressor overload.
	The current interrupter device is tripped.	Press the RESET button located on the power cord plug. If the RESET button will not stay engaged, discontinue use of the air conditioner and contact a qualified service technician.
Air conditioner does not cool as it should.	Airflow is restricted.	Make sure there are no curtains, blinds, or furniture blocking the front of the air conditioner.
	The temp control may not be set correctly.	Set the desired temperature to a level lower than the current temperature.
	The air filter is dirty.	Clean the filter at least every 2 weeks. See the 'MAINTENANCE' section.
	The room may have been hot.	When the air conditioner is first turned on, you need to allow time for the room to cool down.
	Cold air is escaping.	Check for open furnace floor registers and cold air returns.
	Cooling coils have iced up.	See 'Air conditioner freezing up' below.
Air conditioner freezing up.	The cooling coils are iced over.	Ice may block the air flow and obstruct the air conditioner from properly cooling the room. Set the mode control at High Fan or High Cool .
Water drips outside.	Hot, humid weather.	This is normal.
Water drips indoors.	The air conditioner is not tilted to the outside.	For proper water disposal, make sure the air conditioner slants slightly from the cabinet front to the rear.
Water collects in base pan.	Moisture removed from air and drains into base pan.	This is normal for a short period in areas with little humidity; normal for a longer period in very humid areas.
	Dirty air filter - air restricted.	Clean air filter.
Air conditioner turns on and off rapidly.	Outside temperature extremely hot.	Refer to installation instructions or check with installer.
	Air movement sound.	This is normal. If too loud, set to lower FAN setting.
Noise when unit is cooling.	Window vibration - poor installation.	Refer to installation instructions or check with installer.
	Remote control not located within range.	Place remote control within 20 feet & 120° radius of the front of the unit.
Remote sensing deactivating prematurely.	Remote control signal obstructed.	Remove obstruction.
	Set temperature too low.	Increase set temperature.

NOTE

- You can refer to the Energy Star program in detail at www.energystar.gov.
- If you see "CH" in the display, please contact a service center.

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