

# SHARP®

## ROOM AIR CONDITIONER INSTALLATION AND OPERATION MANUAL



This INSTALLATION AND OPERATION MANUAL explains the proper use of your new Sharp Air Conditioner. Read these instructions carefully before installing or operating your air conditioner. The INSTALLATION AND OPERATION MANUAL should be kept in a safe place for handy reference.

As an ENERGY STAR Partner, Sharp Electronics has determined that this product ( AF-Q100RX,AF-Q120RX) meets theENERGY STAR guidelines for energy efficient air conditioners. To meet these guidelines, air conditioners must be at least 10% more efficient than the minimum Federal standard.

AF-Q100RX



AF-Q120RX



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# FOR YOUR PROTECTION

To aid in answering questions if you call for service or for reporting loss or theft, please record below the model and serial number located on the right side of the unit.

<b>MODEL NUMBER</b>
<b>SERIAL NUMBER</b>
<b>DATE OF PURCHASE</b>
<b>Dealer Name</b>
<b>Address</b>
<b>City</b>
<b>State</b>
<b>Zip</b>
<b>Telephone</b>

**TO PHONE:** Dial 1-800-BE-SHARP (237-4277) for:  
SERVICE (for your nearest Sharp Authorized Servicer)  
PARTS (for your Authorized Parts Distributor)  
ACCESSORIES  
ADDITIONAL CUSTOMER INFORMATION

**TO WRITE:** For service problems, warranty information, missing items and other assistance:  
Sharp Electronics Corporation  
Customer Assistance Center  
1300 Naperville Drive  
Romeoville, IL 60446-1091

Please provide the following information when you write or call: model number, serial number, date of purchase, your complete mailing address (including zip code), your daytime telephone number (including area code) and description of the problem.

# CONSUMER LIMITED WARRANTY

## CONSUMER LIMITED WARRANTY

SHARP ELECTRONICS CORPORATION warrants to the first consumer purchaser that this Sharp brand product (the "Product"), when shipped in its original container, will be free from defective workmanship and materials, and agrees that it will, at its option, either repair the defect or replace the defective Product or part thereof with a new or remanufactured equivalent at no charge to the purchaser for parts or labor for the period(s) set forth below.

This warranty does not apply to any appearance items of the Product nor to the additional excluded item(s) set forth below nor to any Product the exterior of which has been damaged or defaced, which has been subjected to improper voltage or other misuse, abnormal service or handling, or which has been altered or modified in design or construction.

In order to enforce the rights under this limited warranty, the purchaser should follow the steps set forth below and provide proof of purchase to the servicer.

The limited warranty described herein is in addition to whatever implied warranties may be granted to purchasers by law. ALL IMPLIED WARRANTIES INCLUDING THE WARRANTIES OF MERCHANTABILITY AND FITNESS FOR USE ARE LIMITED TO THE PERIOD(S) FROM THE DATE OF PURCHASE SET FORTH BELOW. Some states do not allow limitations on how long an implied warranty lasts, so the above limitation may not apply to you.

Neither the sales personnel of the seller nor any other person is authorized to make any warranties other than those described herein, or to extend the duration of any warranties beyond the time period described herein on behalf of Sharp.

The warranties described herein shall be the sole and exclusive warranties granted by Sharp and shall be the sole and exclusive remedy available to the purchaser. Correction of defects, in the manner and for the period of time described herein, shall constitute complete fulfillment of all liabilities and responsibilities of Sharp to the purchaser with respect to the Product, and shall constitute full satisfaction of all claims, whether based on contract, negligence, strict liability or otherwise. In no event shall Sharp be liable, or in any way responsible, for any damages or defects in the Product which were caused by repairs or attempted repairs performed by anyone other than an authorized servicer. Nor shall Sharp be liable or in any way responsible for any incidental or consequential economic or property damage. Some states do not allow the exclusion of incidental or consequential damages, so the above exclusion may not apply to you.

THIS WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS. YOU MAY ALSO HAVE OTHER RIGHTS WHICH VARY FROM STATE TO STATE.

<b>Your Product Model Number &amp; Description:</b>	AF-Q100RX, AF-Q120RX Room Air Conditioner. Be sure to have this information available when you need service for your Product.
<b>Warranty Period for this Product:</b>	One (1) year parts and labor from date of purchase. The warranty period continues for a total of five (5) years from date of purchase for the Sealed Cooling System parts; labor and service are not provided free of charge for this additional period.
<b>Additional Item(s) Excluded From Warranty Coverage (if any):</b>	Appearance items of the Product, remote control, filter, or accessories, mounting kit, seals, or any printed materials, product which has been used for rental and or commercial purposes.
<b>Where to Obtain Service:</b>	From a Sharp Authorized Servicer located in the United States. To find the location of the nearest Sharp Authorized Servicer, call Sharp Toll Free at 1-800-BE-SHARP.
<b>What to Do to Obtain Service:</b>	Contact your Sharp Authorized Servicer to obtain in-home service for this Product. The Servicer will come to your home, and if it is necessary to remove the Product, the Servicer will reinstall it. Be sure to have Proof of Purchase available.

TO OBTAIN SUPPLY, ACCESSORY OR PRODUCT INFORMATION, GO TO OUR WEBSITE AT [www.sharppusa.com](http://www.sharppusa.com) OR CALL 1-800-BE-SHARP.

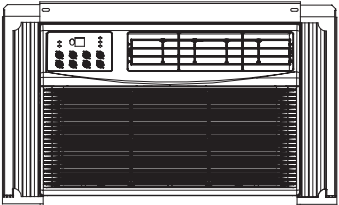
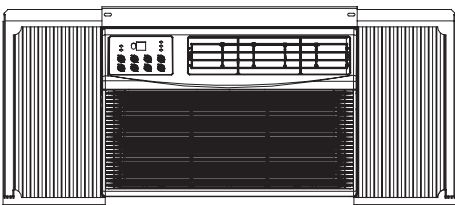
**SHARP**<sup>®</sup>  
**SHARP ELECTRONICS CORPORATION**  
Sharp Plaza, Mahwah, New Jersey 07495-1163

# INSTALLATION INSTRUCTIONS

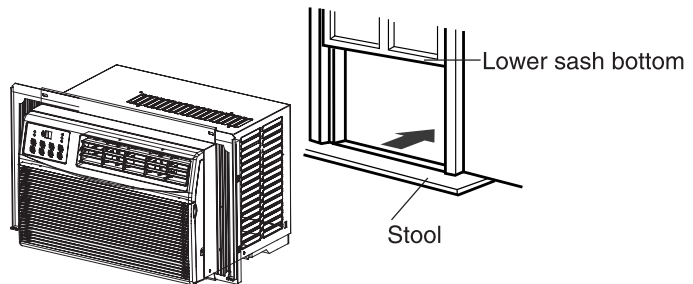
Before beginning installation, read these instructions carefully.  
Use the enclosed MOUNTING KIT for proper installation.

## CHECK WINDOW AREA

The mounting kit is designed for wooden sill double or single hung sash-type windows.

Mounting Kit fully closed	Mounting Kit fully opened
25 1/4" (641mm)	38 1/8" (968mm)
	

Window opening from stool to lower sash bottom must be 15 1/2" (394mm) or more.

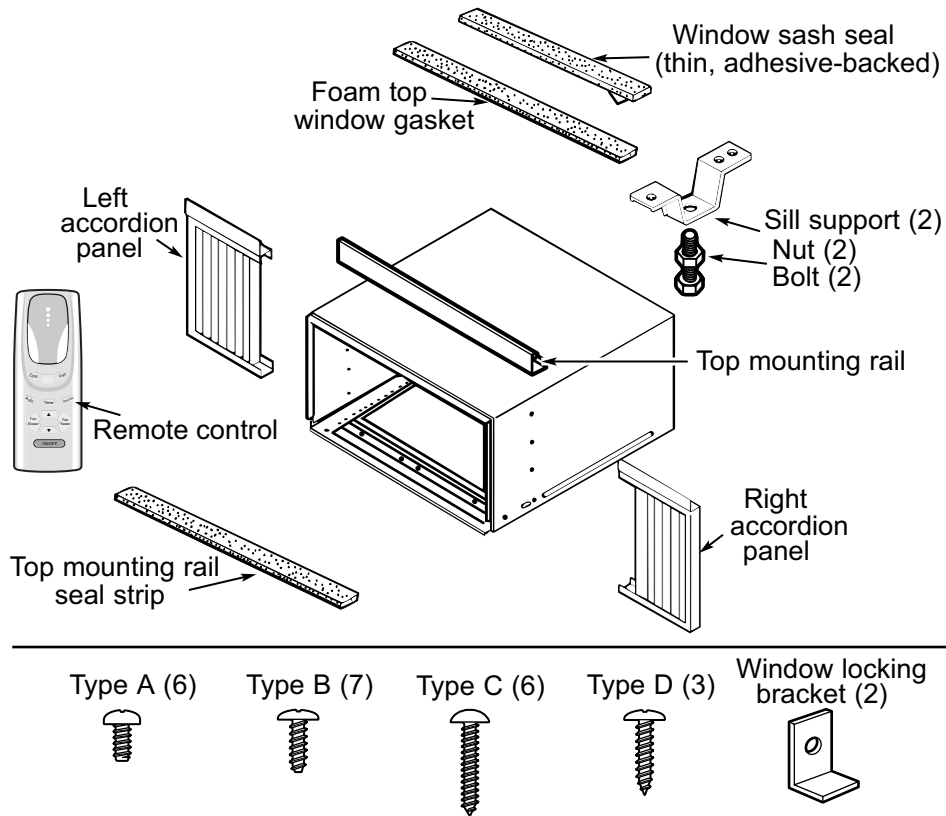


## LOCATION

- The air conditioner should be installed in a solid window to minimize noise and vibration. For safe installation, repairs, replacement and secure positioning, make sure the window is solid and level.
- The room air conditioner must be installed in an area within reach of a properly rated grounded outlet.
- Use of extension cords of any kind is not recommended.
- Never place any obstacles around the air inlet.

# INSTALLATION INSTRUCTIONS

## ACCESSORIES



## SUGGESTED TOOLS

1. Screw driver (medium size Phillips)
2. Tape measure or ruler
3. Knife or scissors

# INSTALLATION INSTRUCTIONS

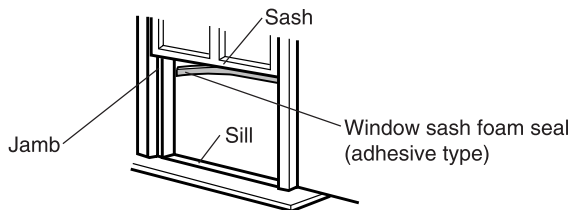
## INSTALLATION

### 1 WINDOW REQUIREMENTS

- These instructions are for a standard double-hung window. You will need to modify them for other types of windows.

**⚠ CAUTION:** If the sill support bolts do not contact the window sill, or if you have a window without a sill, you must order accessory kit RAK87 to properly install this air conditioner.

- All supporting parts must be secured to firm wood, masonry or metal.
- The electrical outlet must be within reach of the power cord.



### 2 STORM WINDOW REQUIREMENTS

A storm window frame will not allow the air conditioner to tilt toward the outside, and will keep it from draining properly. To adjust for this, attach a piece of wood to the sill.

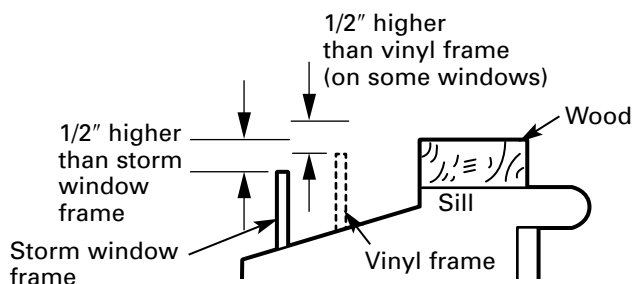
#### WOOD PIECES –

**WIDTH:** 2"

**LENGTH:** Long enough to fit inside the window frame.

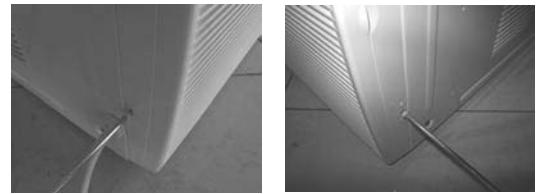
**THICKNESS:** To determine the thickness, place a piece of wood on the sill to make it 1/2" higher than the top of the storm window frame or the vinyl frame.

Attach securely with nails or screws provided by the installer.



### 3 REMOVE THE AIR CONDITIONER FROM THE CASE

- A** Remove and save the 2 screws from the lower sides of the front grille.



- B** Grasp the lower corners of the grille while pressing in on the case sides with your finger tips. Pull out to release and lift it up.  
**NOTE:** Do not pull the bottom edge toward you more than 3" or you may damage the tabs of the grille.



- C** Remove the ground screw from each side of the case. Keep them in a safe location.



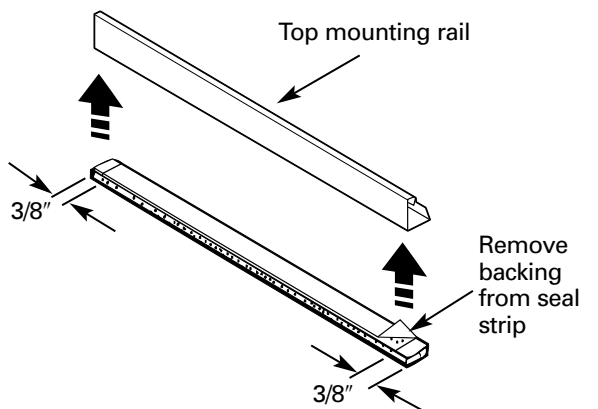
## INSTALLATION INSTRUCTIONS

- E** Slide the air conditioner from the case by gripping the base pan handle and pulling forward while bracing the case. Do not pull or lift on the styrofoam discharge area.

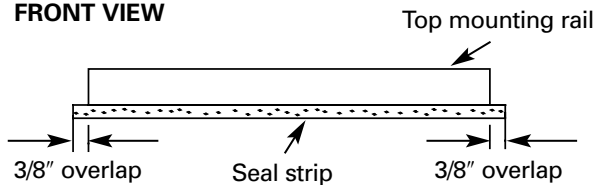


### 4 ATTACH THE TOP MOUNTING RAIL SEAL STRIP

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. Allow the seal strip to overlap  $3/8$ " on each end.

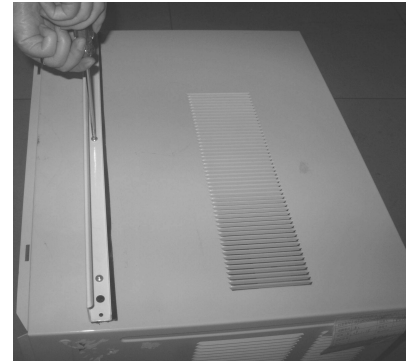


FRONT VIEW



### 5 INSTALL THE TOP MOUNTING RAIL ONTO THE CASE

Attach the top mounting rail onto the top of the case with 3 Type B screws.



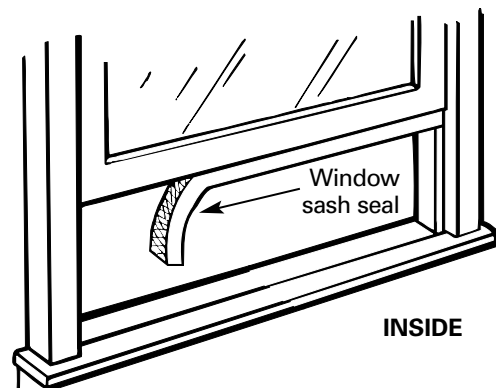
### 6 INSTALL THE SIDE ACCORDION PANELS

- A** Slide the left and right accordion panels into the top and bottom mounting rails.
- B** Attach the accordion panels to the case using 3 Type A screws on each side.



### 7 PREPARE THE WINDOW

- Cut the window sash seal to the window width and stick the adhesive side to the bottom of the sash.





## INSTALLATION INSTRUCTIONS

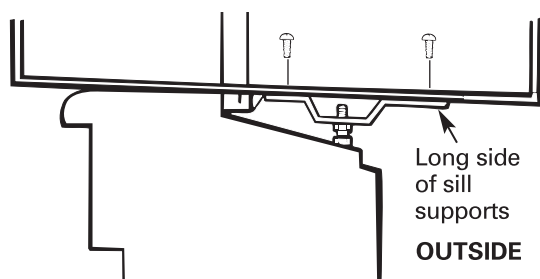
### 8 INSTALL THE CASE IN THE WINDOW

- A** Open the window and mark the centerline of the window sill.
- B** Carefully place the case on the window stool and align the center mark on the bottom front with the centerline of the sill.
- C** Pull the window down behind the top mounting rail.



**NOTE:** Do not shut the window so tightly that movement of the accordion panels is restricted.

- D** Select the position that will place the sill supports near the outermost point on the sill. Place the short side of the sill supports, on the case bottom, toward the window. Attach the sill supports to the case track hole in relation to the selected position using 2 Type B screws in each support.



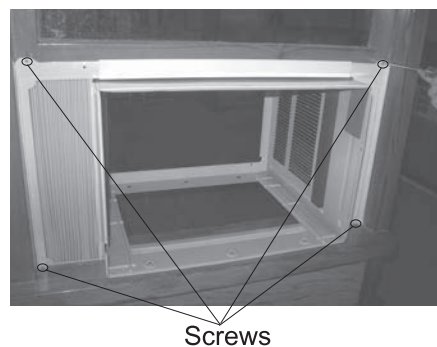
- E** Adjust the bolt and the nut in each support so that the case is installed with a slight tilt to the outside. Use a level; about 1/2 bubble will be the correct case slant to the outside.

**! CAUTION:** If the sill support bolts do not contact the window sill, or if you have a window without a sill, you must order accessory kit RAK87 to properly install this air conditioner.

- F** Secure the case to the window sill by using 3 Type D screws.



- G** Pull the accordion panels to each window sash track. Attach them on each side to the window sash and the window sill using 4 Type C screws.

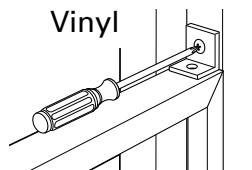


## INSTALLATION INSTRUCTIONS

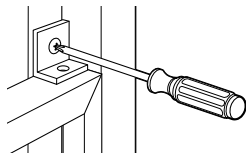
### 9 SECURE THE CASE IN WINDOW AND INSTALL FOAM TOP WINDOW GASKET

#### A **CAUTION:**

To prevent broken glass or damage to windows, on vinyl or other similarly constructed windows, attach the support bracket to the window side jam.

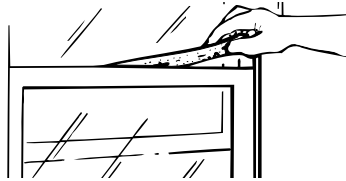


Attach the window locking brackets (one on each side) with Type C screws.



B Cut the foam top window gasket to the window width.

C Stuff the foam between the glass and the window to prevent air and insects from getting into the room.



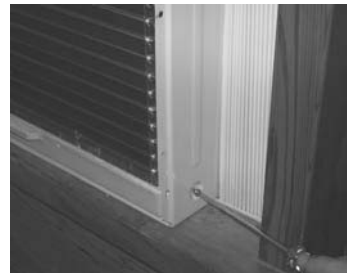
**NOTE:** If the gasket supplied does not fit your window, obtain appropriate material locally to provide a proper installation seal.

### 10 INSTALL THE AIR CONDITIONER IN THE CASE

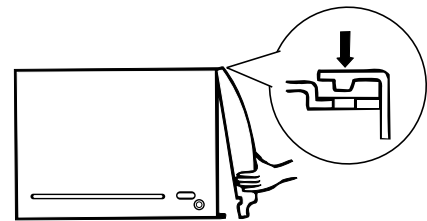
A Slide the air conditioner into the case by the base pan. Do not push on the controls, styrofoam air discharge housing or the finned coils. Make sure the air conditioner is firmly seated.



B Replace the 2 ground screws removed earlier, one on each side of the case. **IMPORTANT:** The ground screws must be reinstalled to ensure a proper ground.



C Attach the front grille to the case by inserting the tabs on the grille into the slots on the front top of the case. Push the grille in.



D Secure the front grille to the case by replacing the 2 screws removed earlier. Press on the top of the grille to help with side screw installation.



E Connect power.

# PRECAUTIONS

## CAUTION FOR USE

**IMPORTANT:** Points to keep in mind when using your air conditioner.

- **Install the air conditioner by following the installation instructions given in the previous section of this manual.**
- **Make sure the unit is the correct capacity for the area you want to cool.**
- **Do not modify any part of this product.**
- **Do not insert objects into any part of the unit.**
- **Push the AC power plug securely into the receptacle and make sure it is not loose.**
- **Use power circuit with a proper voltage rating.**  
Use a three-pronged grounded electrical outlet rated 125V, 60Hz, 15 amp or more, AC only as shown on right.  
Use of an improper voltage rating power circuit can result in damage to the unit and possibly fire.
- **Always use a fuse with the proper amp rating.**  
Do not, under any circumstances, use wire, pins or other objects in place of the proper fuse.
- **Use of extension cords of any kind is not recommended.**  
If you still elect to use an extension cord, it is absolutely necessary that it be a UL Listed 3-wire grounding type appliance extension cord rated 125 Volts, 15 amp or more.
- **Ventilate the room periodically during use, especially if using gas appliances.**



3-pronged Grounding Receptacle 15 Amps. 125V.

## GROUNDING INSTRUCTIONS

**WARNING: Improper use of the grounding plug can result in the risk of electric shock.**

This appliance must be grounded. In the event of an electrical short circuit, grounding reduces the risk of electric shock by providing an escape wire for the electric current.

This appliance is equipped with a cord having a grounding wire with a grounding plug.

The plug must be plugged into an outlet that is properly installed and grounded.

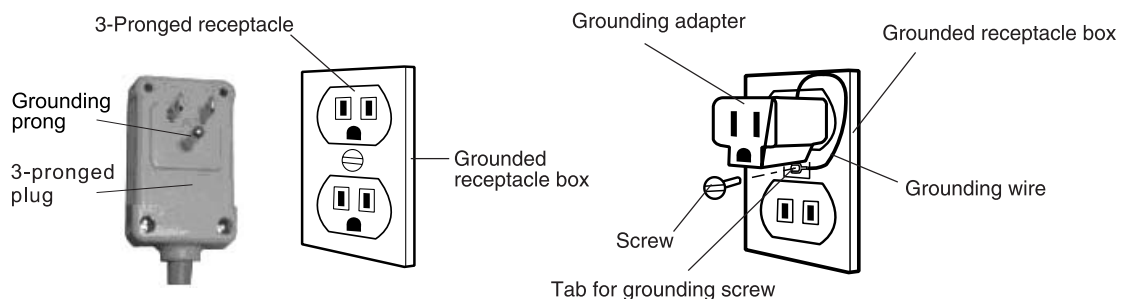
**WARNING: Do not under any circumstances cut or remove the round grounding prong from this plug.**

If it is necessary to use an extension cord, use only a UL Listed 3-wire extension cord that has a 3-blade grounding plug, and a 3-slot receptacle that will accept the plug on the appliance.

The marked rating of the extension cord should be AC 125 Volt, 15 Amp or more.

Consult a qualified electrician or serviceman if the grounding instructions are not completely understood, or if doubt exists as to whether the appliance is properly grounded.

If a grounding adapter is used, make sure the receptacle box is fully grounded.



### NOTES ON OPERATION

- **Allow 3 minutes for the compressor to restart cooling.**  
If you turn the air conditioner off and immediately restart it, allow three minutes for the compressor to restart cooling. There is an electronic device in the unit that keeps the compressor off for three minutes.
- **When power failure occurs**  
This air conditioner has a memory function to store settings when a power failure occurs. After power recovery, the unit will automatically re-start in the same settings which were active before the power failure.
- **Dehumidifying function**  
The air conditioner removes moisture from the air in your room.
- **Cooling operation under low temperatures: Is your unit freezing up?**  
The unit operates on inside and outside temperatures. Freezing can occur when the temperature is set close to 64°F and when there are low outside temperatures, especially during the night hours. At these conditions, a further temperature drop may cause the unit to freeze. Setting the unit to a higher temperature will prevent it from freezing.

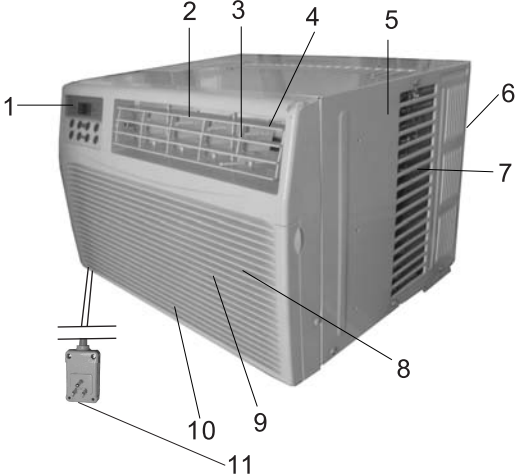
### ENERGY EFFICIENCY TIPS

- **Setting the proper temperature.**  
For optimum energy efficiency, keep the difference between the inside and outside temperature within 10°F(5°C). Do not keep the temperature setting any lower than is necessary for you to feel comfortable. Generally, 78°F to 80°F(26°C to 27°C) is a comfortable summer indoor temperature. When you turn the unit on, do not set the temperature higher than the room temperature at start up as this will not allow the compressor to cycle and maintain a comfortable room temperature.
- **Avoid direct sunlight.**  
Close blinds, drapes or shades to keep out direct sunlight during cooling operation.
- **Keep the filter clean.**  
Keeping the filter clean greatly aids efficient operation. A dirty filter blocks the flow of air, making your air conditioner work harder and less efficiently. See page 8 on how to clean the filter.
- **Turn off unnecessary lights.**  
Your air conditioner must remove the heat produced by your lights or other heat-producing appliances. Turn off lights or appliances that are not in use.
- **Install your air conditioner in a shady location.**  
Direct sunlight on a window air conditioner increases its workload and will increase its operating cost.
- **Don't let cool air escape.**  
Close windows and outside doors. Do not keep doors open and let hot air rush in. Improperly installed air conditioners and improperly weatherstripped doors and windows will let hot air in and the cool air out.
- **Turn off air conditioner when no one is home.**  
Use only when necessary. The fewer hours a room air conditioner is used, the lower the operating cost.

# HOW TO OPERATE

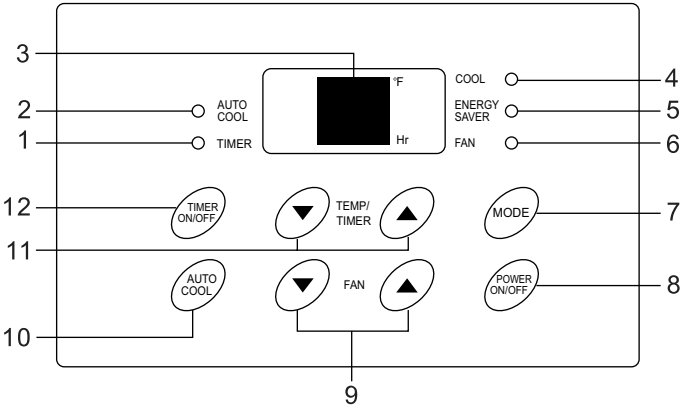
## PARTS NAMES

### UNIT



- 1. Control panel
- 2. Air outlet (Indoor Side)
- 3. Vertical louvers
- 4. Horizontal louvers
- 5. Cabinet
- 6. Air outlet (Outdoor Side)
- 7. Air inlet (Outdoor Side)
- 8. Air filter (Open the front panel to remove)
- 9. Front panel
- 10. Air inlet (Indoor side)
- 11. Power cord

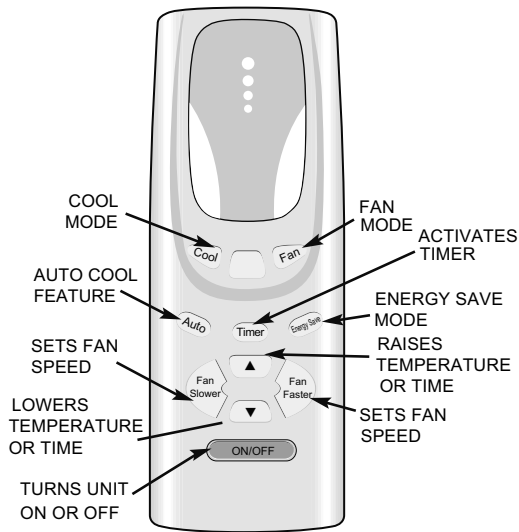
### CONTROL PANEL



- 1. TIMER Indicator
- 2. AUTO COOL indicator
- 3. Display
- 4. COOL MODE indicator
- 5. ENERGY Saver MODE indicator
- 6. FAN MODE indicator
- 7. MODE pad
- 8. POWER ON/OFF pad
- 9. FAN SPEED pad
- 10. AUTO COOL pad
- 11. TEMP/TIMER pad
- 12. TIMER ON/OFF pad

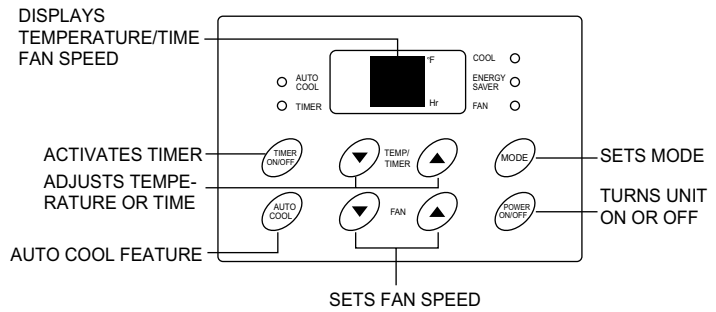
# HOW TO OPERATE

Before you begin, thoroughly familiarize yourself with the control panel and remote as shown below and all its functions, then follow the symbol for the functions you desire. **The unit can be controlled by the touch pad alone or with the remote.**



REMOTE CONTROL

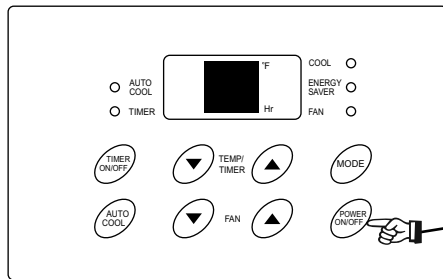
The display always shows the set temperature except when setting the Delay timer.



TOUCH PAD

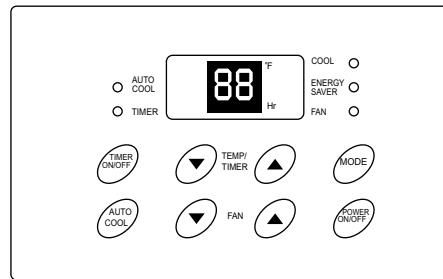
**NOTE:** The following instructions represent the Touch Pad, the same instructions can be used for the Remote Control.

## TO TURN UNIT ON:

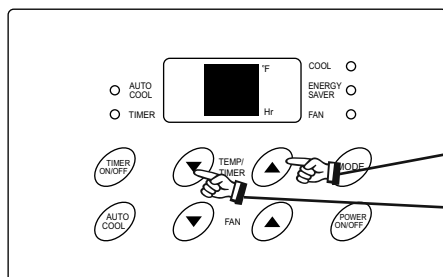


DO THIS:  
PRESS POWER ON/OFF PAD

## YOU WILL SEE:

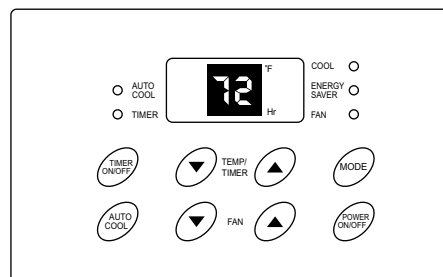


## TO CHANGE TEMPERATURE SETTING:



DO THIS:  
PRESS TO RAISE  
PRESS TO LOWER

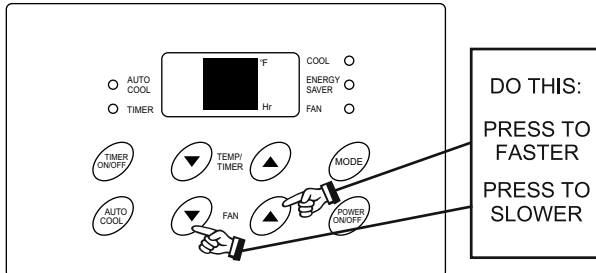
## YOU WILL SEE:



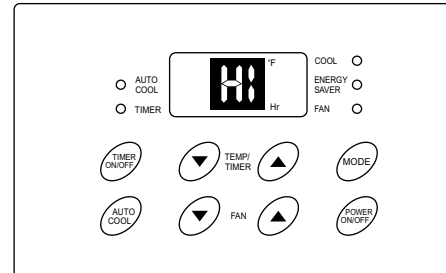
Note: Tap or hold either up (▲) or down (▼) button until the desired temperature is seen on the display. This temperature will be automatically maintained anywhere between 60°F (16°C) and 90°F (32°C). If you want the display to read the actual room temperature See "To Operate on Fan" section.

# HOW TO OPERATE

## TO ADJUST FAN SPEEDS:

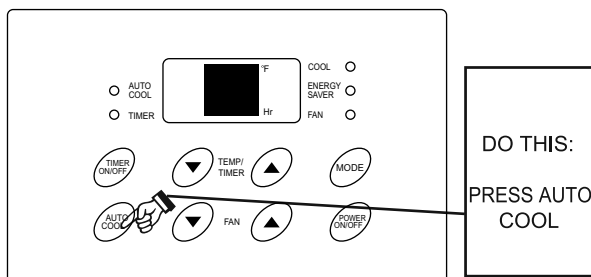


## YOU WILL SEE:

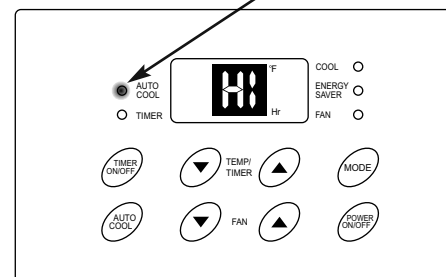


Press the Fan Faster button (▲) will increase the fan speed from Low (LO), to Medium (ME), to High (HI). The digital display will indicate your chosen speed. Press the Fan Slower button (▼) will decrease the fan speed from High (HI), to Medium (ME), to Low (LO). The digital display will indicate your chosen speed. After 5 seconds the display will revert back to the set temperature.

## TO USE AUTO COOL :

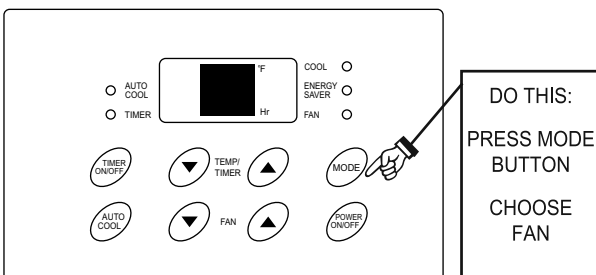


## YOU WILL SEE: LIGHT ON

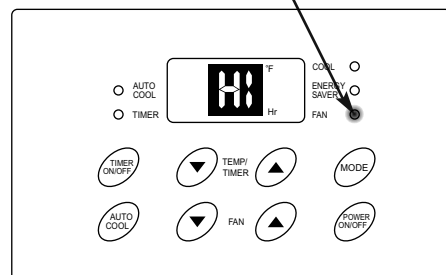


Note: Fan starts at High Speed and adjusts to a slower speed as the room temperature dictates. For example if the room doesn't get too warm, it will stay at the slowest speed. If the room temperature rises quickly, such as a door being opened, it will automatically go to the highest speed. The fan speeds will re-adjust back to the slowest speed as the room returns to the original set temperature. Press either the fan slower (▼) or fan faster button (▲) to adjust the fan speed manually.

## TO OPERATE ON FAN:



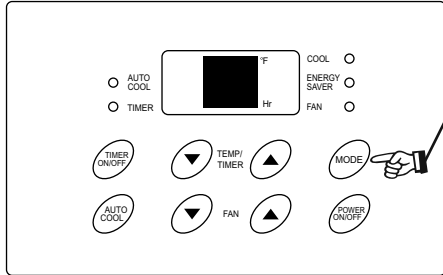
## YOU WILL SEE: LIGHT ON



Note: Use this function only when cooling is not desired, such as for room air circulation. You can choose any fan speed you prefer. During this function, the display will show the actual room temperature, not the set temperature as in the cooling mode.

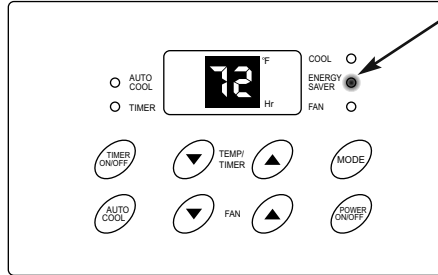
# HOW TO OPERATE

## TO USE THE ENERGY SAVE:



DO THIS:  
PRESS MODE  
BUTTON  
CHOOSE  
ENERGY  
SAVE

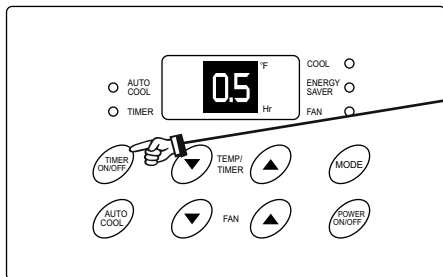
## YOU WILL SEE:



LIGHT ON

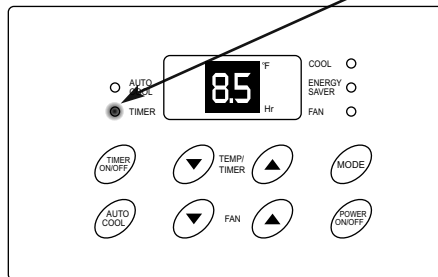
Note: In this mode, the fan will continue to run for 3 minutes after the compressor shuts off. The fan then cycles on for 2 minutes at 10 minute intervals until the room temperature is above the set temperature, at which time the compressor turns back on and cooling starts.

## TIMER:TIMER ON/OFF



DO THIS:  
PRESS TIMER  
ON/OFF

## YOU WILL SEE:



LIGHT ON

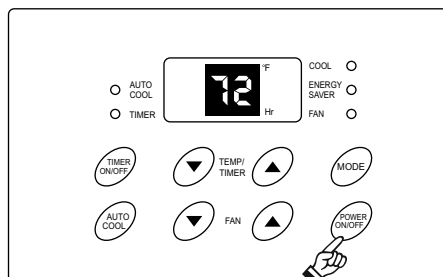
Note: For Timer Off, the unit must be in the On position.

Note: For Timer On, the unit must be in the Off position.

To adjust timer setting, tap or hold the UP arrow (▲) or the DOWN arrow (▼) to change delay timer at 0.5 hour increments, up to 10 hours, then at 1 hour increments up to 24 hours. The control will count down the time remaining until start (8, 7.5, 7, etc.). The Timer On mode automatically selects cooling with maximum Fan Speed. The temperature maintained will be the same as previously set. To change the set temperature, press "MODE" then Up or Down arrows until the desired temperature is indicated on the display. After 5 seconds, the control will automatically change the display back to the hours remaining until the unit will start/stop. Turning the unit "ON" or "OFF" at any time will cancel the Timer On/Off function.

The Timer On/Off Feature will work until the unit either starts or stops. Once that happens the above steps have to be repeated again.

## TO TURN UNIT OFF:



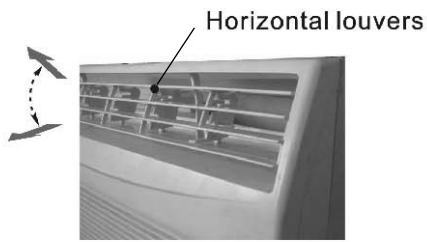
DO THIS:  
PRESS POWER  
ON/OFF



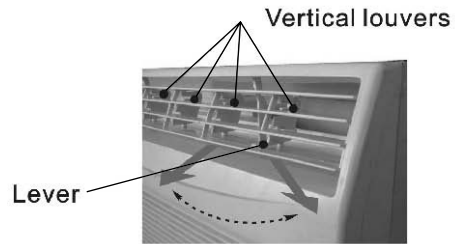
## HOW TO OPERATE

### TO CHANGE AIR FLOW DIRECTION

The horizontal louvers are used to adjust the UP/DOWN direction of air flow, and the vertical louvers are used to adjust the LEFT/RIGHT direction of air flow for uniform and efficient cooling of the room.



Adjust UP/DOWN air flow



Adjust LEFT/RIGHT air flow

Adjust the exhaust lever  
to the left to  
draw in fresh air  
from outside

### USING THE REMOTE CONTROL

#### INSTALLING BATTERIES

Use two size-AAA (R03) batteries.

- 1 Open the battery compartment cover.
- 2 Insert and slide the batteries into the compartment, making sure the  $\oplus$  and  $\ominus$  polarities are properly aligned.
- 3 Close the cover.



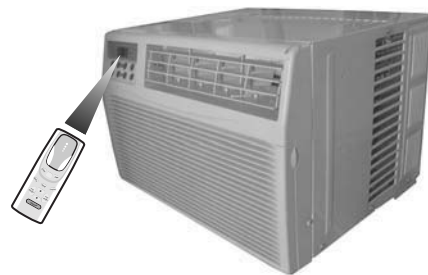
#### NOTES:

- The battery life is approximately one year with normal use.
- When you replace the batteries, always use two new ones of the same type.
- If the remote control does not operate normally after replacing the batteries, take out the batteries and replace them again after 30 seconds.
- If you will not be using the unit for a long time, remove the batteries from the remote control.

#### HOW TO USE THE REMOTE CONTROL

Point the remote control towards the unit's receiver window and press the desired button. A beep will sound when the unit receives the signal.

- Make sure no objects, such as curtains, block the receiver window.
- The remote control operates from up to 20 feet (6 meters) away.
- The beep will also sound when each pad on the control panel is touched.



#### CAUTION:

- Do not expose the receiver window to direct sunlight. This can adversely affect its operation. In such case, close the curtains to block the sunlight.
- Use of a fluorescent lamp in the same room may interfere with the transmission of the signal.
- The unit may be affected by signals emitted from the remote control of a television, VCR or other equipment used in the same room.
- Do not leave the remote control exposed to direct sunlight or near a heater. Protect the remote control from moisture and shock which can discolor or damage it.

# CLEANING AND MAINTENANCE

## CLEANING THE FILTER

If the filter is clogged with dust, the amount of air flow will be reduced, resulting in poor cooling performance. The filter should be cleaned every 10 days. At the beginning of every cooling season or after a long period of inactivity, clean the filter before starting the unit.

### 1 REMOVE THE FILTER

Open the front panel and get the filter out.

### 2 CLEAN THE FILTER

To remove dust from the filter, use a vacuum cleaner or wash it in clean water.

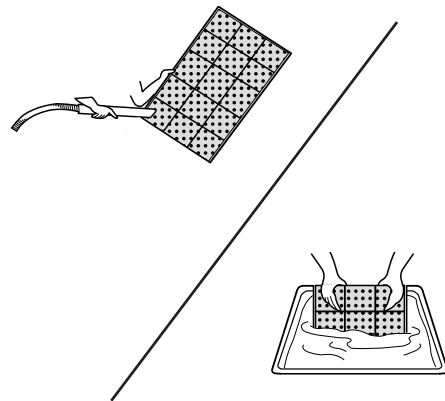
If the filter is very dirty, wash it with detergent and rinse carefully with clean water. Dry the filter with a soft cloth.

Do not expose the filter to heat or dry it in direct sunlight.

### 3 RE-INSTALL THE FILTER

Put the filter into its original position and close the front panel.

Never operate the unit without installing the filter. It may result in serious damage to the unit.



## CLEANING OF THE FRONT PANEL AND CABINET

To clean the front panel and cabinet, wipe with a soft, dry cloth or with a cloth moistened with a mild soap. Rinse carefully by wiping with a damp cloth and dry completely.

Avoid splashing the unit with water. Excess water can damage electrical insulation and result in danger.

Never use harsh chemicals or abrasive cleaners on any part of the unit. To avoid damage to the unit, do not use hot water (120 °F / 50 °C or more) when cleaning.

## OILING OF THE COMPRESSOR AND FAN MOTOR IS UNNECESSARY

The compressor is permanently lubricated and is hermetically sealed. The fan motor is lifetime sealed and does not require oiling.

## REMOVING THE AIR CONDITIONER

Before removing the air conditioner, operate the unit in the FAN mode with high fan speed on a dry day, for about half a day to thoroughly dry the water inside the air conditioner unit.

## PRECAUTIONS

**IF YOUR AIR CONDITIONER DOES NOT OPERATE PROPERLY, PLEASE CHECK THE FOLLOWING ITEMS BEFORE CALLING FOR SERVICE.**

### POWER PLUG CHECK

This air conditioner uses a fused power plug.  
Always check the power plug before use.

- 1 Press the RESET button.
- 2 Insert the power plug into the wall socket.
- 3 Press the TEST button.

You will hear a CLICK if the circuit breaker is functioning correctly.

- 4 Press the RESET button until you hear another CLICK.

The circuit breaker is activated, power is supplied, and the air conditioner is now ready for use.

RESET  
TEST



Do not attempt to use the air conditioner if the above procedure is impossible, as it is malfunctioning.  
Disconnect the power plug and request a service.

### AIR CONDITIONER DOES NOT OPERATE AT ALL

- Is the unit plugged in or is the plug loose?
- Is the fuse blown or the circuit breaker tripped?
- Did you restart the unit within 3 minutes after a power failure? If the power was off for less than 3 minutes, and you restarted the air conditioner within 3 minutes, a protective device may cause the compressor to shut off, preventing cooling for about 5 minutes.

### AIR CONDITIONER DOES NOT PROPERLY COOL

- Is the MODE set to fan only Mode?  
Cooling will not take place in the fan only mode. Change the MODE setting.
- Is the filter clogged with dust?  
A dirty filter can cause the cooling coils to freeze. If this happens, clean the filter and replace. Run the air conditioner on the MED FAN setting until all ice dissipates.
- Is the temperature set properly?  
If your room is too warm, adjust the temperature setting lower.
- Is the window exposed to direct sunlight?  
Close curtains or blinds to minimize solar energy heating the room.
- Are the windows or doors open?  
Close all windows and doors for maximum cooling.

## BEFORE CALLING FOR SERVICE

### NOTE: WATER IN BOTTOM OF TRAY

- Water will collect in the bottom tray of the unit. This is normal. Water condenses on the evaporator coil at the front of the unit and is channeled to the rear where it is picked up by the condenser fan. The water is blown onto the condenser coil fins and this creates a "splashing" noise which is normal. If excess water builds up in this tray it will drain outside through a grooved channel in the tray.

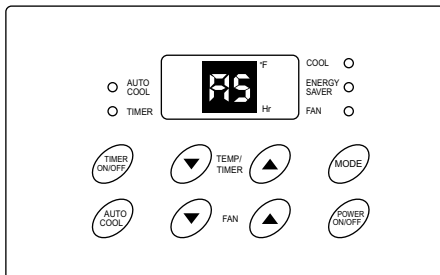
### SOUNDS

- The operating sound may seem rather loud for 2 to 3 minutes when the unit is first turned on. This is the sound of the compressor's start-up and is normal.
- A soft, swishing noise can be heard immediately after the unit is turned on or off, and also during operation. This is the sound of the refrigerant flowing inside the unit.

### IF THE UNIT FAILS TO RECEIVE THE REMOTE CONTROL SIGNAL

- Check the remote control batteries. Replace if necessary.
- Try to send the signal again with the remote control pointed directly at the unit's receiver window.
- Check whether the remote control batteries are installed with the polarities properly aligned.

### FAULT CODES:



If the display reads "AS", a sensor has failed. Contact your Authorized SHARP Service Center.





# **SHARP**

**SHARP ELECTRONICS CORPORATION**

**Sharp Plaza, Mahwah, New Jersey 07495-1163**

**SHARP CORPORATION**

**Osaka, Japan**

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