element®

WINDOW TYPE ROOM AIR CONDITIONER

Owner's Manual

EN

ESC10BE

IMPORTANT NOTE:

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

SC Series

North America Products

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Safety Precautions

Must read the warning message.

Inside you will find many helpful hints on how to use and maintain your air conditioner properly. Just a little preventive care on your part can save you a great deal of time and money over the life of your air conditioner. You'll find many answers to common problems in the chart of troubleshooting tips. If you review our chart of Troubleshooting Tips first, you may not need to call for service at all.

To prevent injury to the user or other people and property damage, the following instructions must be followed. Incorrect operation due to ignoring of instructions may cause harm or damage. The seriousness is classified by the following indications.

Explanation of Symbols



Warning
This signal word indicates a hazard with a medium level of risk which, if not avoided, may result in death or serious injury.



Caution
This signal word indicates a hazard with a low degree of risk which, if not avoided, may result in minor or moderate injury.



Never do this
This signal indicates the prompt operation is prohibited, if not avoided, may result in Product damaged or injury.



Always do this
This signal means that the operation can be performed.

⚠ WARNING

- Plug in power plug properly. Otherwise, it may cause electric shock or fire due to excess heat generation. Do not operate or stop the unit by inserting or pulling out the power plug.It may cause electric shock or fire due to heat generation. Do not damage or use an unspecified power cord.It may cause electric shock or fire. If the power cord is damaged, it must be replaced by the manufacturer or an authorized service centre or a similarly qualified person in order to avoid a hazard.
- Always install a circuit breaker and a dedicated power circuit. Incorrect installation may cause fire and electric shock. Do not operate with wet hands or in damp environment. It may cause electric shock . Do not direct airflow at room occupants only. This could damage your health.
- Always ensure effective grounding.Incorrect grounding may cause electric shock. Do not allow water to run into electric parts.It may cause failure of machine of electric shock. Do not modify power cord length or share the outlet with other appliances. It may cause electric shock or fire due to heat generation.
- Unplug the unit if strange sounds, smell, or smoke comes from it. It may cause fire and electric shock. Do not use the socket if it is loose or damaged. It may cause fire and electric shock. Do not open the unit during operation. It may cause electric shock.
- Keep firearms away. It may cause fire. Do not use the power cord close to heating appliances.It may cause fire and electric shock. Do not use the power cord near flammable gas or combustibles, such as gasoline, benzene, thinner, etc. It may cause an explosion or fire.
- Ventilate room before operating air conditioner if there is a gas leakage from another appliance. It may cause explosion, fire and, burns. Do not disassemble or modify unit. It may cause failure and electric shock.

⚠ CAUTION

- When the air filter is to be removed, do not touch the metal parts of the unit. It may cause an injury.
  Ventilate the room well when used together with a stove, etc. An oxygen shortage may occur.
- Do not use strong detergent such as wax or thinner but use a soft cloth. Appearance may be deteriorated due to change of product color or scratching of its surface. Do not clean the air conditioner with water. Water may enter the unit and degrade the insulation. It may cause an electric shock. Do not use for special purposes. Do not use this air conditioner to preserve precision devices, food, pets, plants, and art objects.It may cause deterioration of quality, etc.
- Stop operation and close the window in storm or hurricane. Operation with windows opened may cause wetting of indoor and soaking of household furniture. When the unit is to be cleaned, switch the AC off and turn the circuit breaker off.
- Do not clean unit when power is on as it may cause fire and electric shock, it may cause an injury.
- Always insert the filters securely. It can cause failure if operated without filters. Please clean filter once every two weeks.

⚠ CAUTION

- Hold the plug by the head of the power plug when taking it out. It may cause electric shock and damage. Turn off the main power switch when not using the unit for a long time. It may cause failure of product or fire.
- Do not place obstacles around air-inlets or inside of air-outlet. It may cause failure of appliance or accident. Do not place heavy object on the power cord and ensure that the cord is not compressed. There is danger of fire or electric shock. Don't drink water drained from air conditioner. It contains contaminants and could make you sick.
- Use caution when unpacking and installing. Sharp edges could cause injury.
- If water enters the unit, turn the unit off at the power outlet and switch off the circuit breaker. Isolate supply by taking the power-plug out and contact a qualified service technician.
- 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 super vision or instruction concerning use of the appliance by a person responsible for their safety.
- Children should be supervised to ensure that they do not play with the appliance.
- If the supply cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard.
- The appliance shall be installed in accordance with national wiring regulations.
- Installation must be performed in accordance with the requirement of NEC and CEC by authorized personnel only.
- Do not operate your air conditioner in a wet room such as a bathroom or laundry room.
- The appliance with electric heater shall have at least 3 feet space to the combustible materials.
- Contact the authorized service technician for repair or maintenance of this unit.
- Contact the authorized installer for installation of this unit.

NOTE

This air conditioner is designed to be operated under the following conditions:

Cooling operation	**Outdoor temp:**	**18-43°C/64-109°F（18-52°C/64-125°F for special tropical models）**
	Indoor temp:	**17-32°C/62-90°F**
Heating operation	**Outdoor temp:**	**-5-24°C/23-76°F**
	Indoor temp:	**0-27°C/32-80°F**

Note: Performance may be reduced outside of these operating temperatures.

Operation of Current Device

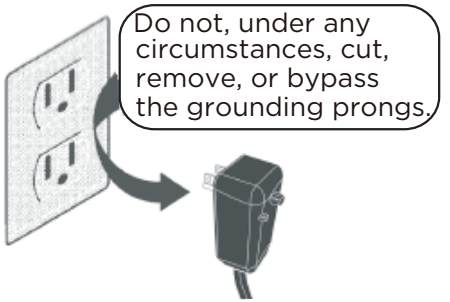
The power supply cord contains a current device that senses damage to the power cord. To test your power supply cord do the following:

- Plug in the Air Conditioner.
- The power supply cord will have TWO buttons on the plug head. Press the TEST button, you will notice a click as the RESET button pops out.
- Press the RESET button again, you will notice a click as the button engages.
- The power supply cord is now supplying electricity to the unit. (On some products this is also indicated by a light on the plug head).

NOTE

- The power supply cord with this air conditioner contains a current detection device designed to reduce the risk of fire.
- In the event that the power cord is damaged, it cannot be repaired – it must be replaced with a cord from the product manufacturer.
- Do not use this device to turn the unit on or off
- Always make sure the RESET button is pushed in for correct operation.
- The power supply cord must be replaced if it fails to reset when either the TEST button is pushed or if it cannot be reset.

Grounding type wall receptacle



Power supply cord with 3-prong grounding plug and current detection device.

⚠ WARNING

Electrical Information

The complete electical rating of your new room air conditioner is stated on the serial plate. Refer to the rating when checking the electrical requirements.

- 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 the air conditioner without side protective cover in place.This could result in mechanical damage within the air conditioner.
- Do not use an extension cord or an adapter plug.

Avoid fire hazard or electric shock. Do not use an extension cord or an adapter plug. Do not remove any prongs from the power cord.

For Your Safety

Do not store or use gasoline or other flammable vapors and liquids in the vicinity of this or any other appliance.

Prevent Accidents

To reduce the risk of fire, electrical shock, or injury to persons when using your air conditioner, follow basic precautions, including the following:

- Be sure the electrical service is adequate for the model you have chosen. This information can be found on the serial plate, which is located on the side of the the cabinet and behind the grille.
- If the air conditioner is to be installed in a window, you will probably want to clean both sides of the glass first. If the window is a triple-trackty pew it has screen panel included, remove the screen completely before installation.
- Be sure the air conditioner has been securely and correctly installed according to the installation instructions in this manual. Save this manual for possible future use in removing or installing this unit. When handling the air conditioner, be careful to avoid cuts from sharp metal fins on front and rear coils.

⚠ WARNING

Electrical Requirements

Electrical Shock and Personal Injury Hazard
Electrical ground is required on this appliance.
DO NOT ground to a gas line.
If cold water pipe is interrupted by plastic,non-metallic gaskets, or other insulatingmaterials,
DO NOT use for grounding.
Check with a qualified electrician if you arein doubt as to whether the appliance is properly grounded.
DO NOT modify power supply cord plug. If it does not fit outlet, have a proper outletinstalled by a qualified electrician.
DO NOT have a fuse in the neutral or grounding circuit.A fuse in the neutral, or grounding circuit could result in an electrical shock.
DO NOT use an extension cord with this appliance.
Failure to follow these instructions couldresultin electrical shock, serious injury, or death.

Observe all local governing codes and ordinances.
Do not, under any circumstances, remove the power supply cord grounding prong.
NOTE: If codes permit, and a separate grounding wire is used; it is recommended that a qualified electrican determine that the grounding path is adequate and not interrupted by plastic, nonmetallic gaskets, or other insulating materials.

Receptacle wiring

Receptacle wiring should be a minimum of 14 gauge. Use copper wire only. It is your responsibility to provide proper and adequate receptacle wiring, installed by a qualified electrician.

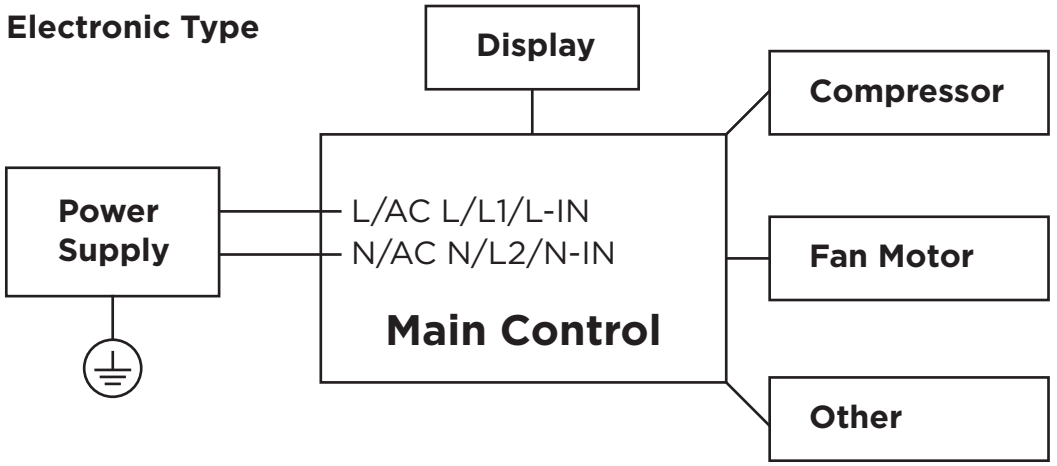
Electrical requirements

A time delay fuse or time delay circuit breaker is also required. A separate circuit, serving only this appliance, MUST be provided.

Electronic Work

WARNING:
BEFORE PERFORMING ANY ELECTRICAL OR WIRING WORK, TURN OFF THE MAIN POWER TO THE SYSTEM.

Electronic Type



NOTE: Please strictly follow the wiring label attached to the machine for all wiring connections. The wiring diagram may vary for di˛erent unit. Please refer to the wiring diagram on the machine you have purchased. The above wiring diagram is a simplified version for preliminary illustration purposes only.



CAUTION:
Risk of fire
flammable materials

IMPORTANT NOTE: Read this manual carefully before installing or operating your new air conditioning unit. Make sure to save this manual for future reference.

Explanation of symbols displayed on the unit

	**CAUTION**	This symbol shows that the operation manual should be read carefully.
	**CAUTION**	This symbol shows that a service personnel should be handling this equipment with reference to the installation manual.
	**CAUTION**	This symbol shows that information is available such as the operating manual or installation manual.

WARNING:

- Servicing shall only be performed as recommended by the equipment manufacturer. Maintenance and repair requiring the assistance of other skilled personnel shall be carried out under the supervision of a person competent in the use of flammable refrigerants.
- DO NOT modify the length of the power cord or use an extension cord to power the unit.
- DO NOT share a single outlet with other electrical appliances. Improper power supply can cause fire or electrical shock.
- Please follow the instruction carefully to handle, install, clear, service the air conditioner to avoid any damage or hazard. Flammable Refrigerant R32 is used within the air conditioner.
- When maintaining or disposing the air conditioner, the refrigerant (R32) shall be recovered properly. Do not discharge to the air directly.
- Compliance with national gas regulations shall be observed.
- Keep ventilation openings clear of obstruction.
- The appliance shall be stored so as to prevent mechanical damage from occurring.
- The appliance shall be stored in a well-ventilated area where the room size corresponds to the room area as specified for operation.

- Any person who is involved with working on or breaking into a refrigerant circuit should hold a current valid certi˜cate from an industry-accredited assessment authority, which authorizes their competence to handle refrigerants safely in accordance with an industry recognized assessment specification. All training shall follow the ANNEX HH requirements of UL 60335-2-40 4th Edition.

Examples for such working procedures are:
• breaking into the refrigerating circuit;
• opening of sealed components;
• opening of ventilated enclosures.

- No open fire or device-like switch which may generate spark/ arcing shall be around the air conditioner to avoid causing ignition of the flammable refrigerant used. Please follow the instructions carefully to store or maintain the air conditioner to prevent mechanical damage from occurring.
- 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) and ignition sources or (for example: an operating electric heater) close to the appliance.
- Do not pierce or burn.
- Be aware that the refrigerants may not contain an odor.

1.Transport of equipment containing flammable refrigerants

See transport regulations.

2.Marking of equipment using signs

See local regulations.

3.Disposal of equipment using flammable refrigerants

See national regulations.

4.Storage of equipment/appliances

The storage of the appliance should be in accordance with the applicable regulations or instructions, whichever is more stringent.

5.Storage of packed (unsold) equipment

Storage package protection should be constructed such that mechanical damage to the equipment inside the package will not cause a leak of the refrigerant charge. The maximum number of pieces of equipment permitted to be stored together will be determined by local regulations.

6.Information on servicing

1)Checks to the area

Prior to beginning work on systems containing flammable refrigerants, safety checks are necessary to ensure that the risk of ignition is minimized. For repair to the refrigerating system, the following precautions shall be complied with prior to conducting work on the system.

2)Work procedure

Work shall be undertaken under a controlled procedure so as to minimize the risk of a flammable gas or vapor being present while the work is being performed.

3)General work area

All maintenance staff and others working in the local area shall be instructed on the nature of work being carried out.

Work in confined spaces shall be avoided. The area around the workspace shall be sectioned off. Ensure that the conditions within the area have been made safe by control of flammable material.

4)Checking for presence of refrigerant

The area shall be checked with an appropriate refrigerating detector prior to and during work to ensure the technician is aware of potentially flammable atmospheres. Ensure that the leak detection equipment being used is suitable for use with flammable refrigerants, i.e. non-sparking, adequately sealed or intrinsically safe.

5)Presence of fire extinguisher

If any hot work is to be conducted on the refrigeration equipment or any associated parts, appropriate fire extinguishing equipment shall be available. Have a dry powder or CO2 fire extinguisher adjacent to the charging area.

6)No ignition sources

No person carrying out work in relation to a refrigerating system which involves exposing any pipe work that contains or has contained flammable refrigerant shall use any sources of ignition in such a manner that it may lead to the risk of fire or explosion. All possible ignition sources, including cigarette smoking, should be kept far away from the site of installation, repairing, removing, and disposal, during which flammable refrigerant can possibly be released to the surrounding space.

Prior to work taking place, the area around the equipment is to be surveyed to make sure that there are no flammable hazards or ignition risks. No Smoking signs shall be displayed.

7)Ventilated area

Ensure that the area is in the open or that it is adequately ventilated before breaking into the system or conducting any hot work. A degree of ventilation shall continue during the period that the work is carried out. The ventilation should safely disperse any released refrigerant and preferably expel it externally into the atmosphere.

8)Checks to the refrigerating equipment

Where electrical components are being changed, they shall be fit for the purpose and to the correct specification. At all times the manufacturer's maintenance and service guidelines shall be followed. If in doubt consult the manufacturer's technical department for assistance. The following checks shall be applied to installations using flammable refrigerants:

-The actual refrigerant charge is in accordance with the room size where the refrigerant containing parts are installed;

-The ventilation machinery and outlets are operating adequately and are not obstructed;

-If an indirect refrigerating circuit is being used, the secondary circuit shall be checked for the presence of refrigerant;

-Marking to the equipment continues to be visible and legible. Markings and signs that are illegible shall be corrected;

-Refrigerating pipe or components are installed in a position where they are unlikely to be exposed to any substance which may corrode refrigerant containing components, unless the components are constructed of materials which are inherently resistant to being corroded or are suitably protected against being so corroded.

9)Checks to electrical devices

Repair and maintenance to electrical components shall include initial safety checks and component inspection procedures.

If a fault exists that could compromise safety, then no electrical supply shall be connected to the circuit until it is satisfactorily dealt with. If the fault cannot be corrected immediately but it is necessary to continue operation, an adequate temporary solution shall be used. This shall be reported to the owner of the equipment so all parties are advised. Initial safety checks shall include:

-That capacitors are discharged: this shall be done in a safe manner to avoid possibility of sparking;

-That there no live electrical components and wiring are exposed while charging, recovering or purging the system;

That there is continuity of earth bonding.

7.Sealed electrical components shall be replaced

8.Intrinsically safe components must be replaced

9.Cabling

Check that cabling will not be subject to wear, corrosion, excessive pressure, vibration, sharp edges or any other adverse environmental effects. The check shall also take into account the effects of aging or continual vibration from sources such as compressors or fans.

10.Detection of flammable refrigerants

Under no circumstances shall potential sources of ignition be used in the searching for or detection of refrigerant leaks. A halide torch (or any other detector using a naked flame) shall not be used. The following leak detection methods are deemed acceptable for systems containing flammable refrigerants.

Electronic leak detectors shall be used to detect flammable refrigerants, but the sensitivity may not be adequate, or may need re-calibration. (Detection equipment shall be calibrated in a refrigerant-free area).

Ensure that the detector is not a potential source of ignition and is suitable for the refrigerant used. Leak detection equipment shall be set at a percentage of the LFL of the refrigerant and shall be calibrated to the refrigerant employed and the appropriate percentage of gas (25 % maximum) is confirmed.

Leak detection fluids are suitable for use with most refrigerants but the use of detergents containing chlorine shall be avoided as the chlorine may react with the refrigerant and corrode the copper pipe work.If a leak is suspected, all naked flames shall be removed/extinguished. If a leakage of refrigerant is found which requires brazing, all of the refrigerant shall be recovered from the system, or isolated (by means of shut off valves) in a part of the system remote from the leak. Removal of refrigerant shall be according to Removal and Evacuation.

11.Removal and evacuation

When breaking into the refrigerant circuit to make repairs – or for any other purpose–conventional procedures shall be used. However, for flammable refrigerants it is important that best practices be followed, since flammability is a consideration. The following procedure shall be adhered to:

a) Safely remove refrigerant following local and national regulations.

b) Evacuate.

c) Purge the circuit with inert gas. (optional for A2L)
d) Evacuate. (optional for A2L)
e) Continuously flush or purge with inert gas when using flame to open circuit.
f) Open the circuit.
The refrigerant charge shall be recovered into the correct recovery cylinders if venting is not allowed by local and national codes. For appliances containing flammable refrigerants, the system shall be purged with oxygen-free nitrogen to render the appliance safe for flammable refrigerants. This process might need to be repeated several times.
Compressed air or oxygen shall not be used for purging refrigerant systems. For appliances containing flammable refrigerants, refrigerant purging shall be achieved by breaking the vacuum in the system with oxygen-free nitrogen and continuing to fill until the working pressure is achieved, then venting to atmosphere, and finally pulling down to a vacuum (optional for A2L). This process shall be repeated until no refrigerant is within the system (optional for A2L). When the final oxygen-free nitrogen charge is used, the system shall be vented down to atmospheric pressure to enable work to take place. Ensure that the outlet for the vacuum pump is not close to any potential ignition sources and that ventilation is available.

12.Charging procedures

In addition to conventional charging procedures, the following requirements shall be followed.
• Ensure that contamination of different refrigerants does not occur when using charging equipment
• Hoses or lines shall be as short as possible to minimize the amount of refrigerant contained in them
• Cylinders shall be kept in an appropriate position according to the instructions.
• Ensure that the refrigeration system is earthed prior to charging the system with refrigerant.
• Label the system when charging is complete (if not already).
• Extreme care shall be taken not to overfill the refrigeration system.
• Prior to recharging the system it shall be pressure tested with nitrogen.
• The system shall be leak tested on completion of charging but prior to commissioning.
• A follow up leak test shall be carried out prior to leaving the site.

13.Decommissioning

Before carrying out this procedure, it is essential that the technician is completely familiar with the equipment and all its detail. It is recommended good practice that all refrigerants are recovered safely. Prior to the task being carried out, an oil and refrigerant sample shall be taken in case analysis is required prior to re-use of reclaimed refrigerant. It is essential that electrical power is available before the task is commenced.
• Become familiar with the equipment and its operation.
• Isolate the system electrically.
• Before attempting the procedure ensure that:
-Mechanical handling equipment is available, if required, for handling refrigerant cylinders.
-All personal protective equipment is available and being used correctly.
-The recovery process is supervised at all times by a competent person.
-Recovery equipment and cylinders conform to the appropriate standards.

- Pump down the refrigerant system, if possible.
- If a vacuum is not possible, make a manifold so that refrigerant can be removed from various parts of the system.
- Make sure that cylinder is situated on the scales before recovery takes place.
- Start the recovery machine and operate in accordance with instructions.
- Do not overfill cylinders. (No more than 80 % volume liquid charge).
- Do not exceed the maximum working pressure of the cylinder, even temporarily.
- When the cylinders have been filled correctly and the process completed, make sure that the cylinders and the equipment are removed from site promptly and all isolation valves on the equipment are closed off.
- Recovered refrigerant shall not be charged into another refrigeration system unless it has been cleaned and checked.

14.Labeling

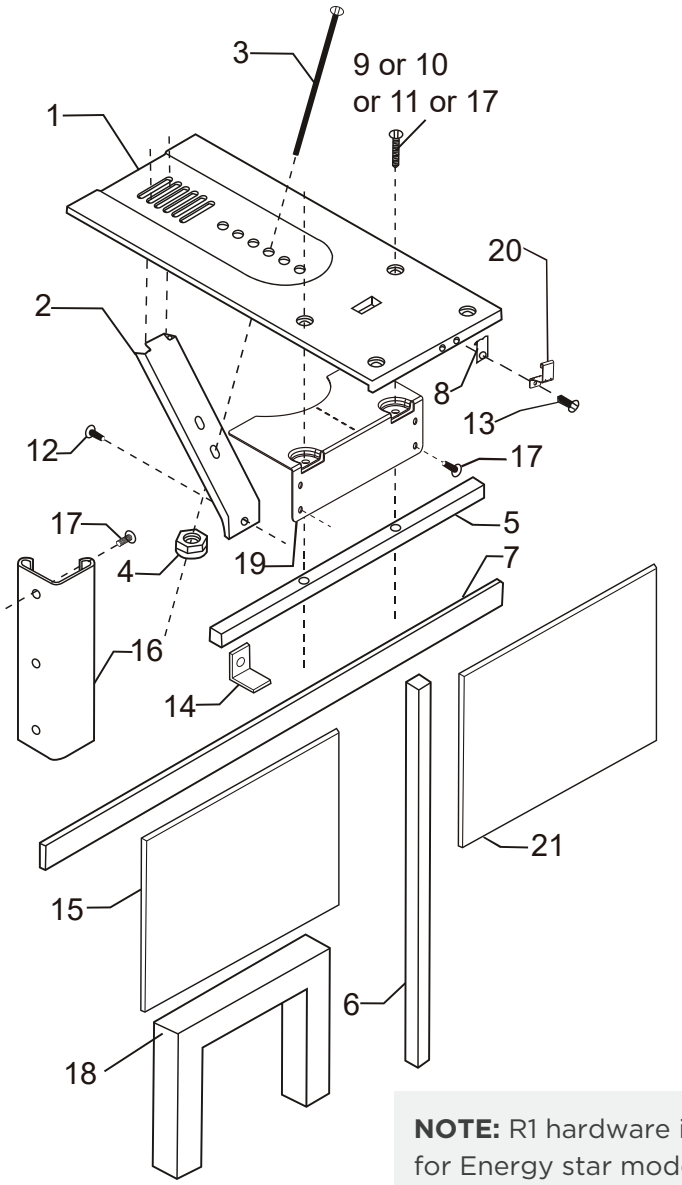
Equipment shall be labeled stating that it has been de-commissioned and emptied of refrigerant. The label shall be dated and signed.

Ensure that there are labels on the equipment stating the equipment contains flammable refrigerant.

15.Recovery

- When removing refrigerant from a system, either for servicing or decommissioning, it is recommended good practice that all refrigerants are removed safely. When transferring refrigerant into cylinders, ensure that only appropriate refrigerant recovery cylinders are employed. Ensure that the correct number of cylinders for holding the total system charge is available. All cylinders to be used are designated for the recovered refrigerant and labeled for that refrigerant (i.e. special cylinders for the recovery of refrigerant).
- Cylinders shall be complete with pressure relief valve and associated shut-off valves in good working order. Empty recovery cylinders are evacuated and, if possible, cooled before recovery occurs.
- The recovery equipment shall be in good working order with a set of instructions concerning the equipment that is at hand and shall be suitable for the recovery of flammable refrigerants. In addition, a set of calibrated weighing scales shall be available and in good working order. Hoses shall be complete with leak-free disconnect couplings and in good condition.
- Before using the recovery machine, check that it is in satisfactory working order, has been properly maintained and that any associated electrical components are sealed to prevent ignition in the event of a refrigerant release.
- Consult manufacturer if in doubt. The recovered refrigerant shall be returned to the refrigerant supplier in the correct recovery cylinder, and the relevant Waste Transfer Note arranged.
- Do not mix refrigerants in recovery units and especially not in cylinders.
- If compressors or compressor oils are to be removed, ensure that they have been evacuated to an acceptable level to make certain that flammable refrigerant does not remain within the lubricant. The evacuation process shall be carried out prior to returning the compressor to the suppliers. Only electric heating to the compressor body shall be employed to accelerate this process. When oil is drained from a system, it shall be carried out safely.
- Non-duct connected appliances containing A2L refrigerants with the supply and return air openings in the conditioned space may have the body of the appliance installed in open areas such as false ceilings not being used as return air plenums, as long as the conditioned air does not directly communicate with the air of the false ceiling.

What is in the Box.



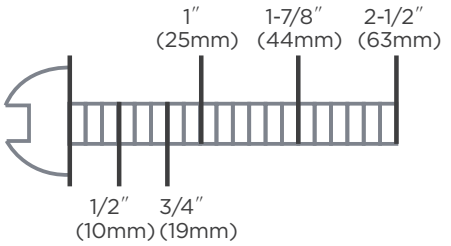
NOTE: R1 hardware is only for Energy star models.

Installation kit contents:

No.	Hardware	Qty.
1	Platform	1
2	Support brace	1
3	Adjustment bolt	1
4	Hex flange nut - 1/4	1
5	Track seal	1
6	Side channel seal	1
7	Window sash seal	1
8	Safety bracket	1
9	Screw #10 x 2-1/2″ flat-head	2
10	Screw #10 x 1-3/4″ flat-head	2
11	Screw #10 x 1″ pan-head	2

No.	Hardware	Qty.
12	Screw #8 x 3/4″ pan-head	6
13	Screw #8 x 3/4″ self-threading	7
14	Window locking bracket	1
15	Plastic window panel	1
16	Side channel	2
17	Screw-#8 x 3/8″ truss head	6
18	Panel frame/seal assembly	1
19	R1 hardware	1

Identify Screws By Length



NOTE

Use scale below to measure length of your screws. The scale will come in handy when separating screws for installation.

Prepare the following tools

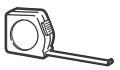

Gloves

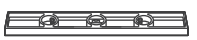

Screwdriver


Pencil


Scissors&Knife


Drill


Ruler or tape measure


Level

*Not Included

Before you get start.

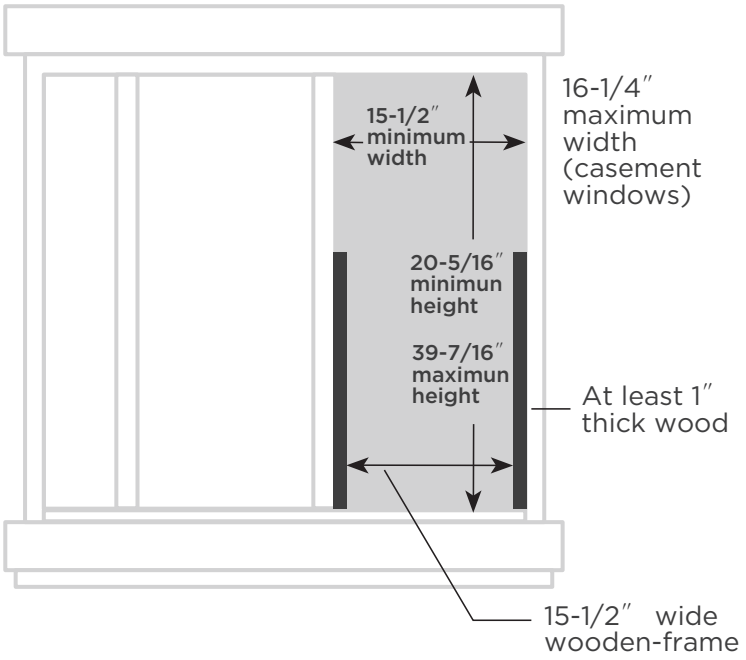
The installation must be carried out in strict accordance with the instructions in this manual.

Installing your AC should take about 60 minutes.

We recommend doing this with a helper.

We're here if you need us, please contact your local distributor for assistance.

INSTALLATION POSITION REQUIREMENTS



For wood-frame casement windows:

- 15-1/2 inches minimum width; 16-1/4″ maximum width(for casement windows)
- 21-1/4″ minimum height (with window panel retainer); 20-5/16 inches minimum height (window panel retainer removed); 39-7/16 inches maximum height
- It may be necessary to construct a frame, using at least 1″ thick wood, with a 15-1/2″ wide opening.

For brick or cement building construction:

- It may be necessary to put a wood stool strip under AC, for mounting purpose.

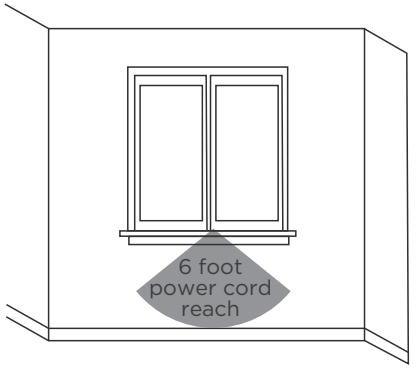
NOTE

Height measurement must be of a clear opening above mounting platform. In some cases, due to a variety of stop and track arrangements, the above dimensions may vary slightly. If necessary, installation can be made by alternating window jambs. (See Alternate Window Jamb Applications).

Choose the proper window location:

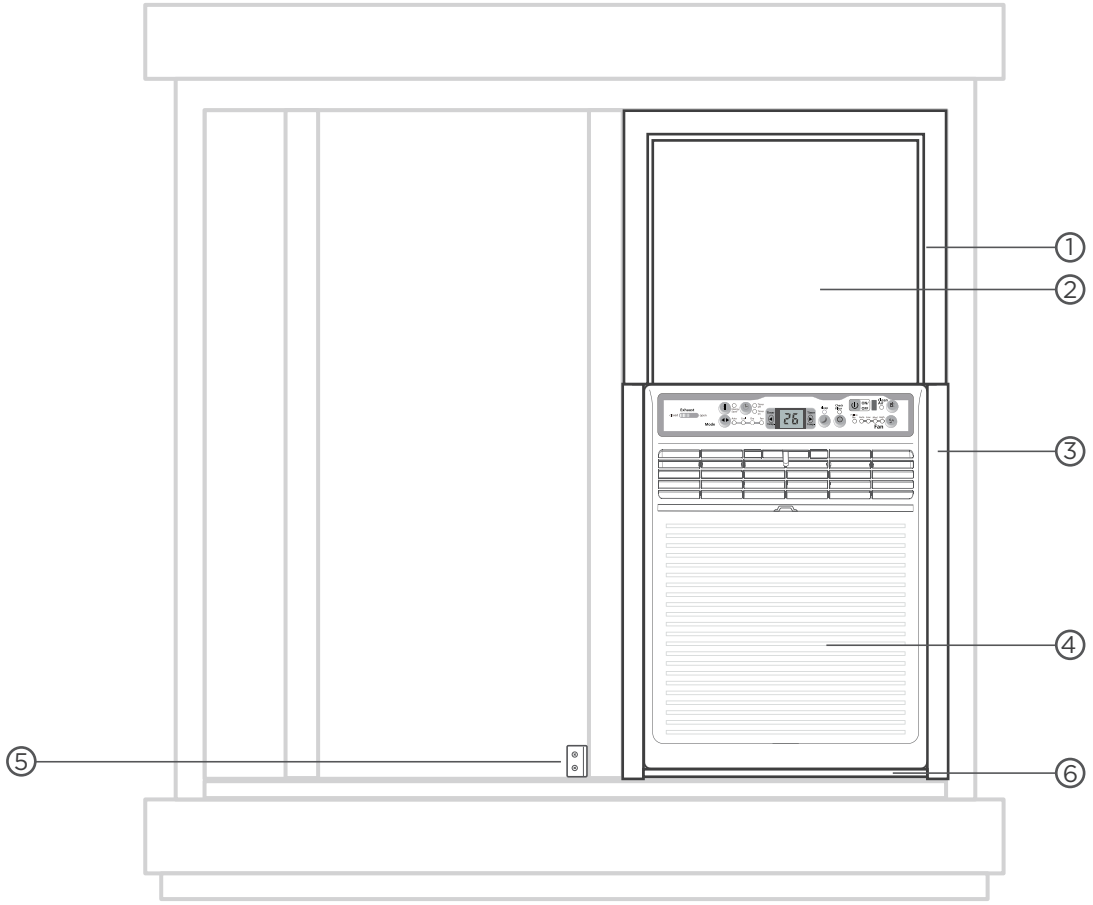
Choose a window that allows the cooled air to flow freely and directy into room(s) you wish to cool. Remember, it is difficult to move air around corners. Also,choose a window that is within 6 feet of an electrical outlet. (See Meeting Electrical Requirements / Receptacle wiring needs.)

Do not use an extension cord.



Installation overview.

Installing Unit in a Sliding Window.



① Panel frame/seal assembly x1

② Side channel x2

③ Side channel x2

④ Air Conditioner unit x1

⑤ Safety Lock x1

⑥ Window Sash Seal Foam x1

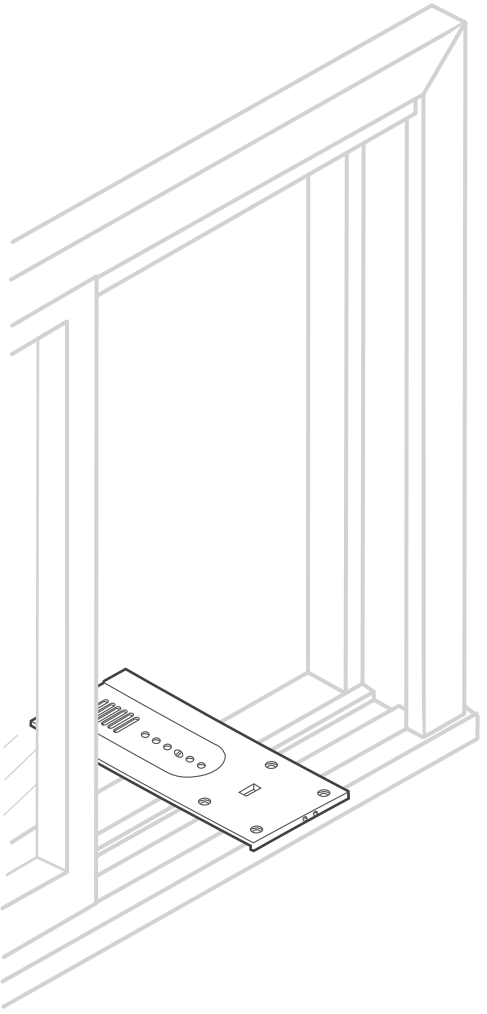
NOTE

Illustrations in this manual are for explanatory purposes. The actual shape of your indoor unit may be slightly di¸erent. The actual shape shall prevail.

Step 1

Attach support brace.

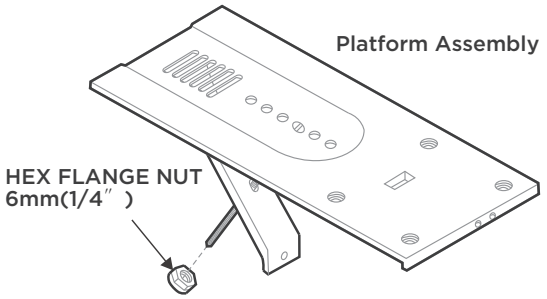
The sliding window



What you need.



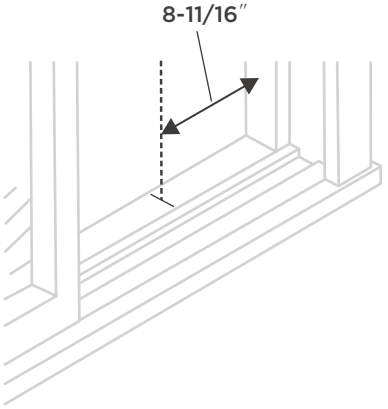
Attach support brace.



1

Attach support brace to platform.

Use adjustment bolt and hex flange nut to complete assembly. Choose slot and adjustment bolt hole locations that will create a 45 degree angle between platform and support brace. Try assembly in the window to determine if platform will rest properly, and allow proper slope(3/16″ lower on outside).



2

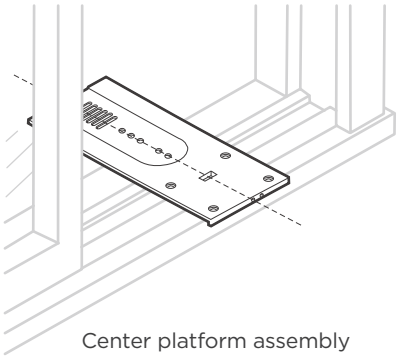
Measure and mark the position of support brace.

Measure and lightly mark a line 8-11/16″ from window jamb.

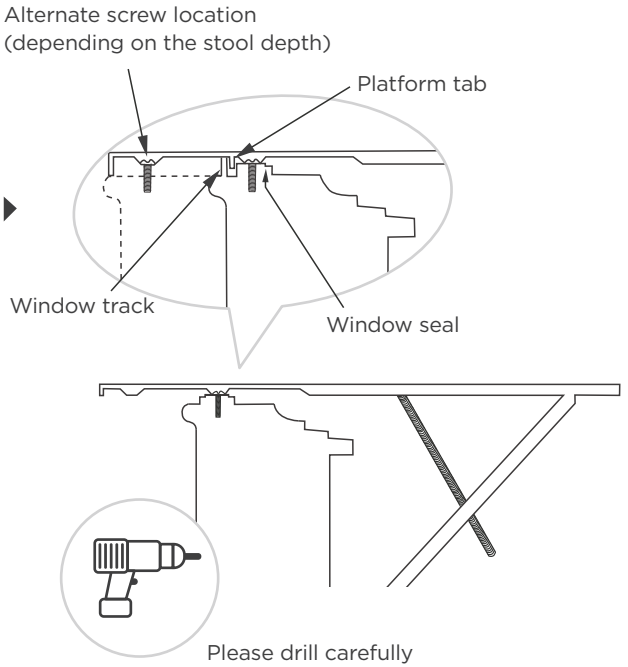
NOTE

- If you are planning to use a siding-protection board (see Step 5) on the outside of your house, hold board in place when testing assembly in window.
- If any sash stop protrudes more than 1 ″ from the side window jambs, the 8-11/16″ measurement must be increased accordingly. Screen and storm window frames may also require adjustments to the measurement.

Attach support brace.



Center platform assembly
on the line with platform tab
pressed against window track
(Lines marked in step 2).



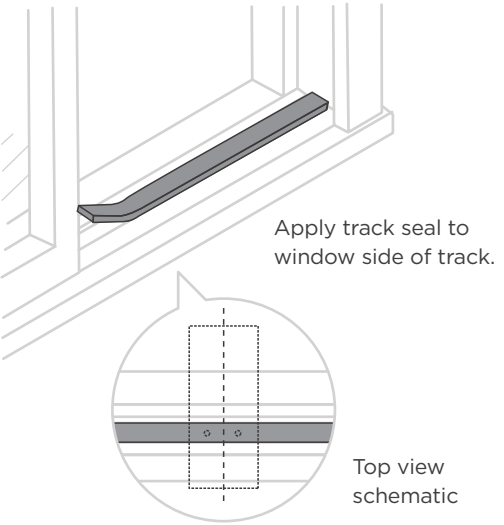
3

Center platform assembly on the window.

Center platform assembly on the line with inside platform tab pressed against inside edge of window track.

Using the holes in the platform as a guide, mark and drill two 9/64″ diameter holes. Drill holes in either track or stool.

CAUTION: Be sure wood stool or window track is securely attached to the building construction. Use longer screws in sub-framing if necessary.

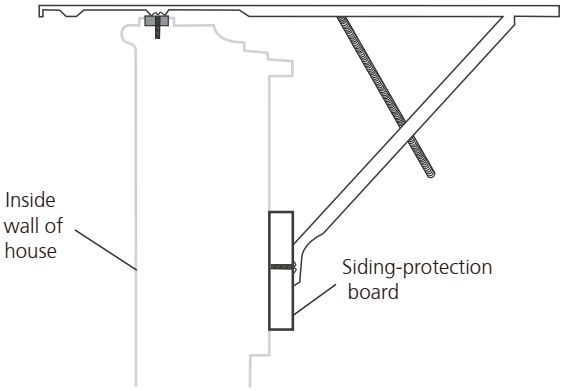


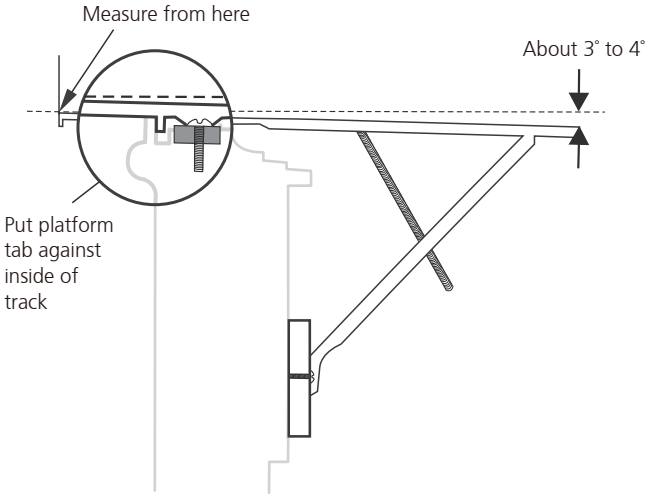
4

Apply seal to room side of window track seal.

Peel off ptotective backing from track seal. Apply seal to room side of window track seal. Center of seal strip should coincide with the line marked in Step 2. The two screw holes drilled in Step 3 should be directly above seal strip in the inner track.

Attach support brace.





5

Securely attach a siding-protection board to the outdoor side of window.

Place platform assembly,with platform tab against inside of window track, and attach it to window jamb. Use appropriate length screws (Items9-11 in Preparing For Installation).

NOTICE: Siding-protection board should be long enough to span 2 wall studs.

6

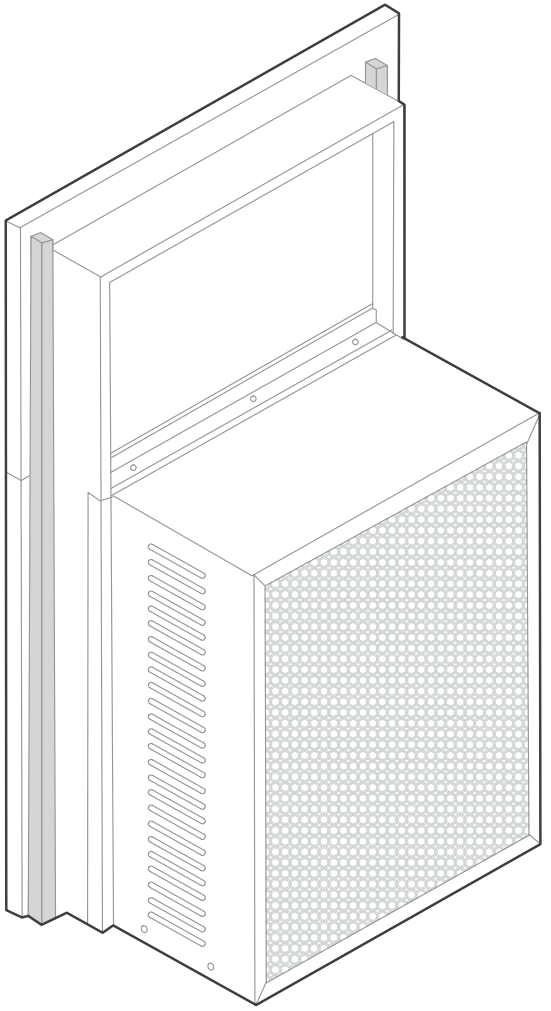
Adjust platform assembly.

Adjust the platform assembly so that the air conditioning Angle is about 3° to 4° lower than the horizontal Angle.

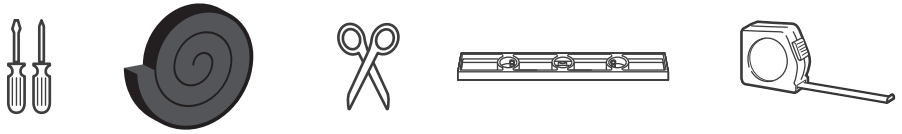
After proper installation, condensate should not drain from the overflow drain hole during normal use, correct the slope otherwise.

Step 2

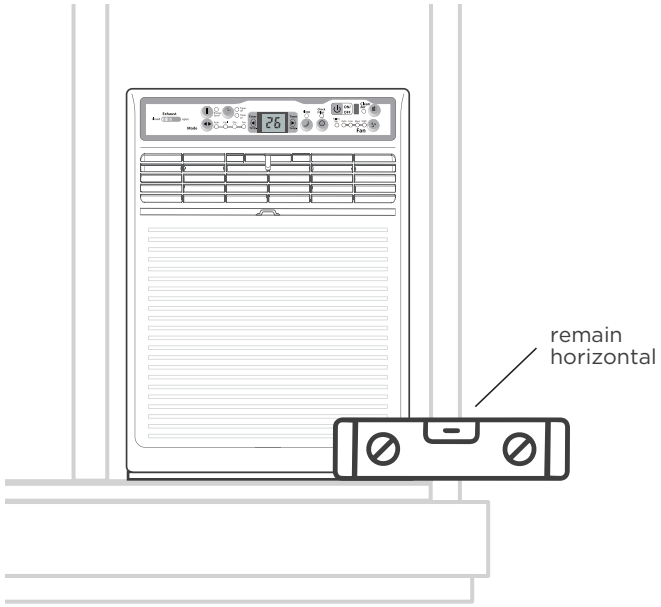
Install the panel frame and window panel.

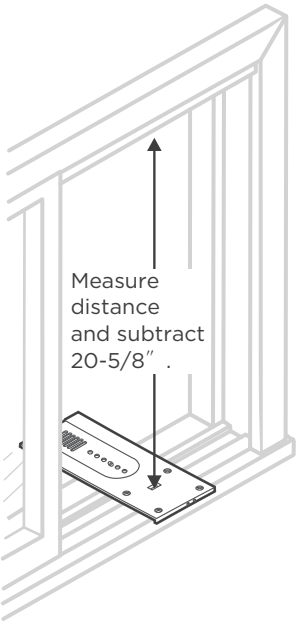


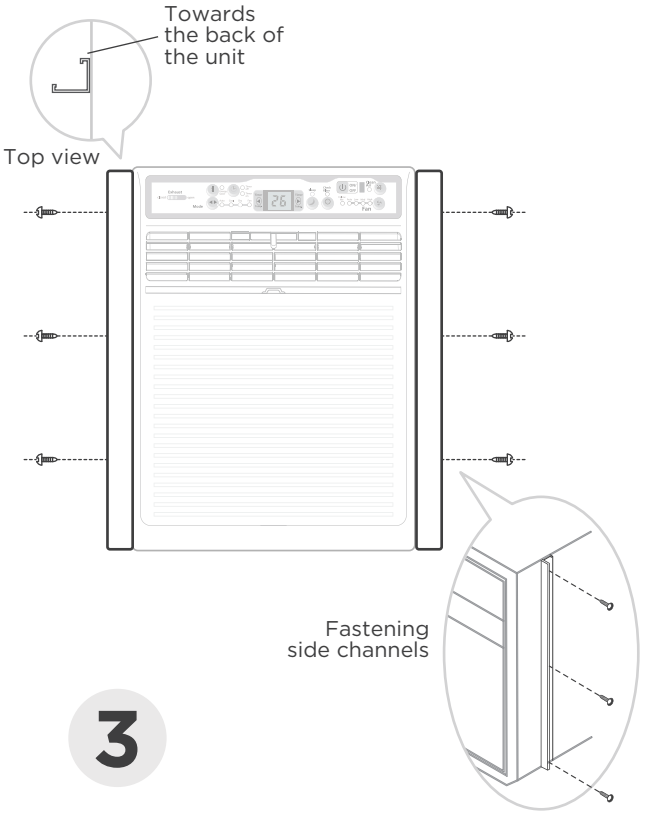
What you need.



Install the panel frame and window panel.







1

Ensure your unit is level on the window.

Level platform assembly from side-to-side. Also, make sure window track is level. Use leveling shims as necessary to ensure unit is level from side-to-side.

2

Measure height of window opening.

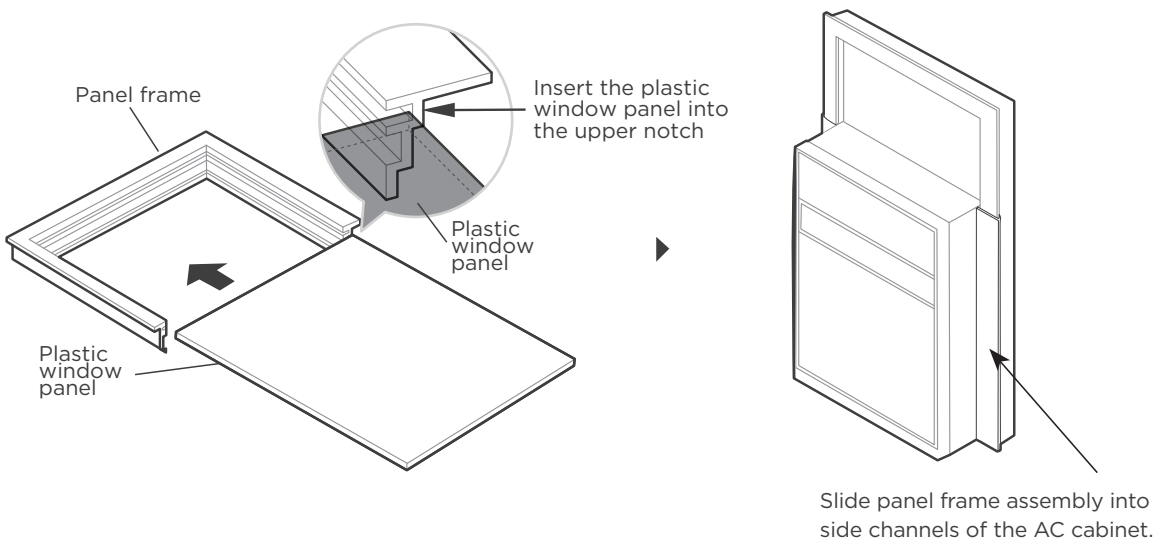
Measure height of window opening from top of platform assembly as shown right, Subtract 20-5/8 inches, Mark this measurement on plastic window panel, along the longer side.

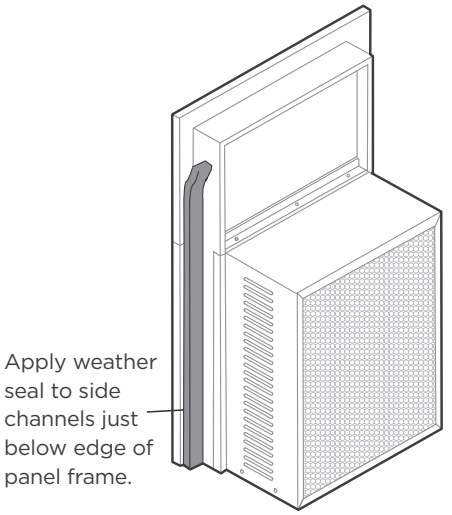
3

Fasten side channels.

Fasten side channels to the sides of the AC using 3 screws (Item 17) per channel. Start with first screw at top of channel. Make sure hook ends of channels face toward back of unit.

Install the panel frame and window panel.





4

Slide plastic window panel into panel frame.

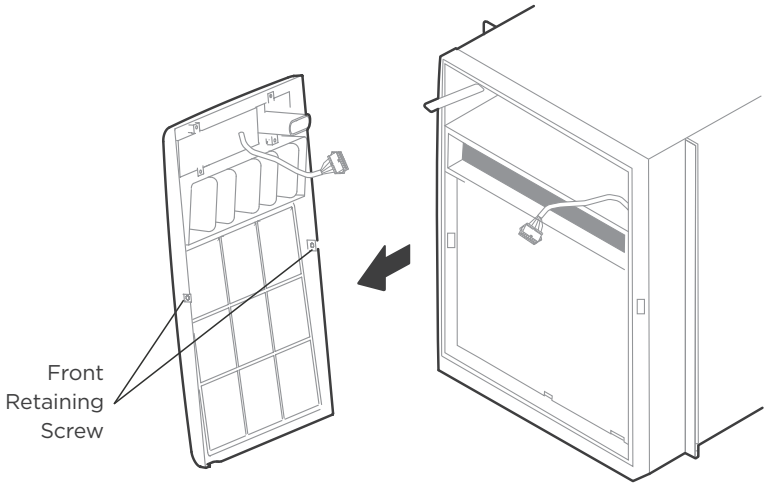
Slide plastic window panel into panel frame,with the smooth side to the room. Slide panel frame assembly into side channels of the AC cabinet. Make sure plastic window panel is firmly enclosed on all sides by the retainer grooves.

5

Paste channel seal on the back of the panel frame.

Cut side channel seal into 2 equal lengths. Remove protective backing and apply it to the rear side of cabinet side channels,starting just below panel frame assembly. Pinch off excessive length so seal is even with the bottom of the cabinet side channel.

Install the panel frame and window panel.



NOTICE:
DO NOT push or pull air direction louvers.

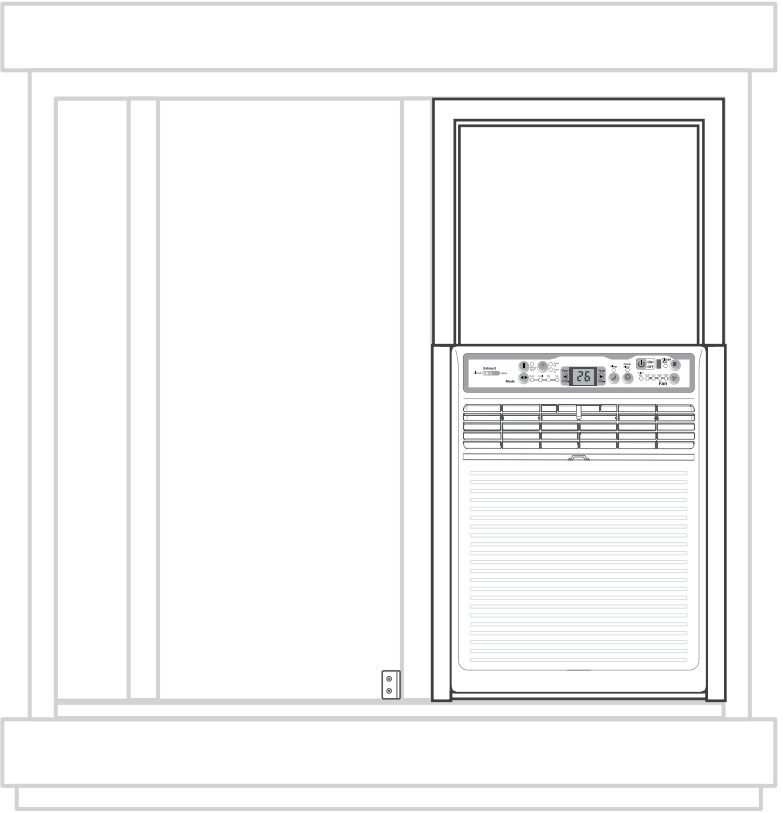
6

To remove front (Prepare for the installation of Window).

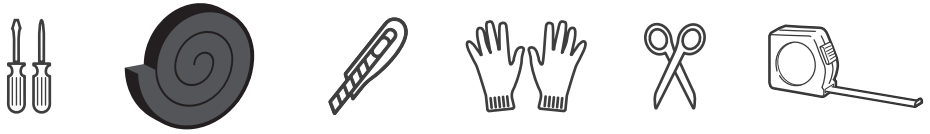
1. Remove the two front retaining screws from the front frame.
2. Gently pull the front out and lift up to release it from the case.
3. Then release the coupler plugs.

Step 3

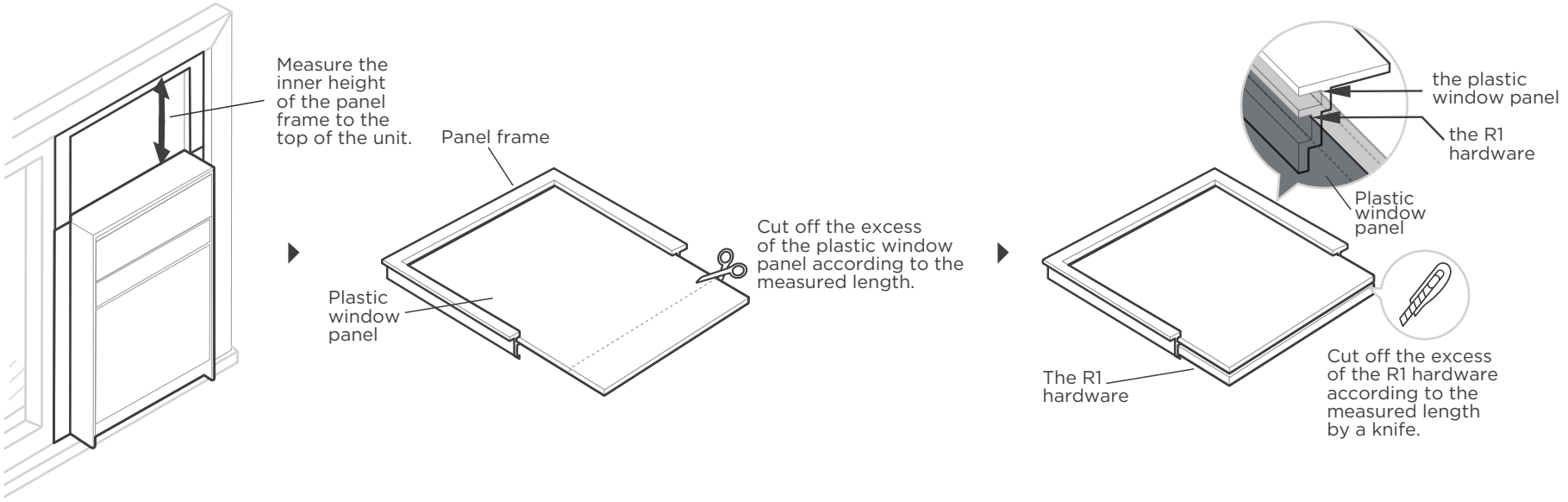
Place AC in window opening.



What you need.



Place AC in window opening.



1

Install the panel and the R1 hardware to the panel frame.

CAUTION: Be careful when cutting operation.

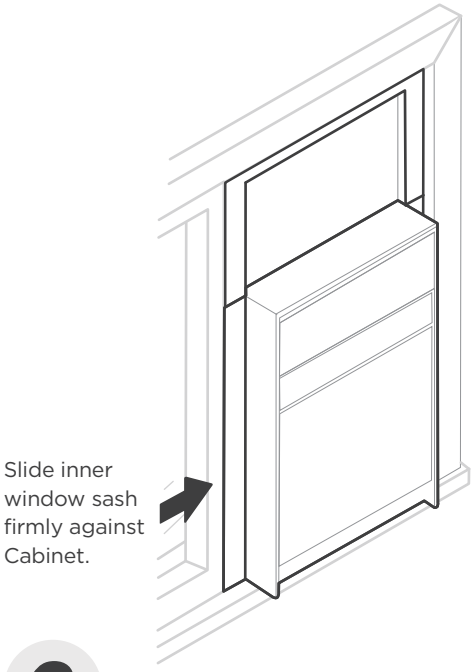
In order to minimize air leaks and ensure optimal insulation, it is necessary to install the included plastic window panel and R1 hardware (Only E-star model) to the panel frame. Follow the instructions above.

Step 1: After the unit is installed to the window, measure the inner height of the panel frame to the top of the unit.

Step 2: Remark a line on the provide R1 hardware according to the measured height in step 1, then cut the R1 insulation panel along the line.

Step 3: Remove the tape of the R1 hardware, then attach to the panel frame.

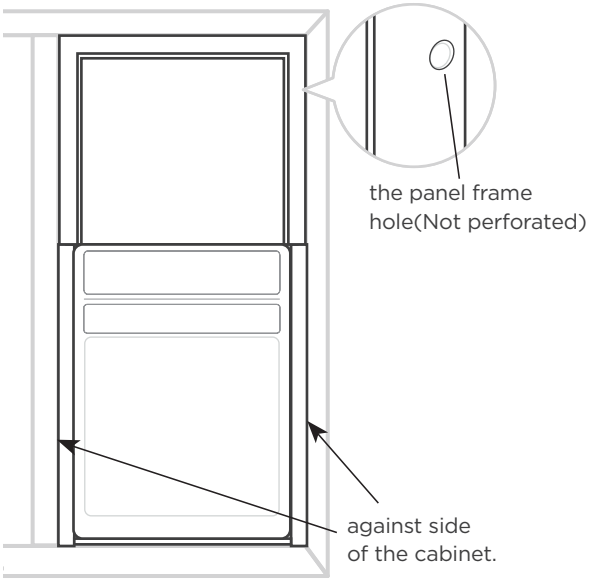
Place AC in window opening.



2

Put the AC on the window opening.

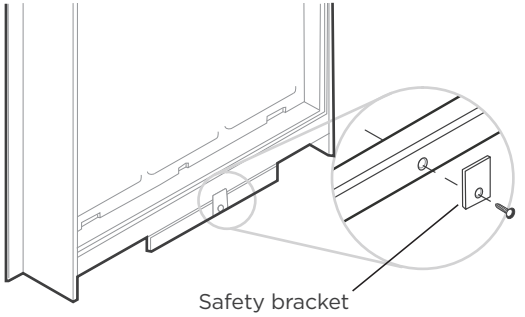
As shown above, it should sit on platform assembly so that window panel frame,and cabinet side channels are against top and side window jambs.



3

Slide inner window sash firmly.

Against side of the cabinet, make sure not to peel the seal strips from the window track and cabinet side channels.If the panel frame does not fit snugly to the inner window sash, secure the panel frame to the sash with 3/4″ screws, or 3/4″ self-threading screws, Use the partially plugged holes in the panel frame. Drill 1/8″ pilot holes for the screws.



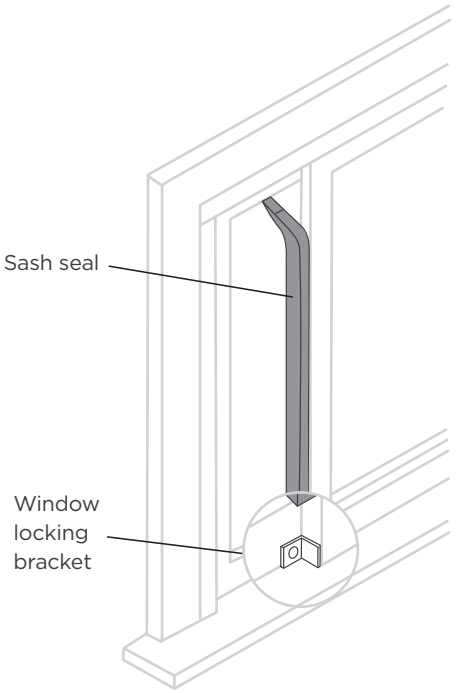
4

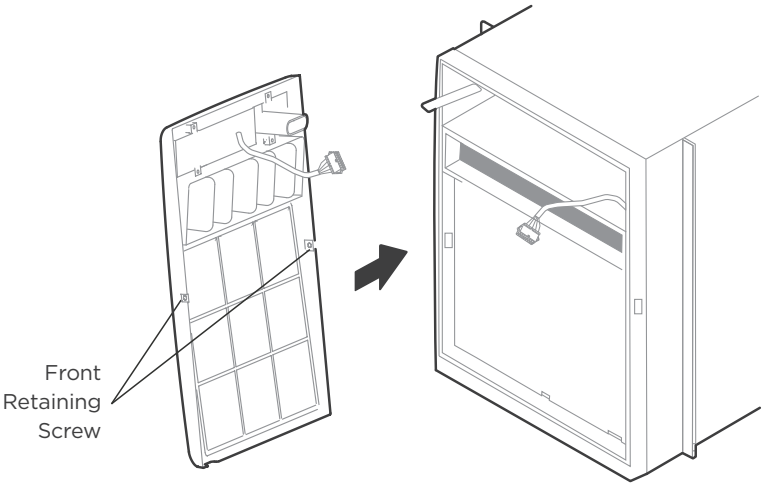
Install the safety bracket.

Hook the safety bracket over the base of the unit and fasten it to the front of the platform assembly. Use a 3/4″ self-threading screw.

NOTICE:
The bracket prevents movement of the AC (either in or out) after completing the installation.

Place AC in window opening.





5

Stuff the foam seal strip/sash seal.

Stuff the foam seal strip/sash seal between the vertical sash and the window glass, as shown above.

Install the window locking bracket.

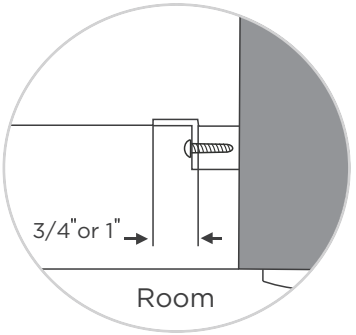
Use the window locking bracket to lock the inner window sash to the base of the outer window sash. Use one 3/4″ screw, or 3/4″ self- threading screw.(Drill 1/8″ pilot hole).

6

To replace the front.

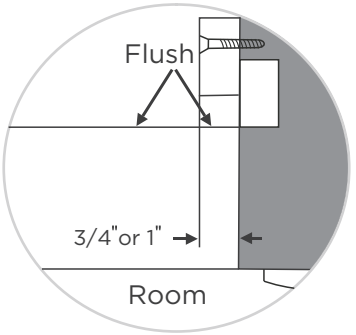
First reconnect the coupler plugs and make the exhaust control positioned through the front in the proper location. Then replace the retaining screws that holds the panel in place. Do not push or pull the front panel louvers.

Precautions for installation of different window types.



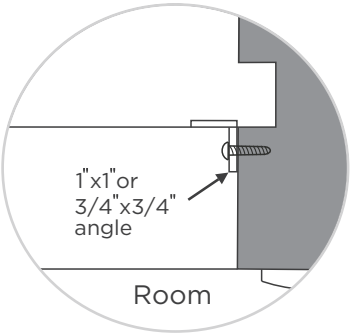
A

Add angle to wood stop



B

Add wood as shown



C

Add 16-or 18-gauge angle

7

Alternate Window Jamb Applications

To install in windows having no flanges or wood stops on the top and side jambs, the channels and panel frame must fit against mating flange (or 1/16-inch max. thick angle) attached to the window jambs. Figure A shows this angle installed. Figures B & C show alternate treatments. On the sash side of the opening,the leading corner of the inner sash becomes the flange. You can purchase the angle strip locally.

Installation for different window types.

Vinyl-Clad window & casement window

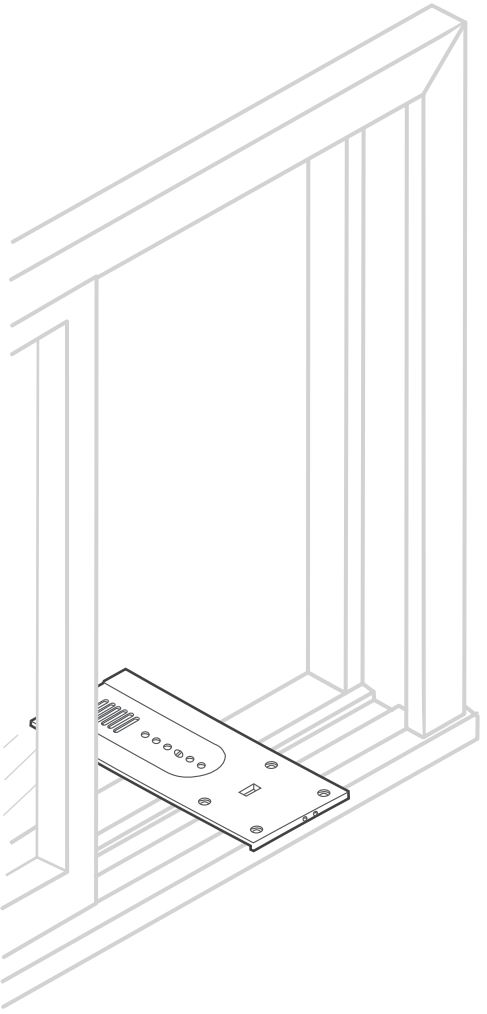
NOTE

- Illustrations in this manual are for explanatory purposes. The actual shape of your indoor unit may be slightly different. The actual shape shall prevail.

- For casement window: to avoid crank handle and window clearance problems, the unit can be installed in a stationary sash section.
  However, the horizontal mullion and the 2 glass panels must be removed before installation.

Vinyl-Clad window

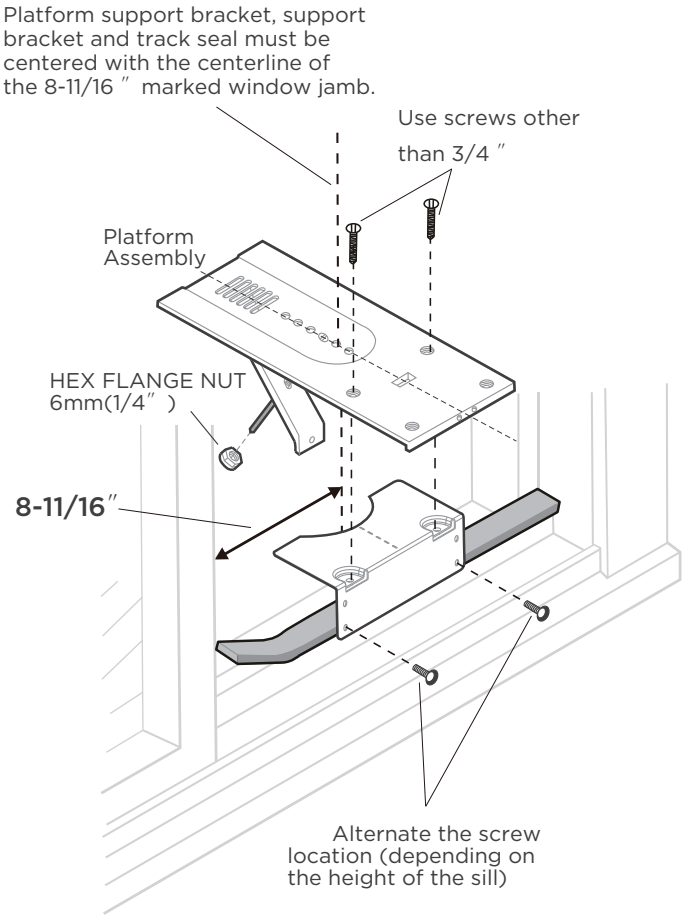
Attach support brace.



What you need.



Attach support brace (For vinyl-clad window).



1 Attach support brace to platform.

As shown on the side. Use adjustment bolt and hex flange nut to complete assembly. Choose slot and adjustment bolt hole locations that will create a 45 degree angle between platform and support brace. Try assembly in the window to determine if platform will rest properly, and allow proper slope (about 3° to 4° lower than the horizontal Angle).

2 Measure, and lightly mark a line 8-11/16″ from window jamb.

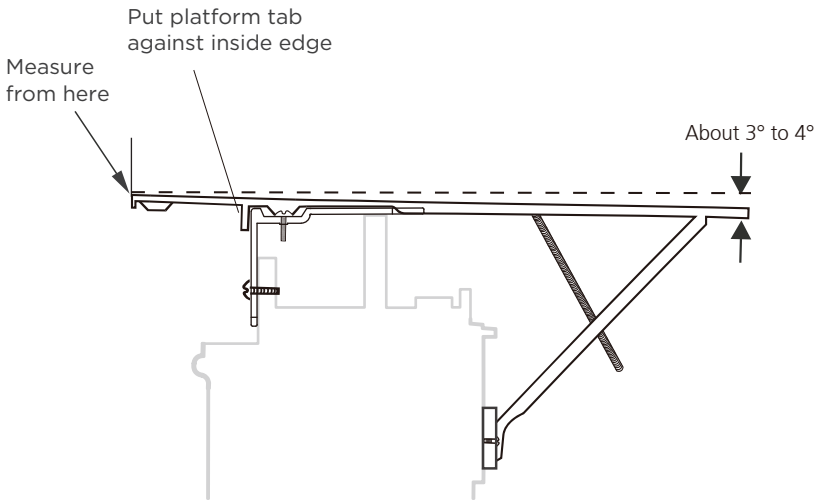
3 Install the support bracket on the window track before you install the platform.

You need to install the support bracket on the window track before you install the platform. Follow the instructions below to do that.
1. Place the support bracket on the window sill as shown. Using the holes in the support bracket as a guide, mark and drill two 1/8″ diameter holes.
2. Applly the track seal on the room side of window track.
3. After applly the track seal, use two 3/8″ screw (item 17) to fixing the support bracket. Make sure the support bracket is level form side to side. Keep going after you finish fixing the support bracket.

4 Peel off protective backing from track seal.

Apply seal to room side of window track. Center of seal strip should coincide with the line marked in Step 2. The two screw holes drilled in Step 3 should be directly above seal strip in the inner track.

Attach support brace (For vinyl-clad window).



5 Securely attach a siding-protection board.

Securely attach a siding-protection board to side of house.
NOTICE: Siding-protection board should be long enough to span 2 wall studs.

6 place platform assembly.

place platform assembly, with platform tab against insidh edge of the support bracket, and use two 3/8″ screw (item 17) to attach it to support bracket as shown above.

7 Adjust platform assembly.

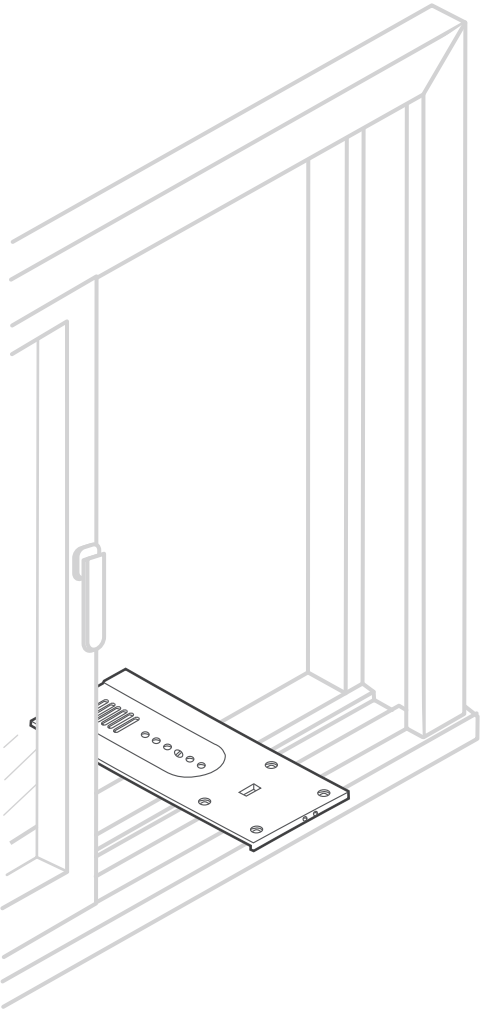
Adjust the platform assembly so that the air conditioning Angle is about 3° to 4° lower than the horizontal Angle. After proper installation, condensate should not drain from the overflow drain hole during normal use, correct the slope otherwise.

NOTE

- If you are planning to use a siding-protection board on the outside of your house, hold board in place when testing assembly in window.
- If any sash stop protrudes more than 1 ″ from the side window jambs, the 8-11/16″ measurement must be increased accordingly. Screen and storm window frames may also require adjustments to the measurement.

Casement window

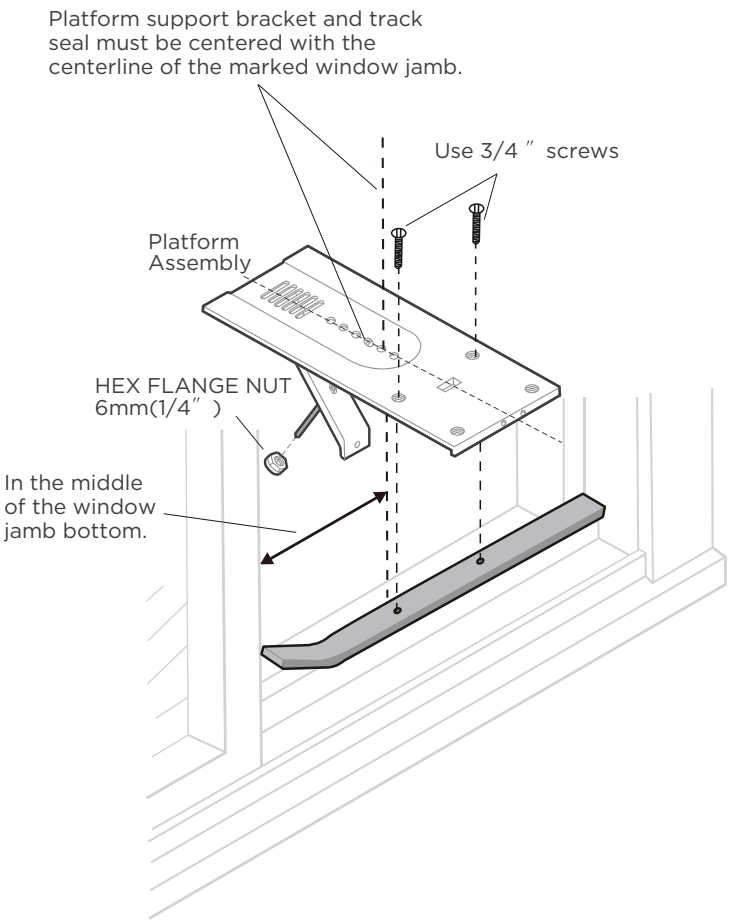
Attach support brace.



What you need.



Attach support brace (For casement window).



1 Attach support brace to platform.

Use the adjustment bolt and hex flange nut to complete the assembly. Choose the slot and adjustment bolt hole locations that will create a 45 degree angle between the platform and the support brace. Try the assembly in the window to determine if the platform will rest properly, and allow the proper slope (about 3° to 4° lower than the horizontal Angle).

2 Drill a 9/64″ diameter pilot hole.

Drill a 9/64″ diameter pilot hole in the window jamb an equal distance from each side of the jamb, and 3/16″ up from the window sill. If the hole coincides with the window lever slot in the jamb bottom, an additional hole will have to be drilled through the platform edge and the window jamb to miss this slot.

3 Apply seal to room side of window track seal.

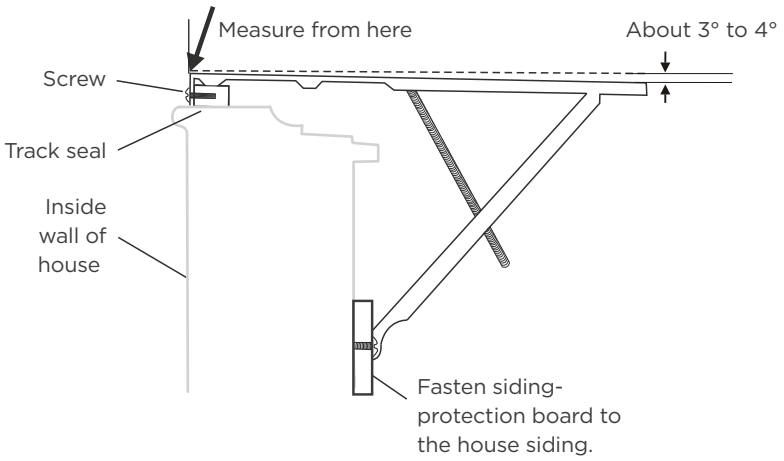
Peel off the pr otective backing from the track seal, and stick the seal to the window sill on the outside of the bottom jamb.

NOTE

Open the window the maximum amount to allow for clearance of the cabinet. The crank handle should be removed to allow the platform to be fastened to the jamb.

If the window cannot open far enough (more than 15-1/2 inches) for the cabinet to clear the window, remove the window entirely by drilling out the rivets. Bolts can serve as the pivots in the future.
If you are planning to use a siding-protection board (see Step 6) on the outside of your house, hold the board in place when testing the assembly in the window.

Attach support brace (For casement window).



4 Center platform assembly on the window.

Screw the platform assembly to the window jamb through the pilot hole you drilled in Step 2. Use a 3/4″ self-threading screw.

5 Adjust platform assembly.

Adjust the platform assembly so that the air conditioning Angle is about 3° to 4° lower than the horizontal angle.

After proper installation, condensate should not drain from the overflow drain hole during normal use, correct the slope otherwise.

6 Securely attach a siding-protection board to the outdoor side of window.

Securely attach a siding-protection board to the side of the house where the platform assembly hit the house. The siding-protection board should be long enough to span 2 wall studs.

NOTICE:
For the following installation steps, please refer to the sliding window installation method for operation. Start from Step 2-Install the panel frame and window panel.

One more thing

1

Your AC may look a little different.

All the illustrations in this manual are for explanation purpose only. Your air conditioner may be slightly di¸erent. The actual shape shall prevail.

2

Normal Sounds / Sound Performance

High Pitched Chatter

High efficiency compressors may have a high pitched chatter during the cooling cycle.

Sound of Rushing Air

At the front of the unit, you may hear the sound of rushing air being moved by the fan.

Gurgle/Hiss

“Gurgling or hissing ”noise may be heard due to refriger ant passing through evaporator during normal operation.

Vibration

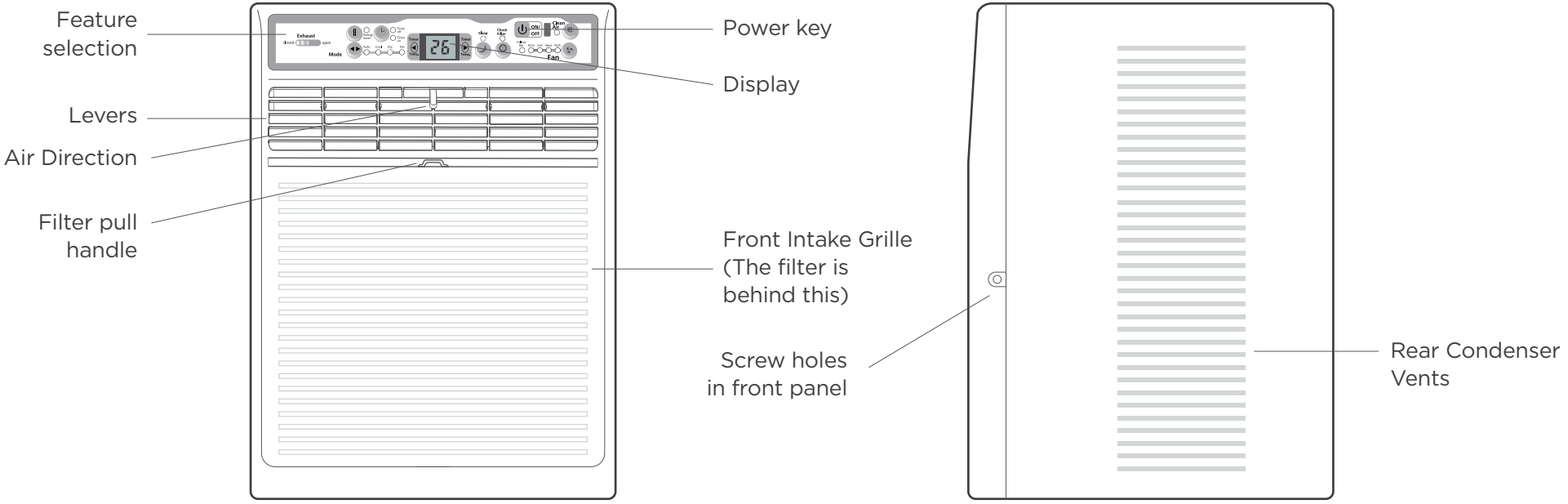
Unit may vibrate and make noise because of poor wall or window construction or incorrect installation.

Pinging or Switching

Droplets of water hitting condenser during normal operation may cause “pinging or switching”sounds.

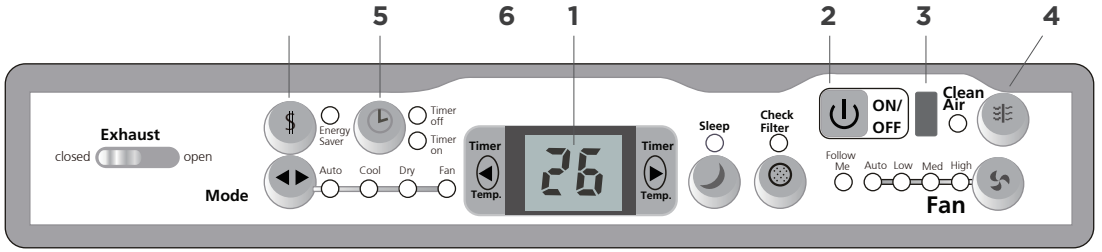
Get to know your AC.

AC unit overview



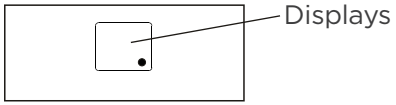
Get to know your AC.

Electronic control operating instructions



1. Display

Shows the set temperature in "°C" or"°F " and the Auto-timer settings .While on Fan only mode, it shows the room temperature. If the room temperature is too high or low, it will display“HI” or “LO”.



Error codes:

AS-Room temperature sensor error-Unplug the unit and plug it back in .If error repeats, call for service.

ES or • -Evaporator temperature sensor error-Unplug the unit and plug it back in. If error repeats, call for service.

HS-Electric heating sensor error-Unplug the unit and plug it back in. If error repeats, call for service.

2. To turn unit ON or OFF

Press ⏻ POWER button to turn unit on or off.

NOTE: The unit will initiate autom atically the Energy Saver function under Cool, Dry, Auto (only Auto-Cooling and Auto-Fan) modes.

3. Remote Signal Receptor

Give signal feedback on your actions.

4. Clean Air Feature(on some models)

Press Clean Air button,the ion generator is energized and will help to re move pollen andim purities from the air, and trap them in the filter.

5. Timer: auto start / stop feature

When the unit is on or off, first press Timer button, the TIMER ON indicator light illuminates. It indicates the Auto Start program is initiated.

When the time of TIMER ON is displayed, press the Timer button again, the TIMER OFF indicator light illuminates. It indicates the Auto Stop program is initiated.

Press or hold the UP or DOWN button to change the Auto time by 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.

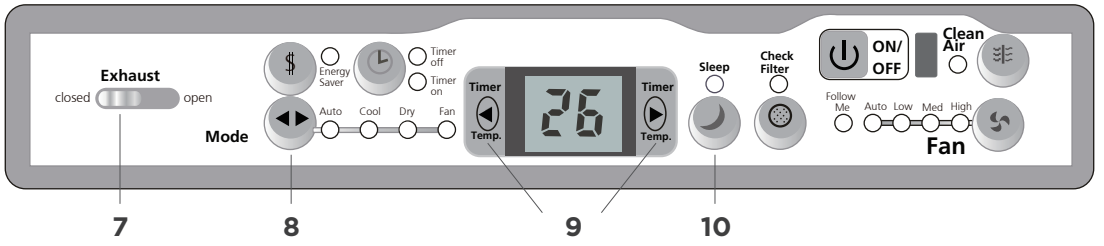
The selected time will register in 5 seconds, and the system will automatically revert back to display the previous temperature setting or room temperature when the unit is on. (when the unit is off there is no display).

Turning the unit ON or OFF at any time or adjusting the timer setting to 0.0 will cancel the Auto Start / Stop timed program.

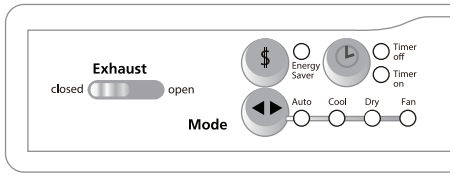
6. Energy saver feature

Press Energy saver button to initiate this function. This function is available on COOL, DRY, AUTO (only AUTO-COOLING and AUTO-FAN) modes. 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.

Get to know your AC.



7. Exhaust control



This Exhaust Control allows the air conditioner to either circulate inside air (Closed) or exhaust air to the outside (Open).

The Closed position is used when maximum cooling is desired. It may also be used for air recirculation without cooling when the air conditioner is set in any FAN position.

The Open position removes stale air from the room and exhausts it to the outside. Fresh air is drawn in through normal passages in the home.

8. To select the operating mode

To choose operating mode, press Mode button. Each time you press the button, a mode is selected in a sequence that goes from Auto, Cool, Dry and Fan.

The indicator light beside will be illuminated and remained on once the mode is selected.

The unit will initiate automatically the Energy Saver function under Cool, Dry, Auto (only Auto-Cooling and Auto-Fan) modes.

To operate on Auto feature:

- When you set the air conditioner in AUTO mode, it will automatically select cooling, heating (cooling only models without), or fan only operation depending on what temperature you have selected and the room temperature.
- The air conditioner will control room temperature automatically round the temperature point set by you.
- In this mode, the fan speed cannot be adjusted, it starts automatically at a speed according to the room temperature.

To operate on Fan Only:

- Use this function only when cooling is not desired, such as for room air circulation or to exhaust stale air (on some models).

  Remember to open the vent during this function, but keep it closed during cooling for maximum cooling efficiency. 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.
- In Fan only mode, the temperature is not adjusted.

To operate on Dry mode:

- In this mode, the air conditioner will generally operate in the form of a dehumidifier. Since the conditioned space is a closed or sealed area, some degree of cooling will continue.

9. To change temperature setting

Press ◀/▶ UP/DOWN button to change temperature setting.

NOTE: Press or hold either UP or DOWN button until the desired temperature is seen on the display. This temperature will be automatically maintained anywhere between 62° F(17°C) and 86 °F(30°C).

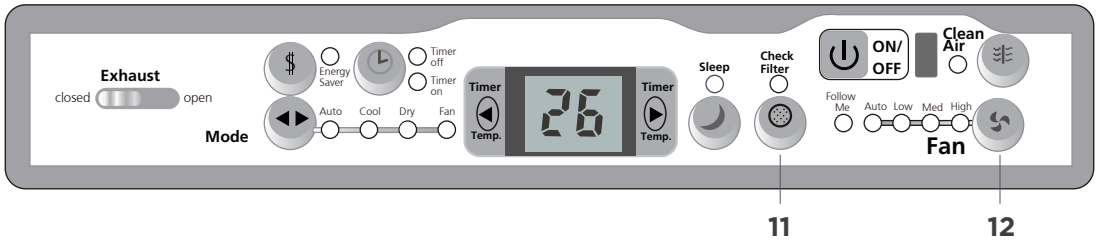
If you want the display to read the actual room temperature, see “ To Operate on Fan Only ” section.

10. Sleep feature

Press Sleep button to initiate the sleep mode. In this mode the selected temperature will increase by 2°F/1(or 2) °C 30 minutes after the mode is selected. The temperature will then increase by another 2°F/1 (or 2)°C after an additional 30minutes. This new temperature will be maintained for 6 hours before it returns to the originally selected temperature.

Get to know your AC.

Electronic control operating instructions & Air directional louvers operation



This ends the Sleep mode and the unit will continue to operate as originally programmed. The Sleep mode program can be cancelled at any time during operation by pressing the Sleep button again.

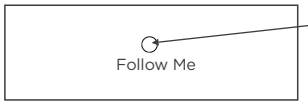
11. Check filter feature

Press Check filter button to initiate theis feature. This feature is a reminder to clean the Air Filter for more efficient operation. The LED (light) will illumi-nate after 250 hours of operation. To reset after cleaning the filter, press the Check Filter button and the light will go off.

12. To adjust fan speeds

Press to select the Fan Speed in four steps-Auto, Low, Med or High. Each time the button is pressed,the fan speed mode is shifted.

13. Follow me feature

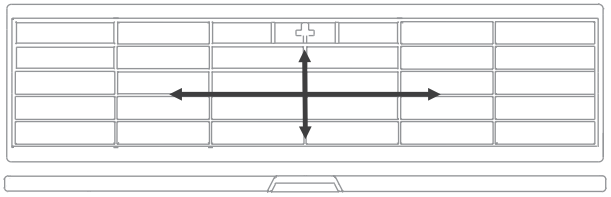


Light flashes or illuminates

This feature can be activated from the remote control ONLY. The remote control serves as a remote thermostat allowing for the precise temperature control at its location.

To activate the Follow Me feature, point the remote control towards the unit and press the Follow Me button. The remote display is actual temperature at its location. The remote control will send this signal to the air conditioner every 3 minutes interval until press the Follow Me button again. If the unit does not receive the Follow Me signal during any 7 minutes interval, the unit will beep to indicate the Follow Me mode has ended.

NOTICE:
This control panel is based on the typical model. Not all the functions describing in this manual are available for all the models.The machine you purchased may be slightly di¸erent.



Air directional louvers

The 4-Way air directional louvers allow you to direct air flow up or horizontal, left or right throughout the room as needed. To adjust the air directional louvers side-to-side, use the center handle as you move it side-to-side.

Additional Things you should know

Now that you have mastered the operating procedure, here are more features in your control that you should become familiar with.

- The Cool circuit has an automatic 3 minute time delayed start if the unit is turned off and on quickly. This prevents overheating of the compressor and possible circuit breaker tripping. The fan will continue to run during this time.
- The control is capable of displaying temperature in degrees Fahrenheit or degrees Celsius. To convert from one to the other, press and hold the Left and Right Temp/Timer buttons at the same time, for 3 seconds.

Cleaning & maintenance

How to clean & maintenance your AC.

Air Filter & Cabinet 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.

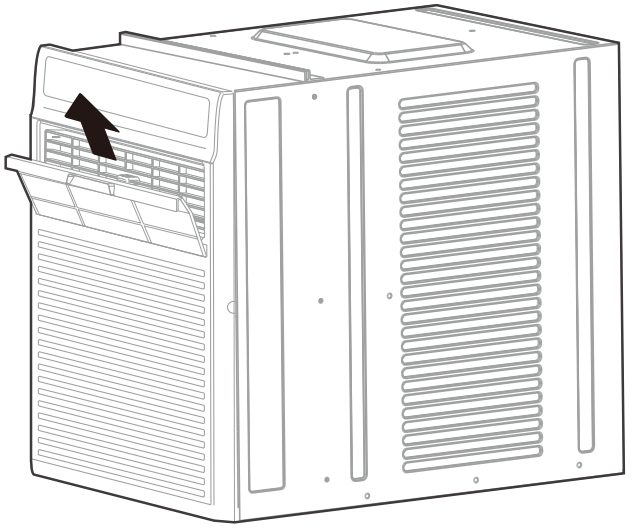
• Take the filter by the center and pull up and out. Wash the filter using liquid dishwashing detergent and warm water. Rinse filter thoroughly.

• 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 104°F(40°C) to clean the air filter. Never attempt to operate the unit without the air filter.

To prevent rust or electrical connections from being damaged, store air conditioner in an upright position and in a dry place.

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



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

CAUTION: 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.

Troubleshooting

Before calling for service, review this list. It may save your 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.	Wall plug disconnected. Push plug firmly into wall outlet.
	House fuse blown or circuit breaker tripped. Replace fuse with time delay type or reset circuit breaker.
	Plug Current Device Tripped. Press the RESET button.
	Power is OFF. Turn power ON.
Air from unit does not feel cold enough.	Room temperature below 62°F(17°C). Cooling may not occur until room temperature rises above 62°F(17°C).
	Temperature sensing behind air filter element touching cold coil. Keep it from the cold coil.
	Set to a Lower temperature.
	Compressor stopped when changing modes. Wait for 3 minutes after set to the COOL mode.
Air conditioner cooling, but room is too warm- ice forming on cooling coil behind decorative front.	Outdoor temperature below 64°F(18°C). To defrost the coil, set FAN ONLY mode.
	Air filter may be dirty. Clean filter. Refer to Care and Cleaning section. To defrost, set to FAN ONLY mode.
	Thermostat set too cold for night-time cooling. To defrost the coil, set to FAN ONLY mode. Then, set temperature to a higher setting.

Problem	Solution
Air conditioner cooling, but room is too warm- NO ice forming on cooling coil behind decorative front.	Dirty air filter- air restricted. Clean air filter. Refer to Care and Cleaning section.
	Temperature is set too High, set temperature to a Lower setting.
	Air directional louvers positioned improperly. Position louvers for better air distribution.
	Front of units is blocked by drapes, blinds, furniture, etc. - restricts air distribution. Clear blockage in front of unit.
	Doors, windows, registers, etc. Open- cold air escapes. Close doors, windows, registers.
	Unit recently turned on in hot room. Allow additional time to remove Stored heat from walls, ceiling, floor and furniture.
Air conditioner turns on and off rapidly	Dirty air filter- air restricted. Clean air filter.
	Outside temperature extremely hot. Set FAN speed to a Higher setting to bring air past cooling coils more frequently.
Noise when unit is cooling	Air movement sound. This is normal . If too loud, set to a slower FAN setting.
	Window vibration - poor installation. Refer to installation instructions or check with installer.
Water dripping OUTSIDE when unit is cooling.	Unit removing large quantity of moisture from humid room. This is normal during excessively humid days.
Remote Sensing Deactivating Prematurely (Only remote models)	Remote control not located within range. Place remote control within 20 feet and pointed in the general direction of the air conditioner unit.
	Remote control signal obstructed. Remove obstruction.
Room too cold	Set temperature too low. Increase set temperatur.

Element Appliance Limited Warranty

(the "Products" or "Product" when referencing a singular product herein)

This Product (including any accessories included in the original packaging) as supplied and distributed in new condition, is warranted by Element Appliance Company, LLC ("Element") to the original customer who purchases the Product from an authorized Element retailer (the "Original Customer" or "you") against defects in material and workmanship under proper use, maintenance, and care according to the owner's manual, warnings, and instructions accompanying the Product ("Warranty") as follows:

* **PLEASE NOTE** – Proof of purchase evidencing the date of purchase by the Original Purchaser from an authorized Element retailer ("Valid Proof of Purchase") is **required** for all Warranty service. The express Warranty set forth herein is subject to all terms and conditions set forth below.

1. WARRANTY SERVICE:

A. ONE-YEAR WARRANTY: Except as provided in subpart 1.B below, for a period of **one (1) year** from the date of purchase by the Original Customer (the "Warranty Period"), if the parts or components covered by this Warranty are determined by Element or Element's authorized service provider to be defective in material or workmanship, Element will, at its sole and absolute discretion and option: (i) repair the defective part or component at no charge to the Original Customer, (ii) replace the defective Product with a new Product of similar or better quality, at no charge to the Original Customer, or (iii) refund the documented purchase price paid by the Original Customer (excluding tax) to the Original Customer upon return of the defective Product as directed by Element. After the Warranty Period expires, the Original Customer must pay for all parts, components, shipping and handling, labor, and replacement costs associated with the Product or any part or component thereof, regardless of any defects in the Product or any part or component thereof.

B. LIMITED EXTENDED WARRANTY THROUGH PRODUCT REGISTRATION: If and only if the Original Customer registers the Product at www.elementelectronics.com within **ninety (90)** days of the date of purchase by the Original Customer, then the Warranty Period discussed in subpart 1.A. above shall be extended an additional one (1) year to a new Warranty Period equaling **two (2) years** from the date of purchase by the Original Customer. If the Product is not registered as provided for in this subpart 1.B, then the standard one-year Warranty Period set forth in subpart 1.A shall apply.

C. TIMING AND PROCEDURE: Before Warranty service can commence, the Original Customer must contact either (i) the retailer from whom the Original Customer purchased the Product, or (ii) Element directly, in either case for problem determination and service procedures. Valid Proof of Purchase evidencing that the Product is within the Warranty Period MUST be presented by Original Customer in order to obtain the requested Warranty service. Please have your model and serial number available, along with your date of purchase of the

Product. To remain eligible for Warranty service, Original Customer may not return the Product or any part or component thereof to the retailer or Element without Element's prior written consent.

2. EXCLUSIONS AND LIMITATIONS TO WARRANTY SERVICE

The Warranty covers manufacturing defects in materials and workmanship of the Product encountered in the normal, non-commercial use of the Product, and **does not cover** (a) damages or malfunctions resulting from improper or unreasonable use or maintenance, abuse, negligence, failure to follow instructions contained in any written materials that accompany the Product, deterioration by reason of excess moisture, corrosive atmosphere, lightning, power surges, connections to improper voltage supply, unauthorized alteration, or other external causes such as extremes in temperature or humidity, modifications, scratches or discoloration; (b) any damage caused by using non-authorized parts or service facilities for repair of Products (however, for avoidance of doubt, using non-authorized parts or service facilities will not, in and of itself, void the Warranty); (c) transportation, shipping, delivery, pickup, insurance, installation, or set-up costs; (d) ordinary wear and tear, cosmetic damage, or damage due to acts of nature, including but not limited to, water, floods, wind, storm, tornado, earthquake, or fire, or due to damage caused by extraordinary impact events, such as dropping, crushing, demolition or other extraordinary damage; (e) commercial use of the Product, or use of the Product for anything other than single-family household or residential use; or (f) modification of the Product or any part of the Product.

This Warranty is made to the Original Customer only and does not cover Products sold AS IS or WITH ALL FAULTS. The Warranty is invalid if the factory-applied serial number has been altered or removed from the Product. This Warranty is valid only in the United States, and only applies to Product if it was purchased and serviced in the United States. The addition of equipment or features to the Product that are not manufactured or recommended by Element could affect the intended function of the Product, and therefore may void the Warranty. Furthermore, the exposure of the Product to chemicals, heat, cold, humidity, or other elements can affect the Product components, and therefore, the Warranty does not cover discoloration, fading, cosmetic changes, rust, or any damages or failure related to any such items. The Warranty is contingent upon the proper use, maintenance, and care of the Product. The Warranty may be void if the Product has been used in a manner contradictory to, or in violation of, the terms of the user's manual, warnings, or instructions accompanying the Product.

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