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Window Type Air Conditioner

Owner's Manual

Residential Air Conditioner

Models:

IWA-06CP, IWA-08CP, IWA-10CP, IWA-12CP

Thank you for choosing Residential Air Conditioners, please read this owner's manual carefully before operation and retain it for future reference.

If you have any questions please contact IMPECCA Customer Service

On-line at www.impeccausa.com/contactus.php □□□□

Phone 1-866-954-4440

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AIR CONDITIONER SAFETY

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 obey all safety messages.



This is the safety alert symbol.

This symbol alerts you to potential hazards that can kill or hurt you and others.

All safety messages will follow the safety alert symbol and either the word "DANGER" or "WARNING." These words mean:

⚠ DANGER

You can be killed or seriously injured if you don't immediately follow instructions.

⚠ WARNING

You can be killed or seriously injured if you don't 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 can happen if the instructions are not followed.

IMPORTANT SAFETY INSTRUCTIONS

WARNING: To reduce the risk of fire, electrical shock or injury when using your air conditioner, follow these basic precautions:

- Plug into a grounded 3 prong outlet.
- Do not use an extension cord.
- Do not remove ground prong.
- Unplug air conditioner before servicing.
- Do not use an adapter.
- Use two or more people to move and install air conditioner.

SAVE THESE INSTRUCTIONS

Recommended ground method

For your personal safety, this air conditioner must be grounded. This air conditioner is equipped with a power supply cord having a grounded 3 prong plug. To minimize possible shock hazard, the cord must be plugged into a mating, grounded 3 prong outlet, grounded in accordance with all local codes and ordinances. If a mating outlet is not available, it is the customer's responsibility to have a properly grounded 3 prong outlet installed by a qualified electrical installer.

It is the customer's responsibility:

- To contact a qualified electrical installer.
- To assure that the electrical installation is adequate and in conformance with National Electrical Code, ANSI/NFPA 70 - latest edition, and all local codes and ordinances.

Copies of the standards listed may be obtained from:

National Fire Protection Association
One Batterymarch Park
Quincy, Massachusetts 02269

⚠ WARNING

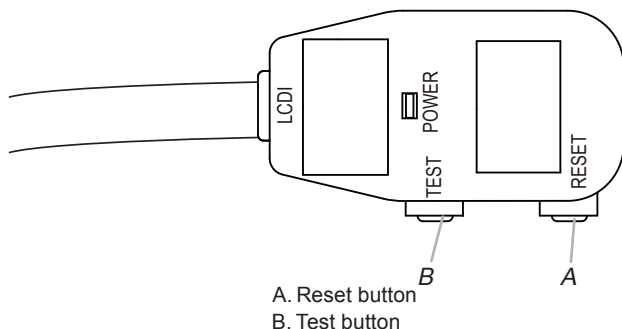


Electrical Shock Hazard

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.

Power Supply Cord

NOTE: Your unit's device may differ from the one shown.



This room air conditioner is equipped with a power supply cord required by UL. This power supply cord contains state-of-the-art electronics that sense leakage current. If the cord is crushed, the electronics detect leakage current and power will be disconnected in a fraction of a second.

To test your power supply cord:

1. Plug power supply cord into a grounded 3 prong outlet.
2. Press RESET (on some devices, a green light will turn on).
3. Press TEST (listen for click; Reset button will trip, and on some devices, a green light will turn off).
4. Press and release RESET (listen for click; Reset button will latch, and on some devices, a green light will turn on). The power supply cord is ready for operation.

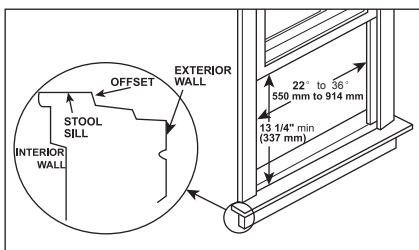
NOTES:

- The Reset button must be pushed in for proper operation.
- The power supply cord must be replaced if it fails to trip when the test button is pressed or fails to reset.
- Do not use the power supply cord as an off/on switch. The power supply cord is designed as a protective device.
- A damaged power supply cord must be replaced with a new power supply cord obtained from the product manufacturer and must not be repaired.
- The power supply cord contains no user serviceable parts. Opening the tamper-resistant case voids all warranty and performance claims.

INSTALLATION INSTRUCTIONS

Your air conditioner is designed to install in standard double hung windows with opening widths of 22 to 36 inches (550 mm to 914 mm) (FIG. 1)

Lower sash must open sufficiently to allow a clear vertical opening of 13-1/4 inches (337 mm). **Side louvers and the rear of the AC must have clear air space to allow enough airflow through the condenser, for heat removal. The rear of the unit must be outdoors, not inside a building or garage.**



SAVE CARTON and these INST

NOTE: SAVE CARTON and these INSTALLATION INSTRUCTIONS for future reference. The carton is the best way to store unit during winter, or when not in use.

Some assembly is required. Please read these instructions carefully.

Mounting Hardware



2/5" screws

4/5" screws

sash lock

Qty.

4

6

1

TOOLS NEEDED:

- Phillips Screw Driver
- Drill (If pilot holes are needed)

CAUTION

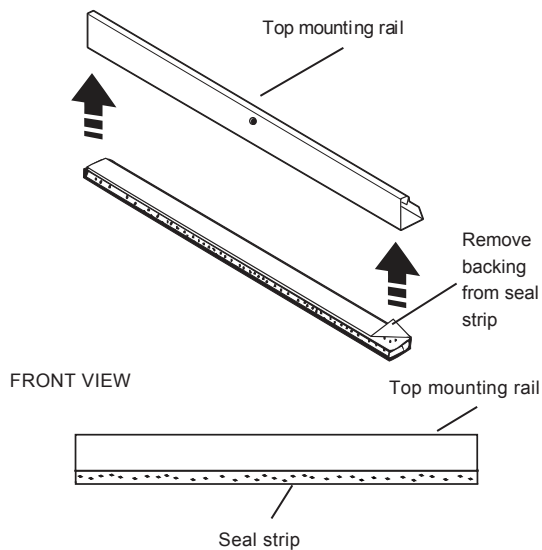
When handling unit, be careful to avoid cuts from sharp metal edges and aluminum fins on front and rear coils.

How to Install

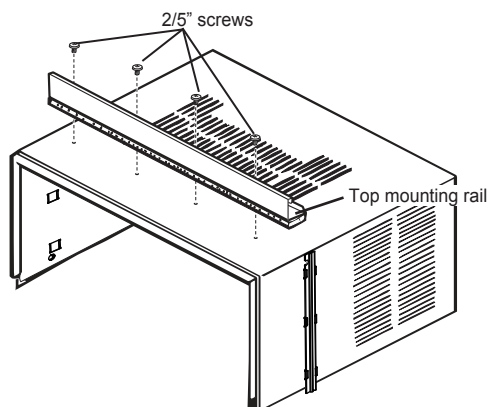
NOTE: Top Rail and Sliding Panels at each side are offset to provide the proper pitch to the rear of (5/16"). This is necessary for proper condensed water utilization and drainage. If you are not using the Side Panels for any reason, this pitch to the rear must be maintained!

1 Place unit on floor, a bench or a table. There is a Left and Right Window Filler Panel - be sure to use the proper panel for each side. When installed the flange for securing the panel in place to the window sill will be facing into the room.

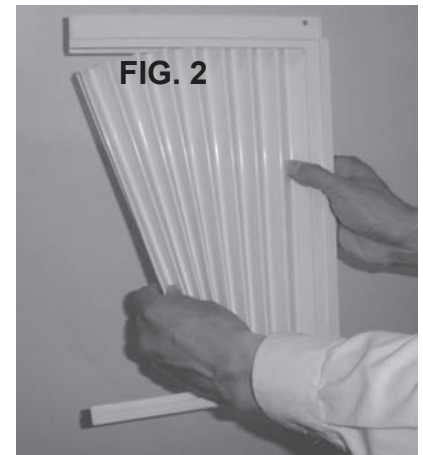
A. Remove the backing from the top mounting rail seal strip and attach the seal strip to the bottom of the top mounting rail, along the front edge.



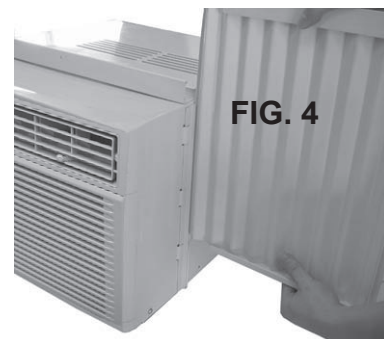
B. Attach the top mounting rail onto the top of the case with 2/5" screws.



C. Hold the Accordion Panel in one hand and gently pull back the center to free the open end. See Figure 2.



D. Slide the free end ("I" section) of the panel into the cabinet as shown in Figures 3A, 3B & 4. Slide the panel down. Be sure to leave enough space to slip the top and bottom of the frame into the rails on the cabinet.

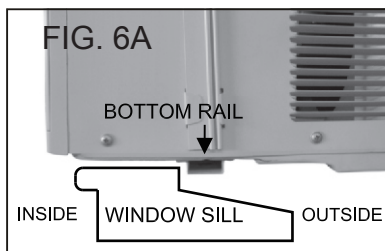


- E. Once the panel has been installed on the side of the cabinet, make sure it sits securely inside the frame channel by making slight adjustments. Slide the top and bottom ends of the frame into the top and bottom rails of the cabinet. Figure 5.



- F. Slide the panel all the way in and repeat on the other side.

- 2** Keep a firm grip on the air conditioner, carefully place the unit into the window opening so the bottom of the air conditioner frame is against the window sill (FIG. 6 & FIG. 6A). Carefully close the window behind the top rail of the unit.



- 3** Extend the side panels out against the window frame (FIG. 7).



- 4** Drive 4/5" (19 mm) locking screws through frame holes into window sash (FIG.8/9).



- 5** To secure lower sash in place, attach right angle sash lock with 4/5" (19 mm) screw as shown (FIG.10).

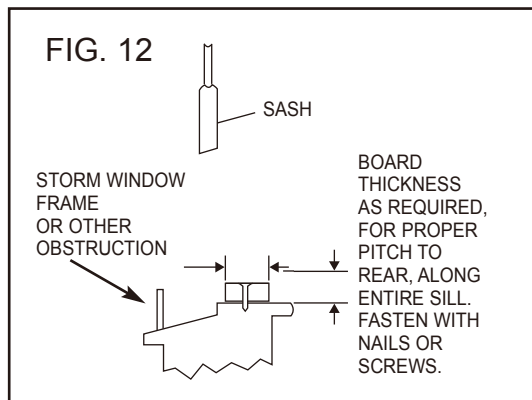


- 6** Cut foam seal and insert in the space between the upper and lower sashes (FIG.11).



If AC is Blocked by Storm Window

Add wood as shown in FIG. 12, or remove storm window before air conditioner is installed.



If Storm Window Frame must remain, be sure the drain holes or slots are not caulked or painted shut. Accumulated Rain Water or Condensation must be allowed to drain out.

Removing AC From Window

- * Turn AC off, and disconnect power cord.
- * Remove sash seal from between windows, and unscrew safety lock.
- * Remove screws installed through frame and frame lock.
- * Close (slide) side panels into frame.
- * Keeping a firm grip on air conditioner, raise sash and carefully “rock” air conditioner backward to drain any condensate water in base of unit. Be careful not to spill any remaining water while lifting unit from window. Store parts WITH air conditioner.

AIR CONDITIONER USE

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

This section explains proper air conditioner operation.

IMPORTANT:

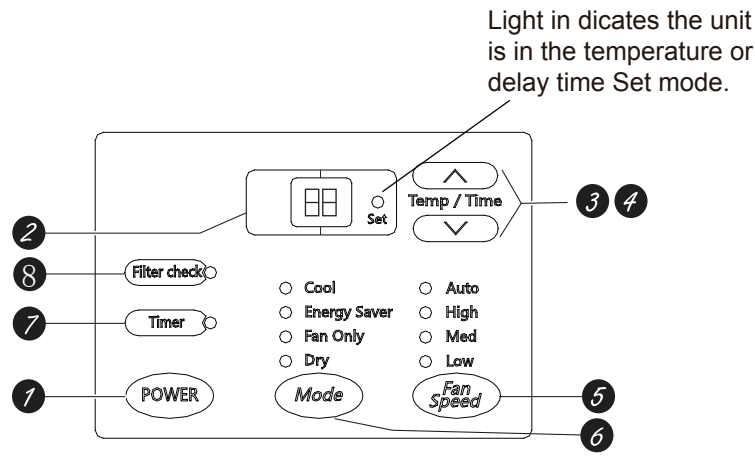
- If you turn off the air conditioner, wait at least 3 minutes before turning it back on. This prevents the air conditioner from blowing a fuse or tripping a circuit breaker.
- Do not try to operate your air conditioner in the cooling mode when outside temperature is below 65°F (18°C). The inside evaporator coil will freeze up, and the air conditioner will operate properly.

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

Controls

Starting Your Air Conditioner — Digital Control

Lights next to the touch pads on the air conditioner control panel indicate the selected settings.



A

1 Power Pad

Turns air conditioner on and off.

2 Display

1. Under ON status without timer setting, the operation mode is **Auto**, **Cool**, **Energy Saver** or **Dry** mode, and the set temperature will be displayed.
2. Under ON status without timer setting, the operation mode is fan mode and the ambient temperature will be displayed.
3. Time will be displayed under timer setting or timer preview.

3 Temp Increase ▲ /Decrease ▼ Pads

Use to set temperature when in **Cool**, **Energy Saver** or **Dry** mode. The **Set** light will turn on while setting.

4 Timer Increase ▲ /Decrease ▼ Pads

Each touch of the **Increase ▲ /Decrease ▼** pads on the unit will set the delay time when using the **Timer** pad on the unit. The **Set** light will turn on while setting.

5 Fan Speed Pads

Use to set the fan speed to **Low**, **Med**, **High** or **Auto** on the unit.

6 Mode Pad

Use to set the air conditioner to **Cool**, **Energy Saver**, **Fan Only**, **Dry** or **Auto** mode.

7 Timer Pad

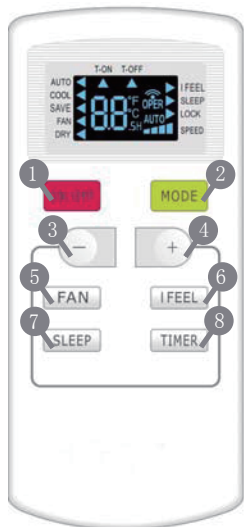
Timer **ON** can be set under off state of unit. If timer **ON** reaches, the system will run under previous setting mode. The setting range is 0.5~24hr.

Timer **OFF** can be set under on state of unit. If timer **OFF** reaches, the unit will turn off. The timer can be set in 0.5 hour increment below 10 hours and in 1 hour increment for 10 hours or above.

8 Filter check Pad

After fan rotates for 250h totally, lamp of cleaning filter is on to remind customer clean it.

Note: When user cleaned the filter, press Filter check button to clear the operation time. Meanwhile, the warning indicator will turn off.



Remote Control

Remote Control

1 ON/OFF:

Press this button to turn on the unit. Press this button again to turn off the unit.

2 MODE:

Each time you press the button, a mode is selected in a sequence that goes from AUTO, COOL, SAVE, FAN and DRY, as the following:



3 - :

Press this button to decrease set temperature. Holding it down above 2 seconds rapidly decreases set temperature. In AUTO mode, set temperature is not adjustable.

4 + :

Press this button to increase set temperature. Holding it down above 2 seconds rapidly increases set temperature. In AUTO mode, set temperature is not adjustable.

5 FAN

This button is used for setting Fan Speed in the sequence that goes from AUTO, , , to , then back to Auto.



NOTE: There are 3 speeds for the Fan Speed of this model.

6 I FEEL:

I feel function will be action if pressing this button. If controller receives I FEEL order, it will work under ambient temperature value which sending by remote controller, and remote controller will send ambient temperature value to controller every 10min. After 11min, if controller does not receive ambient temperature value which sending by remote controller, it will run with AC ambient temperature; if I FEEL is not set, ambient temperature will adopt sampling value of AC temperature sensor. If power off happens, this function will not be memorized.

7 SLEEP:

Press this button to go into the SLEEP operation mode. Press it again to cancel this function. This function is available in COOL, HEAT (Only for models with heating function) or DRY mode to maintain the most comfortable temperature for you.

8 TIMER:

Press this button to initiate auto-on/auto-off timer. To cancel auto-timer program, press this button twice.

9 Combination of "+" and "-" buttons: About lock

Press "+" and "-" buttons simultaneously to lock or unlock the keypad. If the remote controller is locked, is displayed. In this case, pressing any button, blinks three times.

10 Combination of "MODE" and "-" buttons: About switch between fahrenheit and cennigrade

At unit OFF, press "MODE" and "-" buttons simultaneously to switch between °C and °F.

11 Combination of "+" and "FAN" buttons: About Lamp

Under switch-on or switch-off state, you may hold "+" and "FAN" buttons simultaneously for 3 seconds to set the lamp on or off and send the code. After being energized the lamp is defaulted on.

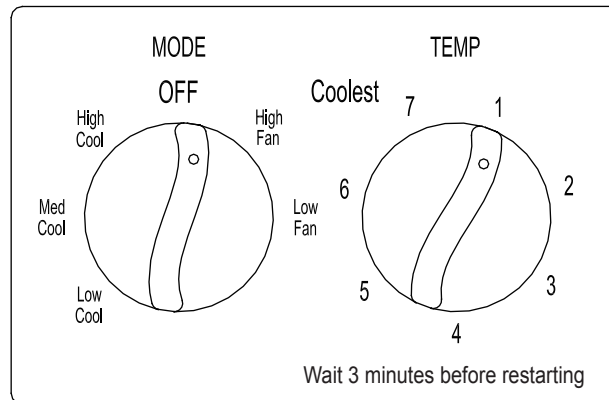
12 About Energy saving

Under energy saving mode, lamp of energy saving mode is on, and the temperature setting range is 61~86 °F (16~30 °C). The buzzer will give out a beep if remote control turbo speed by F remote controller, and runs with high speed.

Note: This is a general use remote controller, it could be used for the air conditioners with multifunction; For some function, which the model doesn't have, if press the corresponding button on the remote controller that the unit will keep the original running status.

Air Conditioner Features

Features and appearance will vary.



Controls

The air conditioner controls are located behind the control panel door. Press to open and close the door.

Mode Control

High Cool, Med Cool and Low Cool provide cooling with different fan speeds. Fan settings provide air circulation and filtering without cooling.

NOTE: If you move the mode control from a cool setting to **OFF** or to a fan setting, wait at least 3 minutes before switching back to a cool setting.

Cooling Descriptions

For Normal Cooling—Select **High Cool** or **Med Cool** with the TEMPERATURE control at midpoint.

For Maximum Cooling—Select **High Cool** with the TEMPERATURE control at the highest number available on your knob.

For Quieter & Nighttime Cooling—Select **Low Cool** with the TEMPERATURE control at midpoint.

TEMP Control

The TEMP control is used to maintain the room temperature. The compressor will cycle on and off to keep the room at the same level of comfort. When you turn the knob to a higher number, the indoor air will become cooler. Turn the knob to a lower number and the indoor air will become warmer.

Normal Sounds

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

- Droplets of water hitting the condenser, causing a pinging or clicking sound. The water droplets help cool the condenser.
- 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.

AIR CONDITIONER CARE

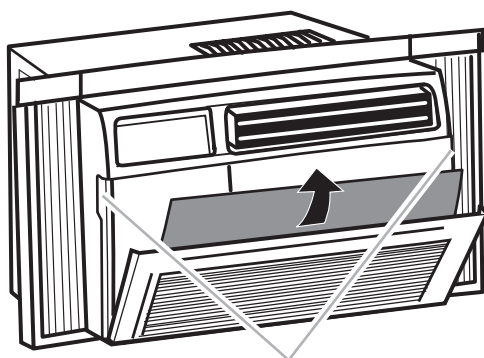
Your new air conditioner is designed to give you many years of dependable service. This section tells you how to clean and care for your air conditioner properly. Call your local authorized dealer for an annual checkup. Remember... the cost of this service call is your responsibility.

Cleaning the Air Filter

The air filter is removable for easy cleaning. A clean filter helps remove dust, lint, and other particles from the air and is important for best cooling and operating efficiency. Check the filter every 2 weeks to see whether it needs cleaning.

NOTE: Do not operate the air conditioner without the filter in place.

-
1. Turn off air conditioner.
 2. Remove air filter by pulling down on the indents in the top or sides of filter door and sliding air filter up and out. Filter door is not removable.



A
A. Indents

3. Use a vacuum cleaner to clean air filter. If air filter is very dirty, wash it in warm water with a mild detergent. Do not wash air filter in the dishwasher or use any chemical cleaners. Air dry filter completely before replacing to ensure maximum efficiency.
4. Replace air filter by sliding filter down into filter door and closing filter door.

Cleaning the Front Panel

1. Unplug air conditioner or disconnect power.
 2. Clean front panel with a soft, damp cloth.
 3. Air dry front panel completely.
 4. Plug in air conditioner or reconnect power.
-

Repairing Paint Damage

Check once or twice a year for paint damage. This is very important, especially in areas near oceans or where rust is a problem. If needed, touch up with a good grade enamel paint.

NOTE: To reduce paint damage during the winter, install a heavy-duty cover over air conditioner cabinet. For information on ordering a heavy-duty cover, see "Accessories."

Annual Maintenance

Your air conditioner needs annual maintenance to help ensure steady, top performance throughout the year. Call your local authorized dealer to schedule an annual checkup. The expense of an annual inspection is your responsibility.

TROUBLESHOOTING

You can solve many common air conditioner problems easily, saving you the cost of a service call. Try the suggestions below to see whether you can solve your problem without outside help.

Air conditioner will not operate

- **The power supply cord is unplugged.** Plug into grounded 3 prong outlet. See “Electrical Requirements.”
- **The power supply cord trips (Reset button will pop out).** Press and release RESET (listen for click; Reset button will latch and on some devices, a green light will turn on) to resume operation.
- **A household fuse has blown or circuit breaker has tripped.** Replace the fuse or reset the circuit breaker. See “Electrical Requirements.”
- **Depending on model, the Power button has not been pressed or the Fan Speed control is turned to Off.** Press POWER button or turn the FAN SPEED control to an active setting.
- **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.
- **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.”
- **An extension cord is being used.** Do not use an extension cord with this or any other appliance.
- **You are trying to restart the air conditioner too soon after turning the unit off.** Wait at least 3 minutes after turning the unit off before trying to restart the air conditioner.

Air conditioner power supply cord trips (Reset button pops out)

- **Disturbances in your electrical current can trip (Reset button will pop out) the power supply cord.** Press and release RESET (listen for click; Reset button will latch and on some devices, a green light will turn on) to resume operation.
- **An electrical overloading, overheating, pinching or aging can trip (Reset button will pop out) the power supply cord.** After correcting the problem, press and release RESET (listen for click; Reset button will latch and on some devices, a green light will turn on) to resume operation.

NOTE: A damaged power supply cord must be replaced with a new power supply cord obtained from the product manufacturer. A damaged power supply cord must not be repaired.

Air conditioner seems to run too much

- **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/hr.) 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. A higher capacity air conditioner may be required, depending on the size of the room being cooled.

Air conditioner cycles on and off too much or does not cool

- **The Mode is set to Power Saver (on some models).** Use Power Saver only when you are away from home or asleep, since the fan does not circulate the room air continuously. Use Low, High or Turbo for your best comfort.
- **The air conditioner is not properly sized for your room.** Check the cooling capabilities of your room air conditioner. Room air conditioners are not designed to cool multiple rooms.
- **The filter is dirty or obstructed by debris.** Clean the filter.
- **The inside evaporator and outside condenser coils are dirty or obstructed by debris.** See “Annual Maintenance.”
- **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.
- **The outside temperature is below 65°F (18°C).** Do not try to operate your air conditioner in the cooling mode when the outside temperature is below 65°F (18°C).
- **The temperature of the room you are trying to cool is extremely hot.** Allow extra time for the air conditioner to cool off a very hot room.
- **Windows or doors to the outside are open.** Close all windows and doors.
- **The Exhaust control is set to OPEN (on some models).** Push the Exhaust control CLOSED for maximum cooling.
- **Depending on model, the Temp/Time or Temperature control is not at a cool enough setting.** Adjust the TEMP/TIME control to a cooler setting by pressing the minus button to reduce the temperature or adjust the TEMPERATURE control to a cooler setting by turning the knob clockwise. Set the FAN SPEED control to highest setting (Turbo or High, depending on model).

Water drips from cabinet into your house

- **The air conditioner is not properly leveled.** The air conditioner should slope slightly downward toward the outside. Level the air conditioner to provide a downward slope toward the outside to ensure proper drainage. See the Installation Instructions.

NOTE: Do not drill a hole in the bottom of the metal base and condensate pan.



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