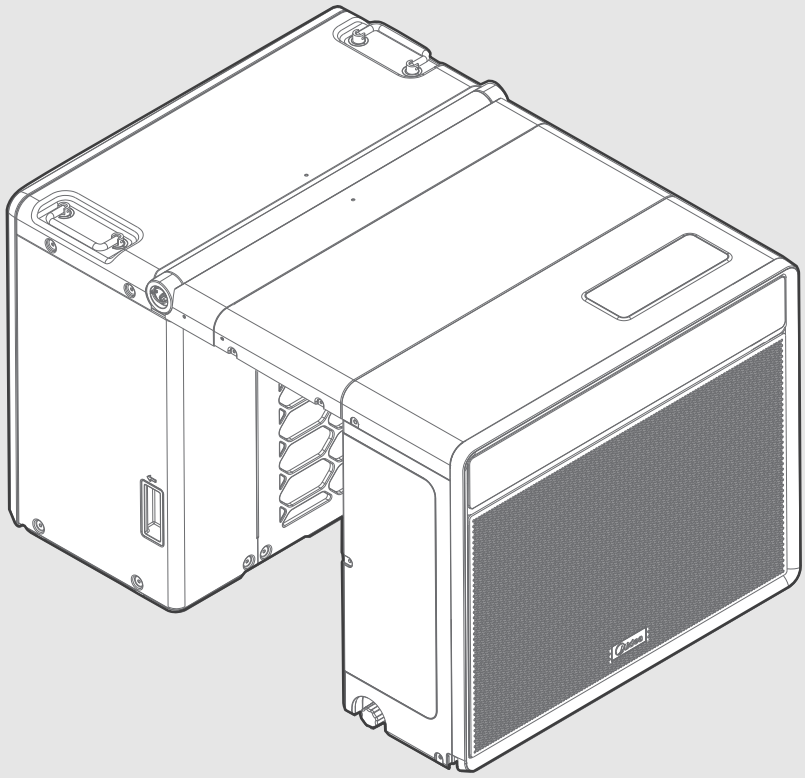


Packaged Window Heat Pump
PWHP

USER MANUAL

MAH09S1AGR
MAH09H1AGR

Wireless Model

Warning notices: Before using this product, please read this manual carefully and keep it for future reference.
The design and specifications are subject to change without prior notice for product improvement.
Consult with your dealer or manufacturer for details.
The diagram above is just for reference. Please take the appearance of the actual product as the standard.

THANK YOU LETTER

Thank you for choosing Midea! Before using your new Midea product, please read this manual thoroughly to ensure that you know how to operate the features and functions that your new unit offers in a safe way.

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SAFETY INSTRUCTIONS

Read This Manual

Inside you'll find many helpful hints on how to use and maintain your unit properly. Just a little preventive care on your part can save you a great deal of time and money over the life of your unit.

You'll find many answers to common problems in the troubleshooting tips - you should be able to fix most of them quickly before calling service. These instructions may not cover every possible condition of use, so common sense and attention to safety is required when installing, operating and maintaining this product.

Make sure to save this manual for possible future use in removing or installing this unit. If you have any additional questions or need support, please call the Service Center at 1-866-646-4332.

Explanation of Symbols

Please read Safety Precautions before operation and installation. To prevent injury to the user or other people and property damage, the instructions shown here must be followed. Incorrect operation or installation due to ignoring instructions may cause harm or damage. The level of risk is shown by the following indications, which will be used throughout this user manual.



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



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



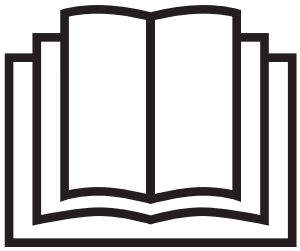
NOTE
This signal word indicates important information (e.g. damage to property), but not danger.

Explanation of symbols displayed on the unit

	**WARNING**	This symbol shows that this appliance used a flammable refrigerant. If the refrigerant is leaked and exposed to an external ignition source, there is a risk of fire.
	**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.



Caution: Risk of fire/flammable materials
(Required for R32 units only)



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

⚠ WARNING

Power Cord - The following instructions regarding the power cord and connecting the unit to power must be followed to reduce the risk of fire and electric shock, which could cause serious injury or death.

- Plug in power cord plug properly.
- The power cord is equipped with a three-prong grounding plug for protection against shock hazards. Do not cut or remove any prongs from the power cord.
- Your unit must be used in a properly grounded 3-prong wall outlet. If the wall outlet you intend to use is a not a 3-prong outlet and protected by a time delay fuse or circuit breaker, have a qualified electrician install the proper receptacle.
- Be sure the unit is plugged into an electrical outlet that has a voltage rating adequate for the model you have chosen. The voltage rating can be found on the serial plate of the unit, located on the side panel.
- Do not plug the unit into a wall socket that is loose or damaged.
- Hold the plug by the head of the power plug when taking it out to avoid electric shock. Do not pull by the cord or touch the prongs.
- Do not damage or use an alternate power cord.
- Do not use an adapter plug or extension cord with this appliance.
- Ensure the receptacle is accessible after the unit installation.
- Do not place heavy objects such as furniture on the power cord and take care that the cord is never pinched.
- Power voltage should be within 90-110% of rated voltage. Insufficient power supply can cause malfunction, electrical shock, or fire.

⚠ WARNING

Flammable Refrigerant – Flammable refrigerant R32 is used within the unit. Please follow the instructions below carefully on how to handle, install, and store the unit to avoid hazards due to the refrigerant.

- Please check with your local disposal company on what to do.
- If the power cord is damaged, it must be replaced by the manufacturer or an authorized service center or a similarly qualified person.

Operation and Use - The following instructions regarding operation and use must be followed to reduce the risk of fire, electric shock, or personal injury.

- Do not operate your unit in a humid room such as a bathroom or laundry room.
- Do not store or operate the unit close to heating appliances. It may cause fire or electric shock.
- Unplug the unit if you notice unusual sounds, smells, or smoke coming from it.
- Do not allow water to come into contact with any electric parts.
- Do not disassemble or modify the unit.
- Do not open any compartments on the unit during operation, such as air filter covers.
- Do not hang on the unit.
- Do not drink the drain water.
- Do not use in places where water may splash onto the unit.
- This appliance is not intended for use by people (including children) with reduced physical, sensory, or mental capabilities or lack of experience and knowledge, unless they have been given supervision 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.

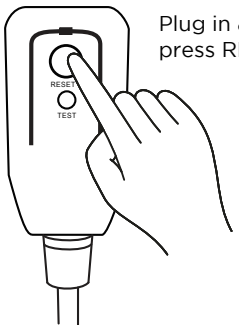
⚠ CAUTION

- The appliance shall be installed in accordance with national wiring regulations.
- Do not obstruct the air inlets or air outlets of the unit. This may cause a decrease in performance or failure.
- Always use two people when lifting the unit and use proper lifting techniques when installing.
- Do not use this unit to preserve precision devices, food, pets, plants, and art objects.

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:

1. Plug in the Unit.
2. 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.
3. Press the RESET Button again, you will notice a click as the button engages.
4. 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).

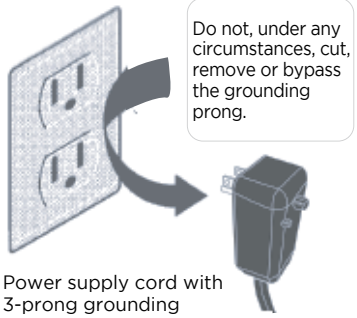


Plug in & press RESET

⚠ WARNING

- The power supply cord with this unit contains a current detection device designed to reduce the risk of fire.
- In the event that the power supply cord is damaged, it cannot be repaired - it must be replaced with a cord from the product manufacturer.
- Do not insert or pull out the power cord plug 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. Please contact Customer Service.

Grounding type wall receptacle



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

⚠ 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 the 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 appliance to avoid any damage or hazard.
- Flammable Refrigerant R32 is used within appliance.
- When maintaining or disposing the appliance, the refrigerant (R32) shall be recovered properly, shall not discharge to 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 certificate 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 appliance to avoid causing ignition of the flammable refrigerant used.
- Please follow the instructions carefully when storing or maintaining the appliance 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 to hand. 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 sufficiently 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 specifications. 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 within which 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; and 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 practice be followed, since flammability is a consideration. The following procedure shall be adhered to:
    -Safely remove refrigerant following local and national regulations;
    -Evacuate;
    -Purge the circuit with inert gas (optional for A2L);
    -Evacuate (optional for A2L);
    -continuously flush or purge with inert gas when using flame to open circuit; and
    -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, refrigerants 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. The outlet for the vacuum pump shall not be close to any potential ignition sources, and ventilation shall be 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 OFN. The system shall be leak tested on completion 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.

a) Become familiar with the equipment and its operation.

b) Isolate system electrically.

c) 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.

d) Pump down refrigerant system, if possible.

e) If a vacuum is not possible, make a manifold so that refrigerant can be removed from various parts of the system.

f) Make sure that cylinder is situated on the scales before recovery takes place.

g) Start the recovery machine and operate in accordance with instructions.

h) Do not overfill cylinders. (No more than 80% volume liquid charge.)

i) Do not exceed the maximum working pressure of the cylinder, even temporarily.

j) 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.

k) Recovered refrigerant shall not be charged into another refrigeration system unless it has been cleaned and checked.

14. Labelling

Equipment shall be labelled 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 labelled 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.

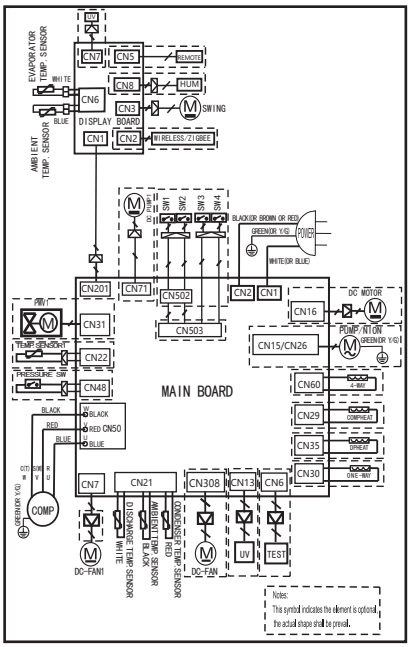
The recovery equipment shall be in good working order with a set of instructions concerning the equipment that is at hand and shall be suitable for the recovery of the flammable refrigerant. If in doubt, the manufacturer should be consulted. In addition, a set of calibrated weighing scales shall be available and in good working order. Hoses shall be complete with leak-free disconnect couplings and in good condition. The recovered refrigerant shall be processed according to local legislation 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 compressor body shall not be heated by an open flame or other ignition sources to accelerate this process. When oil is drained from a system, it shall be carried out safely.

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 different 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.

PRODUCT INSTALLATION

⚠ WARNING - Before You Begin

Read these instructions completely and carefully.

- **IMPORTANT** - Save these instructions.
- **IMPORTANT** - Observe all governing codes and ordinances.

Before installation, please inspect the entire unit and the packaging appearance. If any oil leakage traces are found, please contact a qualified supplier for inspection.

Installation of this product requires the use of two people to properly place the unit into the installation space.

Proper installation is the responsibility of the installer.

Product failure due to improper installation is not covered under the Limited Warranty.

You MUST use all supplied parts and use proper installation procedures as described in these instructions when installing this unit.

Do not, under any circumstances, cut or remove the third (ground) prong from the power cord.

Do not change the plug on the power cord of the unit.

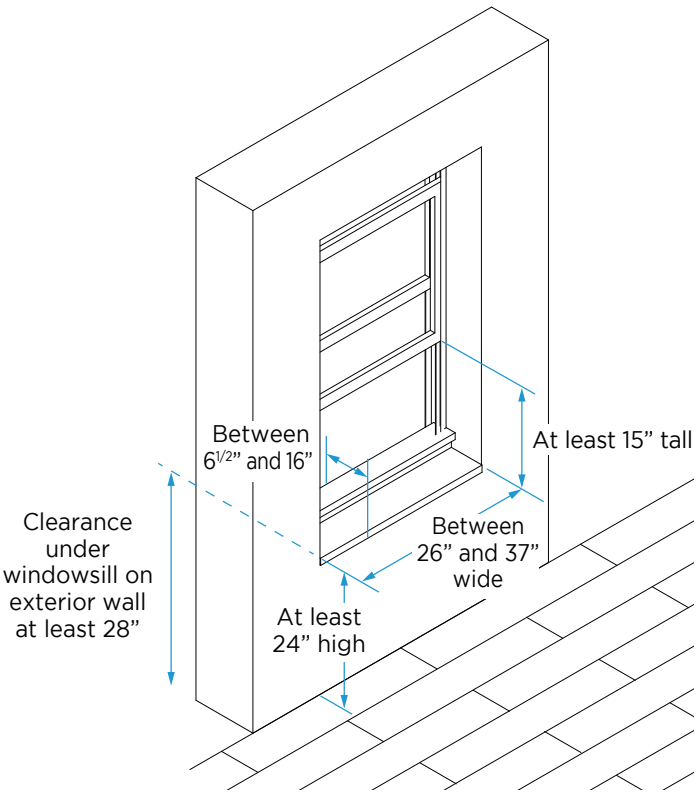
Aluminum house wiring may present special problems - consult a qualified electrician.

When handling the unit, be careful to avoid cuts from sharp metal edges and aluminum fins on front and rear coils. Please wear cut-resistant gloves.

Bracket should only be used for its intended purpose. If not, the warranty will be voided.

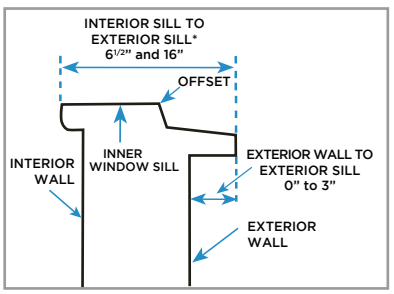
Window Requirements

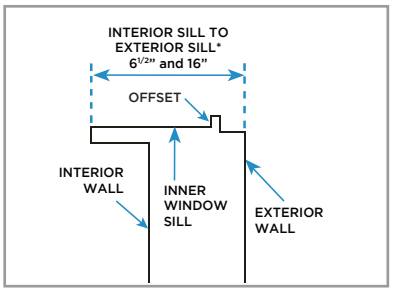
Your unit is designed to install in standard double hung windows with opening widths at least 26” and a window opening height of 15”.



NOTE

To ensure enough clearance below the window for the unit, do not install in a window above a radiator.



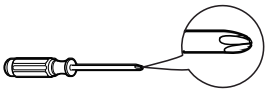


NOTE

If the window does not have an interior or exterior sill, measure to the interior and exterior walls.

Tools You Will Need

Phillips Screwdriver



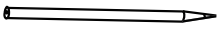
Level



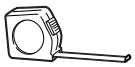
Flathead Screwdriver



Pencil



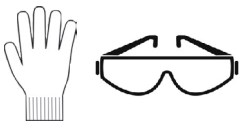
Ruler or tape measure



Scissors or knife



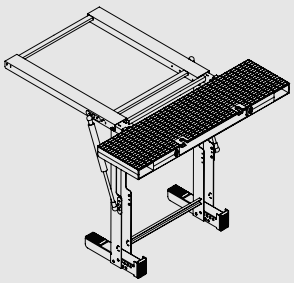
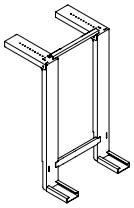
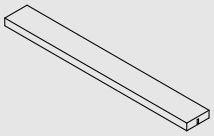
Proper PPE

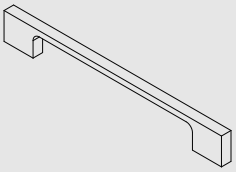
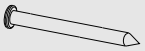
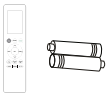


NOTE

Only install this unit with the help of a second person to ensure it is done safety and correctly. Do not perform the installation alone.

Installation Hardware

	Main Bracket - Outdoor Component	1
	Main Bracket - Indoor Component	1
	Window Sash Lock	2
	Adhesive Foam	4
	Windowsill Sealing Foam Strip	1

	Top Sealing Foam Strip	1
	Cotter Pin	2
	Tapered Pin	2
	Screw	15
	Rubber Pad (extra only)	2
	Plastic Window Lock	3
	Remote Controller and Battery	1

NOTE

Save these Installation Instructions for future reference. If any piece of hardware is missing, DO NOT INSTALL THE PRODUCT, and call customer service at 1-866-646-4332.

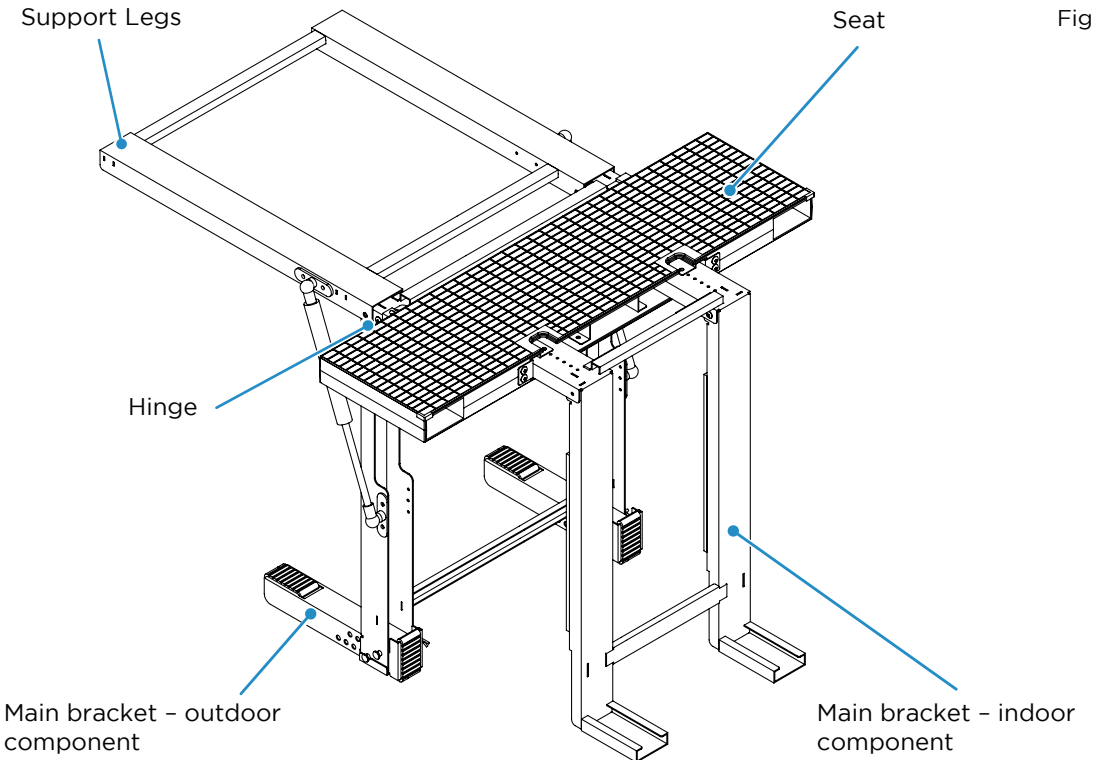


Fig. 1

Before You Start

Unpack all the items in the box and ensure you have all the necessary components. The components of the bracket should be secured together with tape and plastic cable ties (zip ties).

Cut the tape shown in blue in the image on the right. This will disconnect the indoor component of the bracket from the rest of the bracket, and free the support legs on the bottom.

KEEP the zip ties on your actual bracket, shown on the right in red. Keep these zip ties in place until later in the install process. This will keep the support legs from moving to make for an easier installation process.

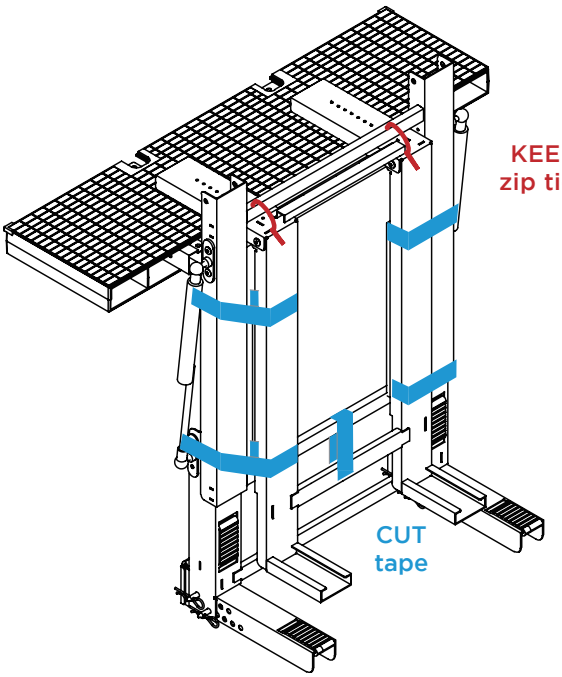


Fig. 2

1. Prepare the Window

A. Place the window sealing foam strip in the windowsill, placing the side with the slit face down, thicker side towards the outdoors. If your window has a vinyl or aluminum lip, place the sealing foam strip so that the lip on the window sits within the slit on the foam. If your window does not have a lip, place the sealing foam strip in line with the window track.

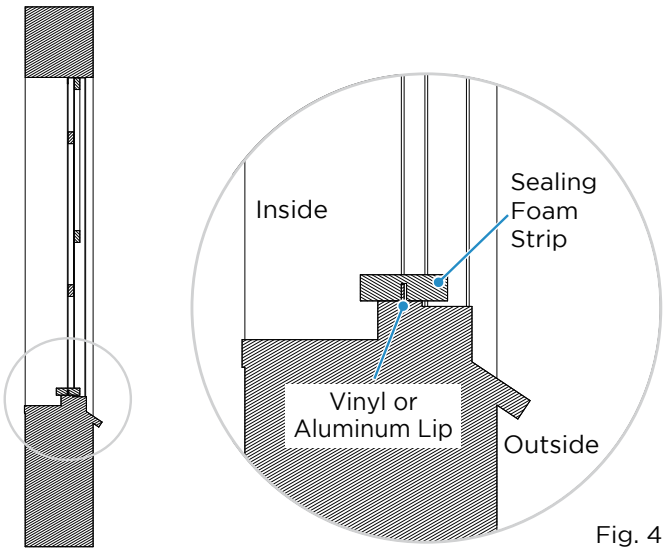
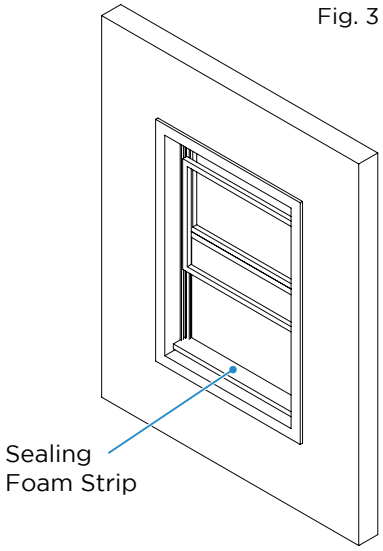


Fig. 4

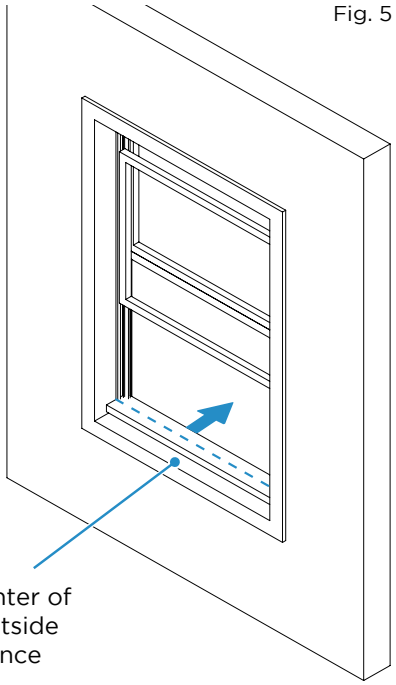
Fig. 3



2. Install Main Bracket – Outdoor Component

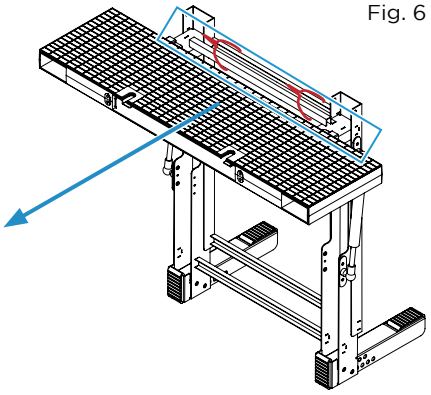
A. Measure the distance between the outside wall (or edge of the outside windowsill if your window has one) to the center of the sealing foam strip.

Fig. 5



B. Remove the 2 screws holding the seat to the outdoor legs. Adjust the outdoor legs so that the distance between the center of the seat and the outdoor legs is roughly the distance measured in step A. This will ensure the seat is centered over the sealing foam strip. Replace and tighten the screws.

Fig. 6



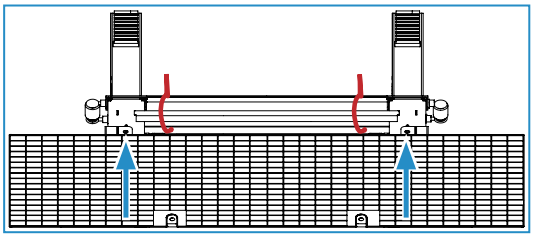


Fig. 6a

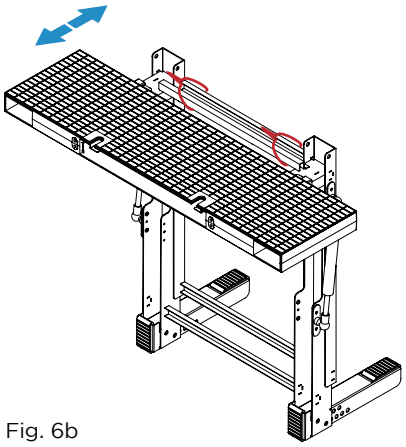


Fig. 6b

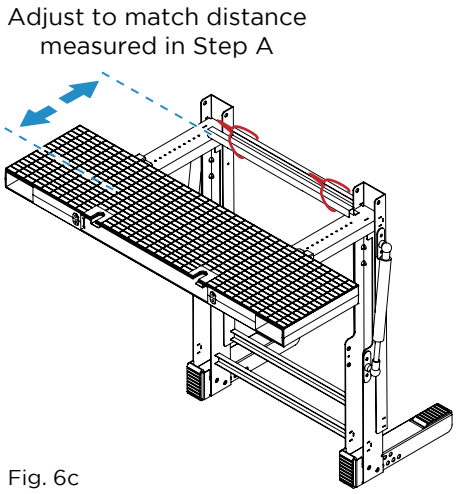
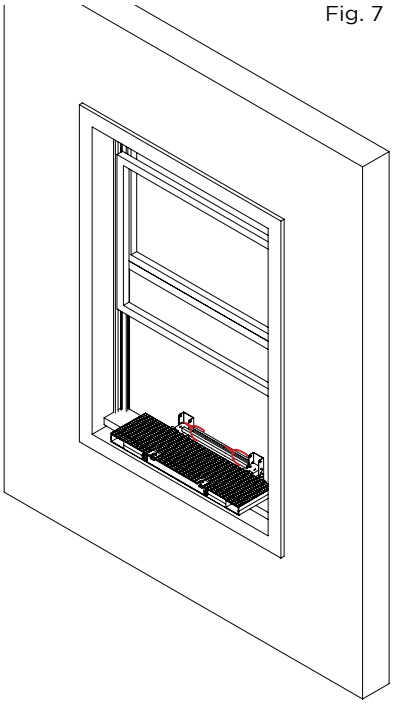


Fig. 6c

C. Place the outdoor half of the bracket in the window. Check that the seat is sitting over the foam strip as the outdoor legs contact the outdoor wall or the outdoor window ledge.

Fig. 7



⚠ WARNING

Maintain control of the bracket until installation is complete.

D. If on the smallest setting the seat is not centered over the foam strip, remove the bracket from the window. Adjust the feet on the outdoor legs by removing the pins and extending the feet out. Reinstall the pins at the desired setting, then reinstall the bracket in the window to check the placement of the seat.

Fig. 8

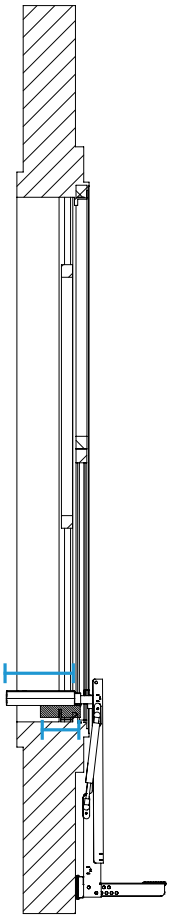
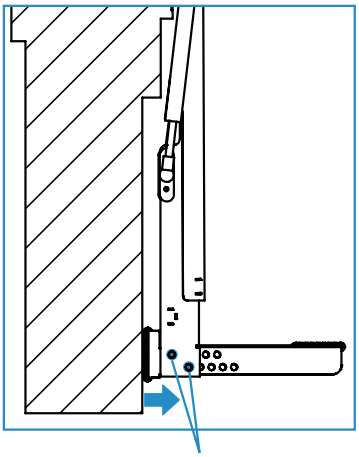


Fig. 8a



Adjust the bottom bracket using the pin.

Fig. 9

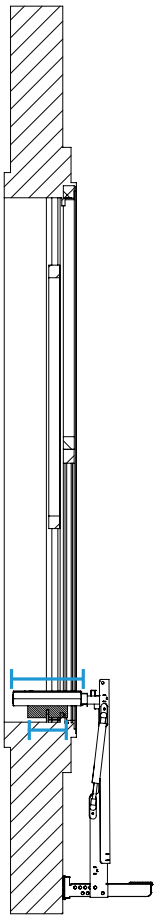
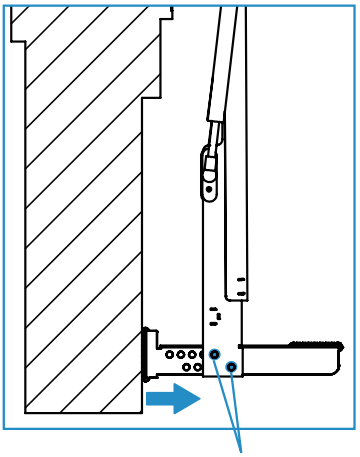


Fig. 9a



Adjust the bottom bracket using the pin.

3. Install Main Bracket – Indoor Component

A. Keeping a hand on the outdoor component of the bracket, place the indoor component legs into the slots on the seat. Make sure you have a firm grip on the outdoor legs before pushing on the indoor legs to slide them closer to the wall. Slide the indoor legs in until they contact the inside wall or indoor windowsill. Secure the indoor legs in place with 2 of the screws included in the hardware bag.

Fig. 10

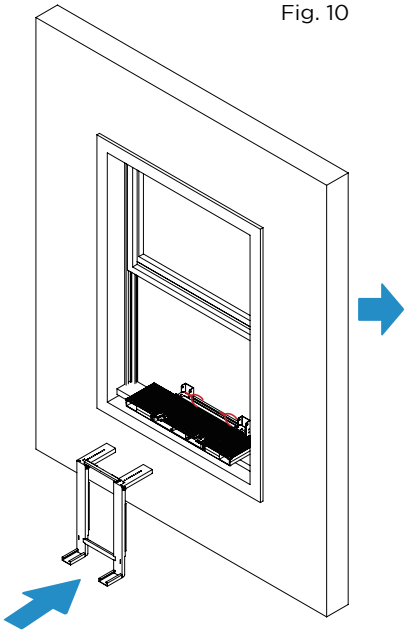


Fig. 10a

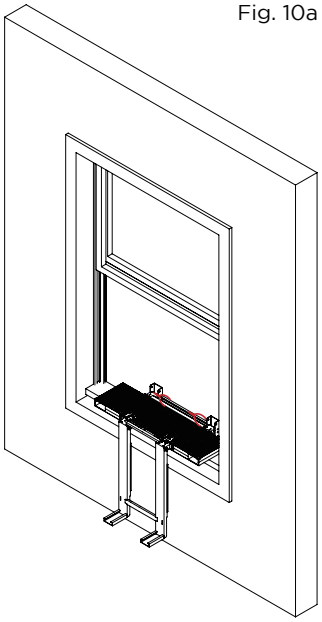
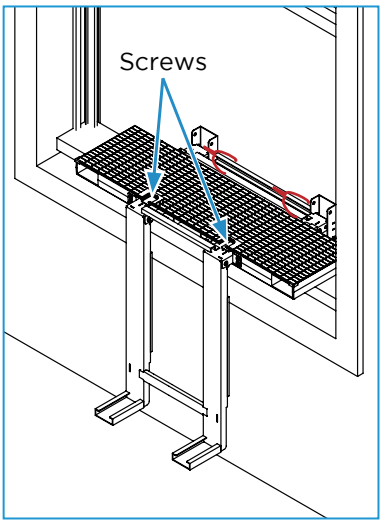


Fig. 10b



4. Install Main Bracket – Final Steps

A. Prepare the outdoor side of the bracket for unit installation by installing the tapered hinge pins. KEEP THE ZIP TIES CONNECTED AT THIS STEP. With the zip ties still in place, pivot the support legs 90 degrees to that they are parallel to the bracket seat.

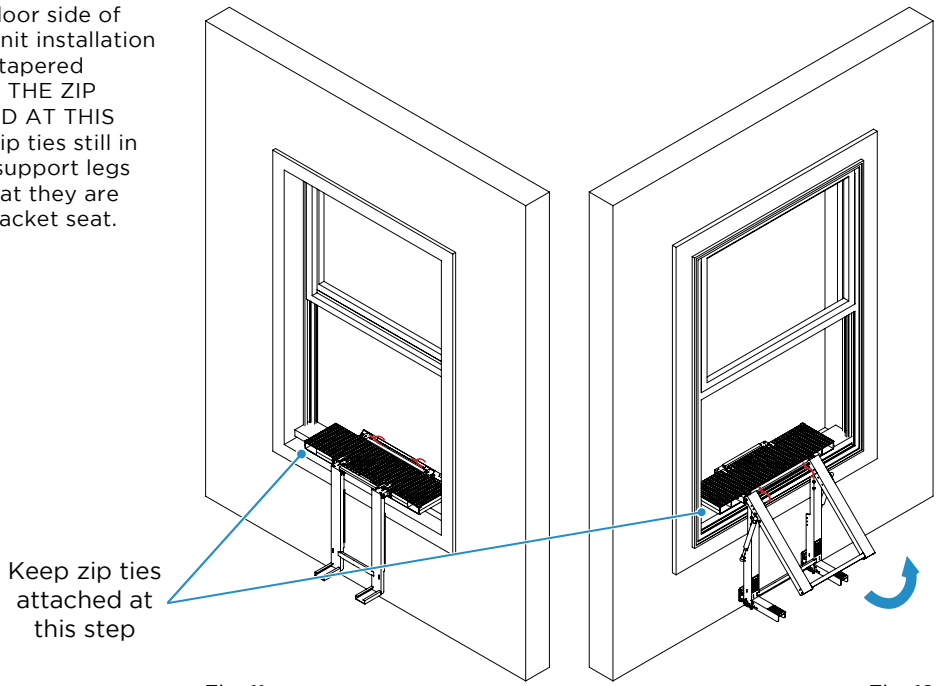


Fig. 11 Indoor Side

Outdoor Side Fig. 12

B. Line up the holes on the ends of the support legs to the holes on the outdoor legs and install the two tapered pins included in the hardware bag. Install the cotter pins to secure the tapered pins in place.

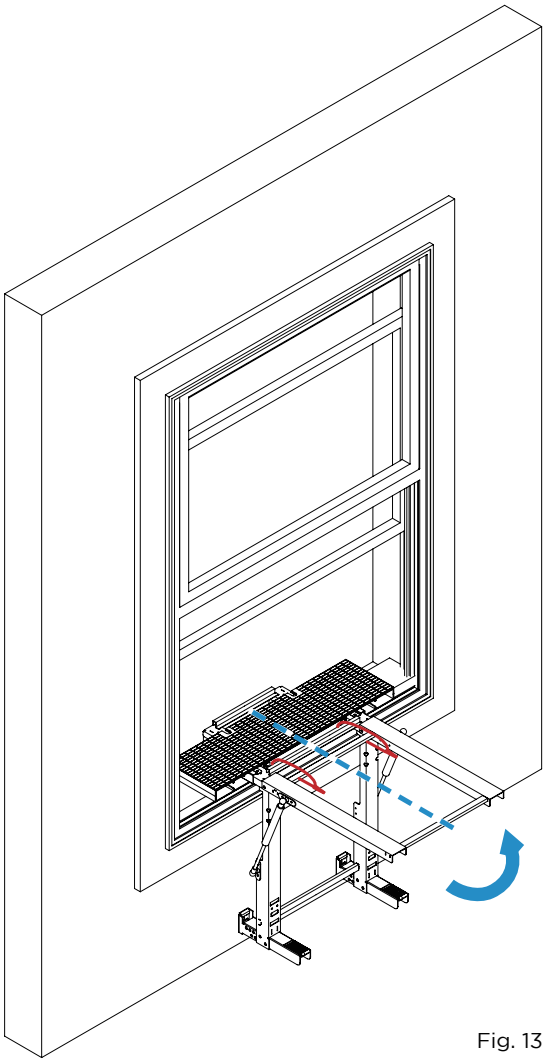


Fig. 13

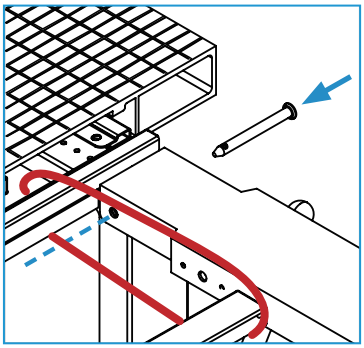


Fig. 13a

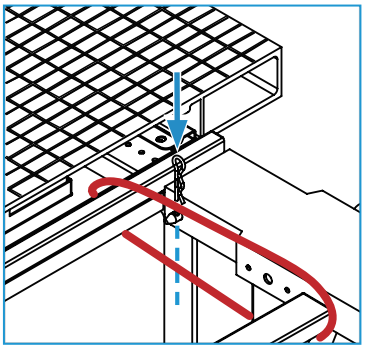


Fig. 13b

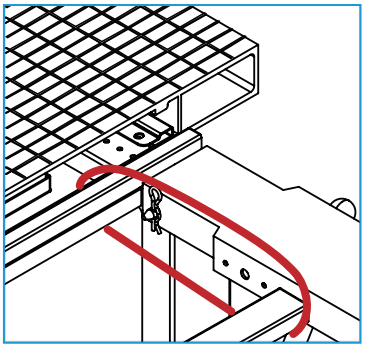


Fig. 13c

C. Once the tapered hinge pins have been installed and the support legs are secured in place, the remaining zip ties can be removed.

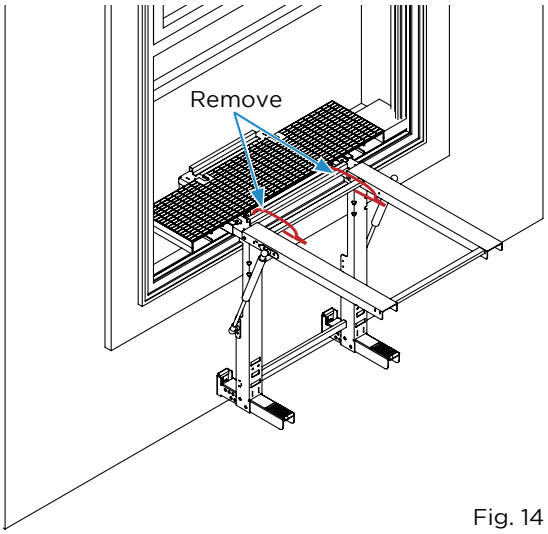


Fig. 14

5. Install the Unit

A. Measure the distance between the edge of the indoor component of the bracket and the hinge. Note this as the distance the unit must span to rest on the bracket.

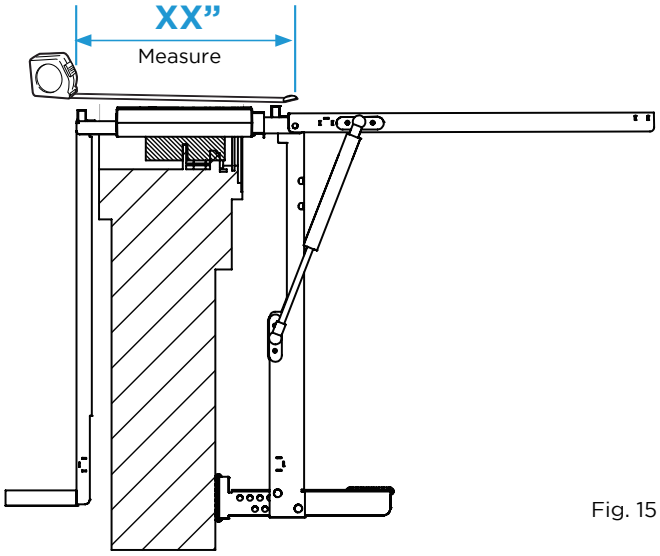


Fig. 15

B. Remove the screw found at this location on both sides of the unit. With the help of a second person, adjust the distance between the indoor and outdoor components according to the distance measured on the bracket. Secure the distance by replacing and tightening the screws.

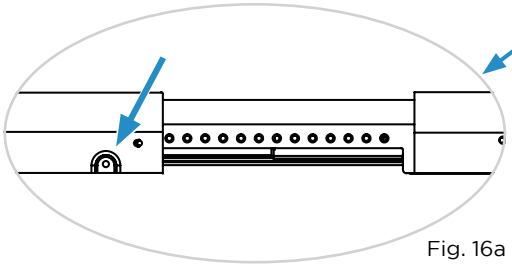


Fig. 16a

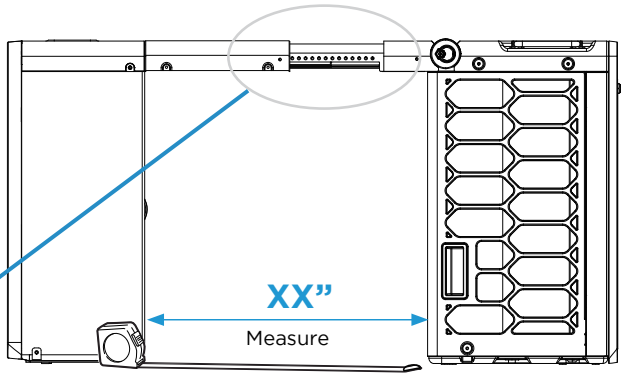


Fig. 16

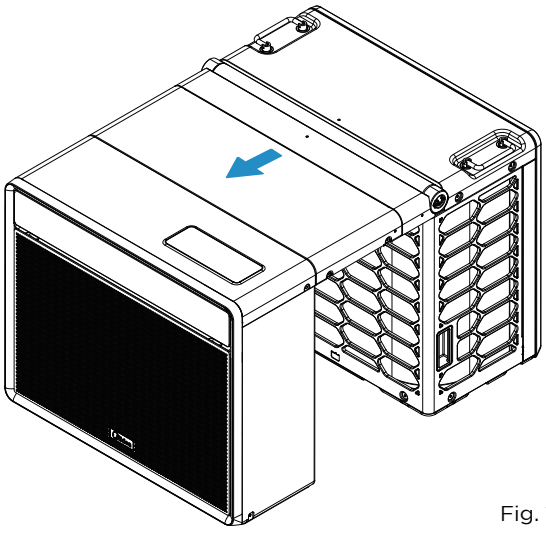


Fig. 17

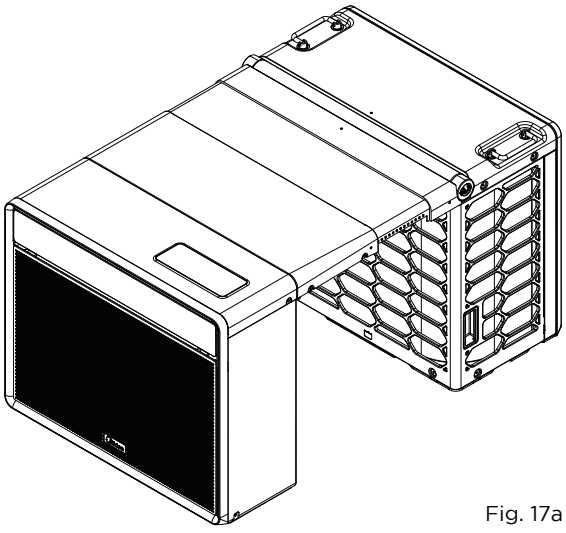
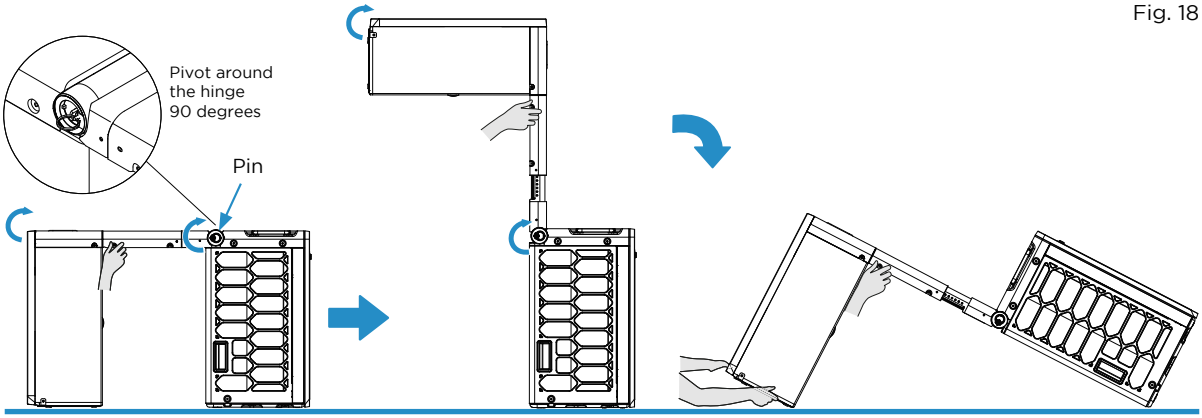


Fig. 17a

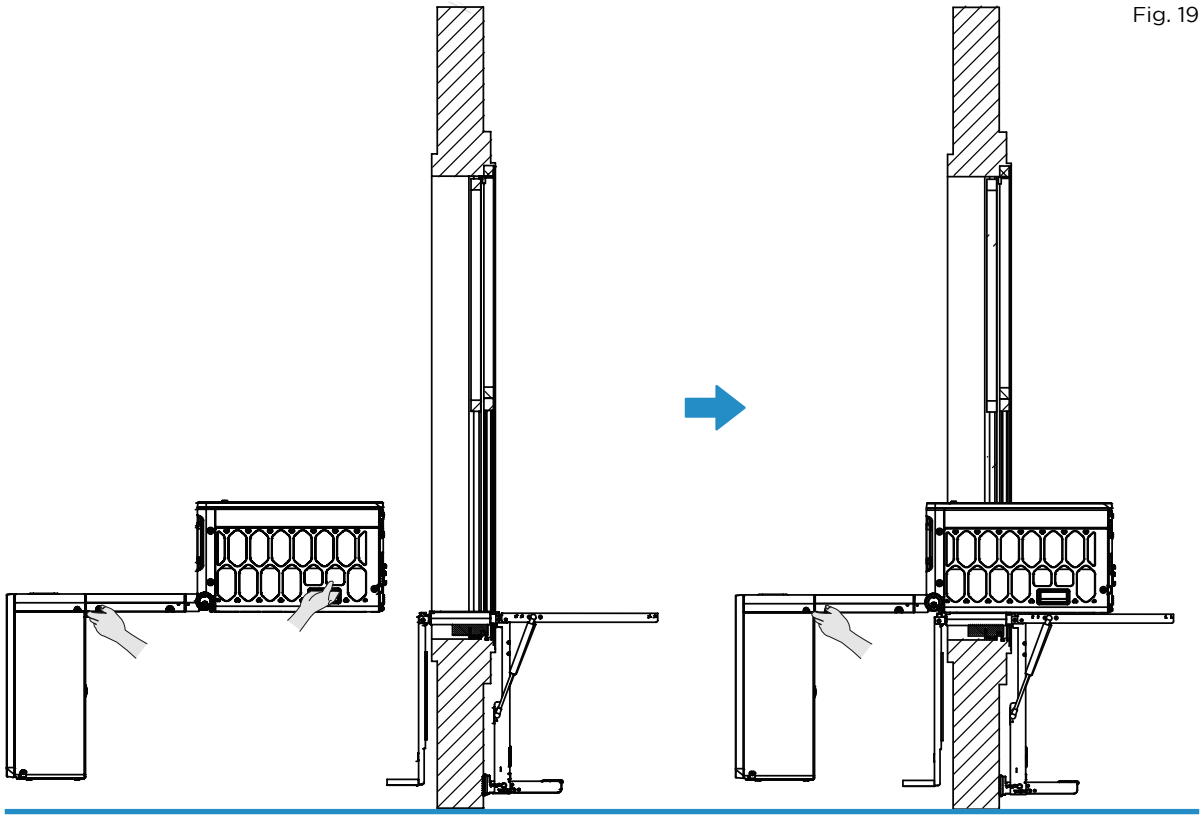
C. Unlock the unit by pulling the pin located at the hinge. With the pin pulled and with the help of a second person, carefully lift the indoor component of the unit to pivot around the hinge 90 degrees. Tilt the unit to lay it on the ground in this new configuration.

Fig. 18



D. Carefully, with the help of a second person, lift the unit by the bridge near the indoor component and the handhold on the outdoor component. It is best to have one person on either side of the unit, with each person lifting at both the indoor and outdoor sides. Carefully carry the unit to the window, placing the outdoor component of the unit onto the seat and the outdoor support legs of the bracket.

Fig. 19



E. Before pushing the unit further, keep one hand on the indoor component of the unit and with the other hand grab the handles on the top of the outdoor component.

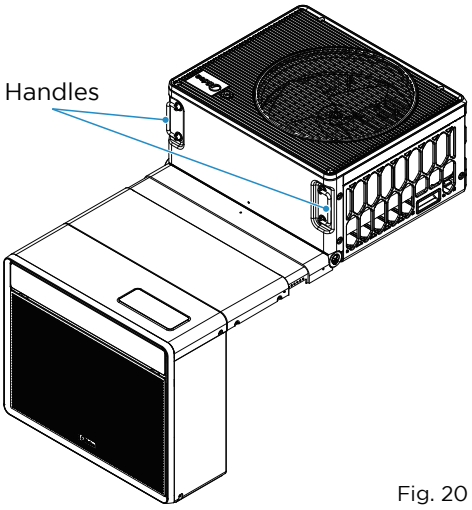


Fig. 20

⚠ WARNING

- Do not leave the unit unattended during installation.
- The outdoor unit should not be left horizontally on the seat of the bracket for more than 3 minutes to protect the compressor.

F. With a secure grip on the handles, continue to push the unit through the window. Once far enough, the weight of the unit will cause the Support Legs to rotate about the hinge. Gently lower the outdoor component of the unit down until the Support Legs rest against the outdoor component of the bracket.

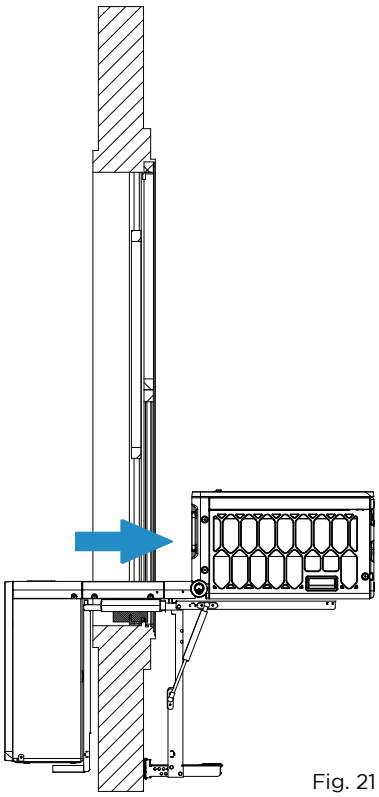


Fig. 21

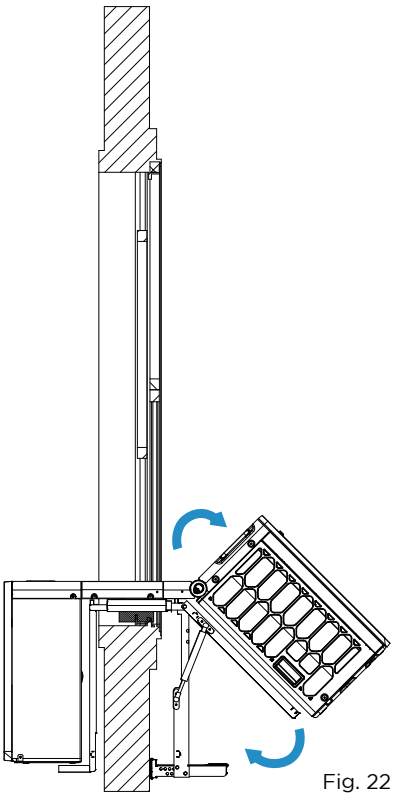


Fig. 22

NOTE

The Support Legs and outdoor component of the unit will be fully rotated when the unit is flat across the top.

Once fully rotated, the pin at the hinge will pop back into place and the unit will again be locked in this position.

After installing, it is recommended to let the unit stand for 10 minutes before turning it on.

The unit needs to be installed horizontally.

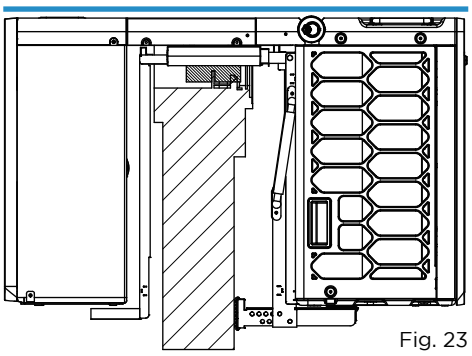


Fig. 23

6. Foam Installation

A. With the unit in place on the bracket, install the top sealing foam strip. Measure the distance from the unit to the window track on each side and cut the sides of the top sealing foam strip as needed.

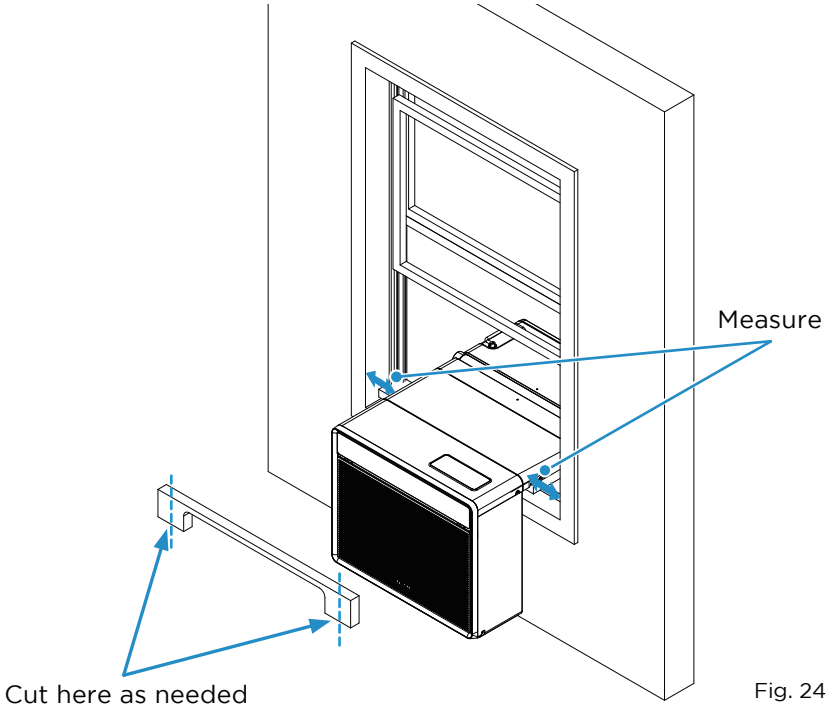


Fig. 24

B. With the top sealing foam strip cut to size, place it on top of the unit. Make sure that the sides of the foam strip are pressed into the window track so that the window will close directly onto the top sealing foam strip.

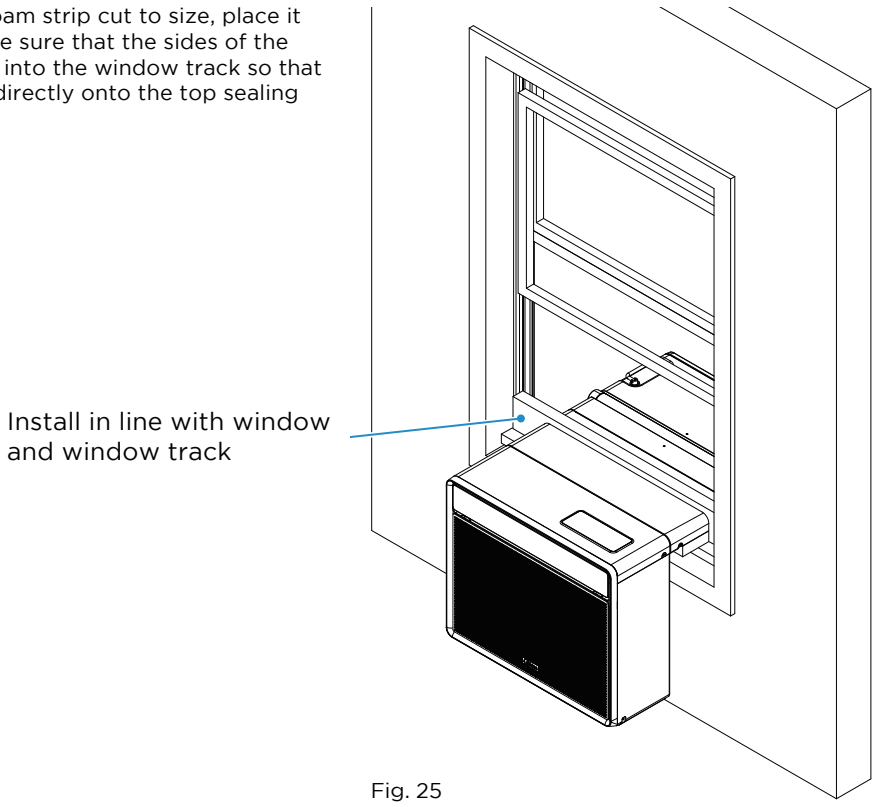


Fig. 25

C. Close the window and ensure all the foam seals are properly placed to seal around the unit. Using the adhesive foam, seal the space behind the open window sash. Fold the adhesive foam in half lengthwise to increase the thickness and add more layers of foam if needed to match the width of the gap between the window sashes. Press the foam into the gap to seal the window from any air leakage.

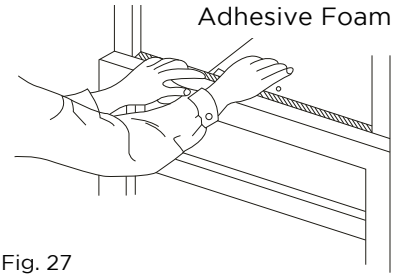


Fig. 27

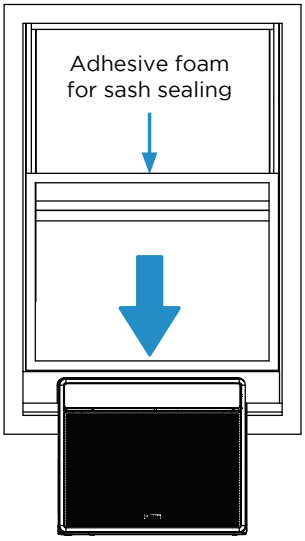


Fig. 26

D. If needed, use the remaining adhesive foam to seal any gaps around any of the foam sealing already installed.

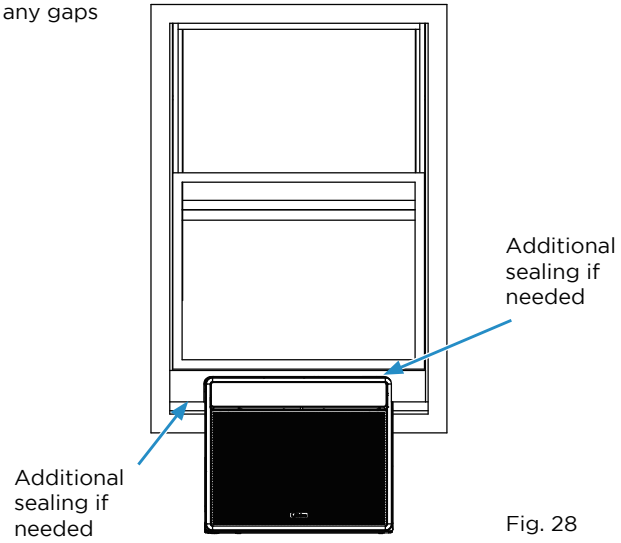


Fig. 28

E. Install the first window lock on the back windowpane in the center of the window. Ensure the front windowpane is lowered all the way onto the sealing kit. Remove the adhesive backing from the first plastic window lock and place the plastic window lock so that the hinge is just below the front window sash.

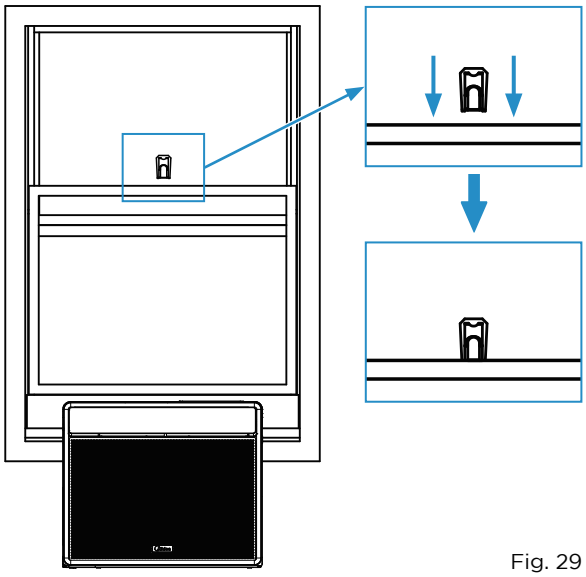


Fig. 29

F. Install the other two window locks on either side of the first, adhering again to the back windowpane. Make sure to install each lock with the hinge just below the front window sash.

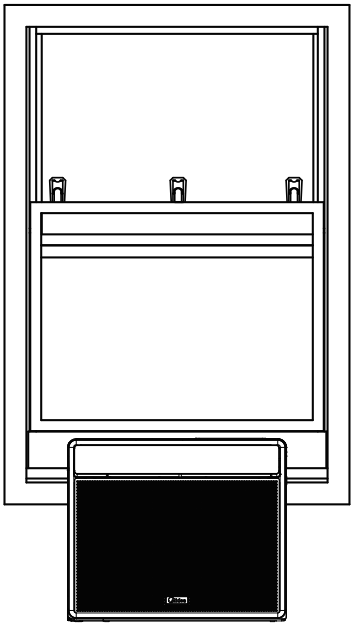


Fig. 30

G. Flip down the tab on all three window locks to secure the front window sash in place.

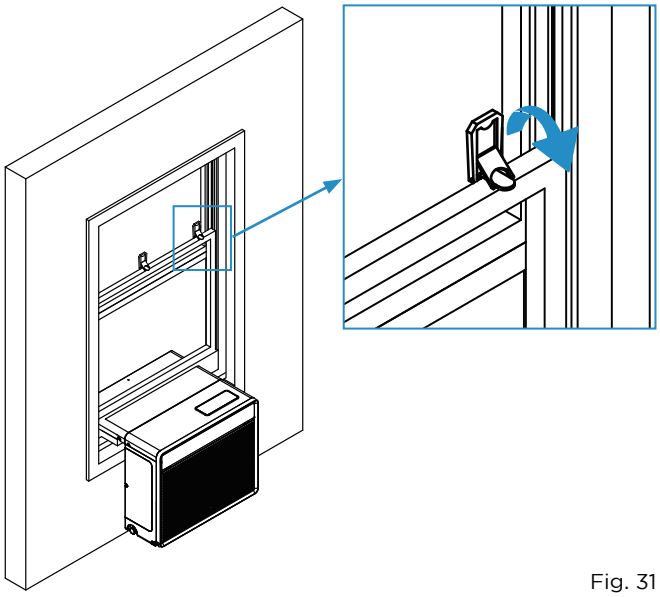


Fig. 31

H. Install the window lock to ensure the window stays closed during operation. Window locks can be attached to the back window sash frame or to the side of the window. Use 2 screws from the hardware bag to secure the window lock to the window frame, drilling 1/8" pilot holes into the frame beforehand if needed.

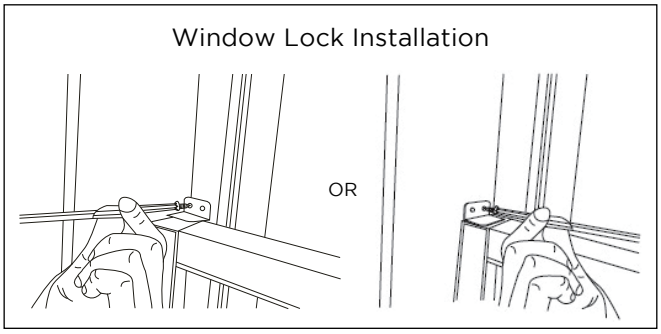
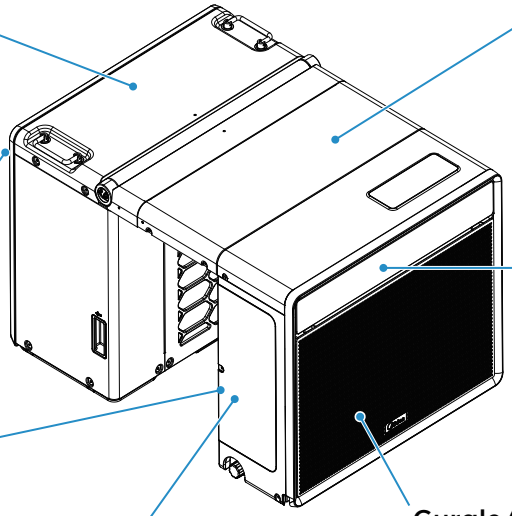


Fig. 32

OPERATION INSTRUCTIONS

Normal Sounds



High Pitched Chatter
High efficiency compressors may have a high pitched sound during cooling cycle.

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

Sound of Water Misting
A misting sound may be heard as a nozzle located on the outdoor side of the unit mists out any accumulated condensation.

Sound of Rushing Air
In front of the unit, you may hear the sound of rushing air being moved by the fan.

Humming Sound
A humming sound may be heard as the water pump removes excess condensate by pumping it to the nozzle.

Click Sound
A click sound may be heard when the unit enters a defrost cycle.

Gurgle/Hiss
Gurgling or hissing noises may be heard due to refrigerant flowing through evaporator during normal operation.

Sound Performance

The following table shows the sound performance data for these window units.
Please use your specific model number to reference the correct sound power number in the table.

Model Number	Sound Power, dB(A)*
MAH09S1AGR/MAH09H1AGR	39

** per ISO 3744 at low fan speed*

NOTE

All the illustrations in this manual are for explanation purpose only. The actual appearance may vary.

Unit Operation

⚠ WARNING

To reduce the risk of fire, electrical shock, or injury to people or property, read the SAFETY PRECAUTIONS before operating this appliance.

Cooling Operation	Outdoor temp.: 64°F ~ 122°F / 18°C ~ 50°C
	Indoor temp.: 60°F ~ 85°F / 16°C ~ 29°C
Heating Operation	Outdoor temp.: -13°F ~ 86°F / -25°C ~ 30°C
	Indoor temp.: 55°F ~ 85°F / 13°C ~ 29°C

NOTE

- The relative humidity of the room should be less than 80%. If the unit is used in a condition with a relative humidity over 80%, there will be condensed water on the surface of the unit.
- Performance may be reduced outside of these operating temperatures.

NOTE

Always wait 3 minutes when turning the unit off and then on again, or when changing between cool, fan, and heat. This prevents damage from occurring to the compressor.

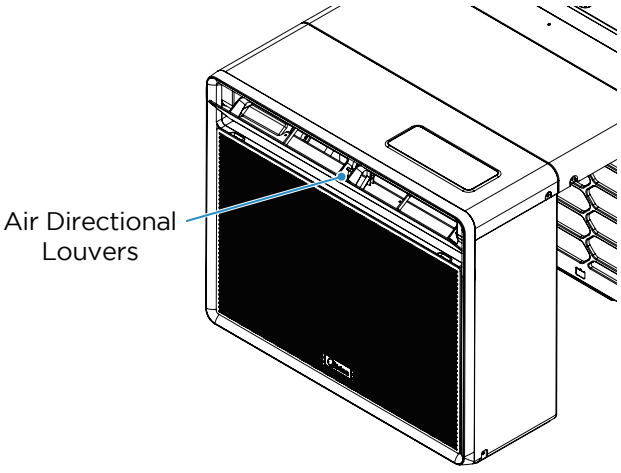
To begin operating the unit, follow these steps:

1. Plug in the unit (be sure to follow the power cord instructions).
2. Turn the power on to the unit, using the ON/OFF button.
3. Select either the Cool or Heat mode setting depending on preference and adjust the thermostat to the setting you find most comfortable.
4. Adjust the louver for comfortable air flow (see Air Directional Louvers).
5. Make sure the air flow inside and outside is not obstructed by anything.

Air Directional Louvers

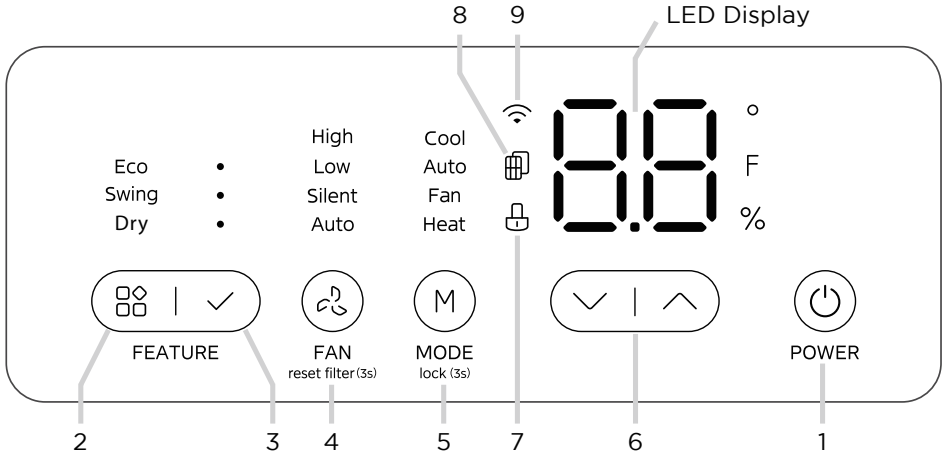
The louver will allow you to direct the air flow up or down as needed. Use the SWING button until the desired up/down direction is obtained.

Move the louvers from side to side by hand until the desired left/right direction is obtained.



ELECTRONIC CONTROL OPERATING INSTRUCTIONS

Before you begin, thoroughly familiarize yourself with the control panel as shown below and all its functions, then follow the symbol for the functions you desire. The unit can be controlled by the control panel, and, with units equipped with wireless, by the smart phone app.



			Description
1	⏻	Power Button	• Press to turn unit on or off.
2	◇	Feature - Scroll	• Press to scroll through available features.
3	✓	Feature - Select	• Press to toggle highlighted feature on/off.
4		Fan Speed / Check Filter Feature	• Press to select the Fan Speed in four steps – High, Low, Silent, Auto. • Press and hold for 3 sec to reset the cleaning filter reminder.
5	M	Mode Fuctions / Control Lock	• Press to choose operating mode in a sequence that goes from Heat, Auto, Cool, and Fan. • Press and hold for 3 sec to enable the control lock feature.
6	∨/∧	UP / DOWN Button	• Press to adjust set points for temperature and humidity.
7		Lock Icon	• Icon appears to indicate the UI control lock has been enabled.
8		Check Filter Icon	• Icon appears to indicate the air filter needs to be cleaned.
9		Connect Icon	• Icon appears to indicate the wireless module has been activated.

1. Power Button

Press Power button to turn unit on or off.

2. Feature - Scroll Button &

3. Feature - Select Button

- To choose a feature, press the Feature – Scroll button. Each time you press the button, a feature is selected in a sequence that goes ECO, Swing, and Dry. The current feature in the sequence will be illuminated.
- To enable the feature, press the Feature – Select button when the desired feature is illuminated. Pressing the Feature – Select button once will turn on the indicator light next to the feature name, indicating it is enabled. Press the Feature Select button again to disable the feature and turn the indicator light off. All features can be enabled at the same time.

DRY feature

- Enabling the Dry feature will display the room humidity on the LED display. Use the UP (∧) or DOWN (∨) button to choose the desired humidity. This feature can be enabled in Cooling mode.

SWING feature

Enabling the Swing feature will initiate the auto swing feature for the outlet louver. When the auto swing is on, disabling the SWING feature can stop the louver at the desired angle.

ECO feature

- Enabling the ECO feature will allow you to run the unit in an energy saver mode while operating on Auto and Cool modes.
- With the ECO feature enabled, the fan will continue to run for 3 minutes after the compressor shuts off upon reaching set temperature. The fan then cycles on for 2 minutes at 10-minute intervals until the difference between the room temperature and set temperature is 2°F, at which time the compressor turns back on and heating or cooling starts.

4. FAN SPEED Button

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

Check Filter Feature:

The Check Filter feature is a reminder to clean the air filter for a more efficient operation. The light above the button will illuminate after 250 hours of operation. After cleaning the filter, press the FAN button for 3 seconds to reset the Check Filter feature turning the light off.

Network Connection:

To connect the unit to wireless, press and hold the Power buttons simultaneously for 3 seconds. You will hear a beep and see the indicator light flash on the UI, indicating that the wireless module has been activated and you can connect to the app.

5. MODE Button

- To choose the operating mode, press the MODE button. Each time you press the button, a mode is selected in a sequence that goes from Heat, Auto, Cool, and Fan. The mode function will be illuminated and remain on once that mode is selected.
- The Control Lock Feature allows you to lock the UI, preventing accidental button presses on the UI from children or pets. Press and hold the MODE button for 3 seconds to activate the Control Lock feature. Press and hold the MODE button again for 3 seconds to turn off the Control Lock feature.

To operate on HEAT mode:

- Choose Heat Mode to set the heating function. Use the UP (∧) or DOWN (∨) buttons to choose the desired temperature. When Heat Mode is selected, the fan speed can be adjusted by pressing the fan button.

To operate on AUTO mode:

- When you set the unit to Auto mode, it will automatically select cooling, heating, or fan only operation, depending on what temperature you have selected and the current room temperature.
- The cooling mode will be selected when the room temperature is 4°F (2°C) above the selected set temperature. The heating mode will be selected when the room temperature is 4°F (2°C) below the selected set temperature. When the room temperature is less than 4°F (2°C) above or below the selected set temperature, the unit will run in fan only mode.
- The unit will automatically control the room temperature according to the temperature you've set.
- In this mode, the fan speed cannot be adjusted and is automatically controlled based on the temperature setting and room temperature.

To operate on COOL mode:

- Choose Cool Mode to set the cooling function. Use the UP (∧) or DOWN (∨) buttons to choose the desired temperature. When Cool Mode is selected, the fan speed can be adjusted by pressing the fan button.

To operate on FAN mode:

- Use this function only when heating or cooling is not desired, such as for room air circulation. You can choose any fan speed you prefer.
- In Fan Only mode, the temperature can not be adjusted, and the display will show the actual room temperature, not the set temperature as in the heating or cooling mode.

6. UP/DOWN Button

Press UP (∧) or DOWN (∨) button to change temperature setting.

Displays

LED Display:

Shows the set temperature in "°C" or "°F" and indication icons for the included features. 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".

To change between °F and °C, press and hold the UP (∧) and DOWN (∨) buttons at the same time for 3 seconds.



Error codes:

The unit may stop operation due to a malfunction with the unit. If this occurs, an error code may appear on the display.

Wait 10 minutes as the problem may resolve itself. If not, turn the unit off and unplug it, then plug the unit back in and restart it. If the problem persists, disconnect the power and contact customer service.

Please see Page 32 of this User Manual for a list of error codes associated with this unit.

NOTE

If the unit turns off unexpectedly due to the power being cut, it will automatically restart with the previous function setting when the power resumes.

CONNECTION INSTRUCTIONS

Declaration of Conformity

FCC ID: 2ADQOMDNA23
IC: 12575A-MDNA23

This device complies with Part 15 of the FCC Rules and industry Canada's licence-exempt RSSs.

Operation is subject to the following two conditions.
1. This device may not cause interference; and
2. This device must accept any interference, including interference that may cause undesired operation of the device.

Only operate the device in accordance with the instructions supplied. Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment. This device complies with FCC radiation exposure limits set forth for an uncontrolled environment. In order to avoid the possibility of exceeding the FCC radio frequency exposure limits, human proximity to the antenna shall not be less than 20cm (8 inches) during normal operation.

NOTE:
The equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipmwnt generates, uses and can radiate radio frequency and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:
- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and the receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

We hereby declare that this AC is in compliance with the essential requirements and other relevant provisions of RE Directive 2014/53/EU.

Specification of Wireless Module

Model: US-SK109	**Dimensions:** 1.6 x 0.9 x 0.2 (in)
Antenna Type: Printed PCB Antenna	**Operation Temperature:** 0°C ~ 45°C / 32°F ~ 113°F
Frequency: WLAN 2400-2483.5 MHz	**Operation Humidity:** 10% ~ 85%
Maximum Transmitted Power: <20 dBm Max	**Power Input:** DC 5V/500 mA

How to Use SmartHome App

⚠ Ensure that your mobile phone is connected to the wireless network. Bluetooth must be turned on.

STEP 1: Download the SmartHome App

Scan the QR code below to download the SmartHome app from the app store or search for it directly on the Google Play Store or Apple's App Store.

SmartHome

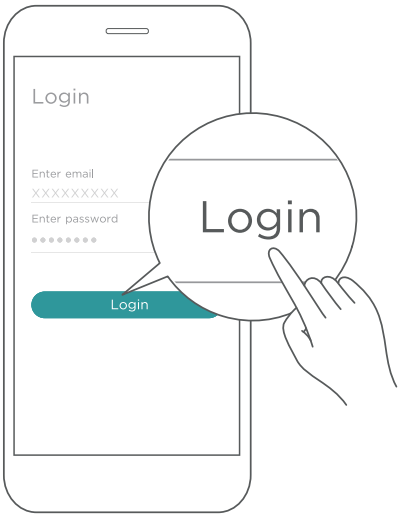
Download the app & activate product

Download on the App Store

GET IT ON Google Play

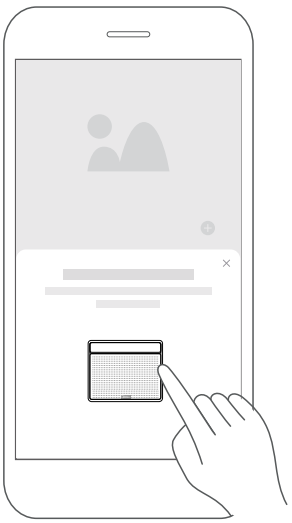
STEP 2: Log in

Open the SmartHome app. Log in directly if you have an existing SmartHome account or create a new account. Alternatively, you can also use a 3rd party login platform.



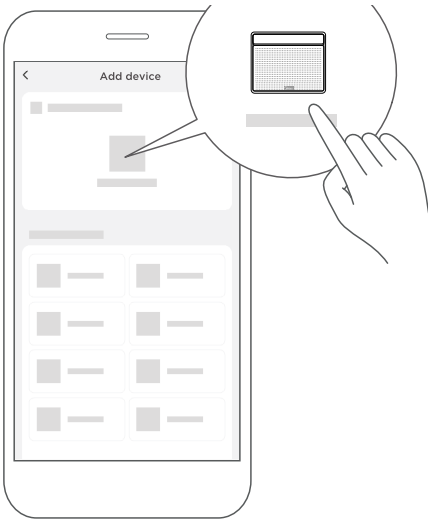
STEP 3: Connecting the Device

1) When you log in, you may see the message "Smart devices discovered nearby".
   Tap to add your device.

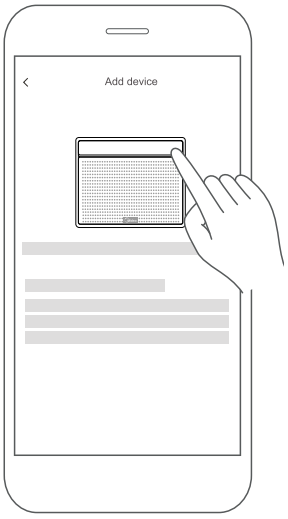


2) If no such message appears, proceed as follows: Tap on “+” and select your device in the list of nearby available devices.

   If your device is not listed, please add your device manually, rst selecting the device category e.g. Window AC.



3) Follow the steps in the app to connect your device to the wireless network. If your device fails to connect, follow the additional instructions in the app.

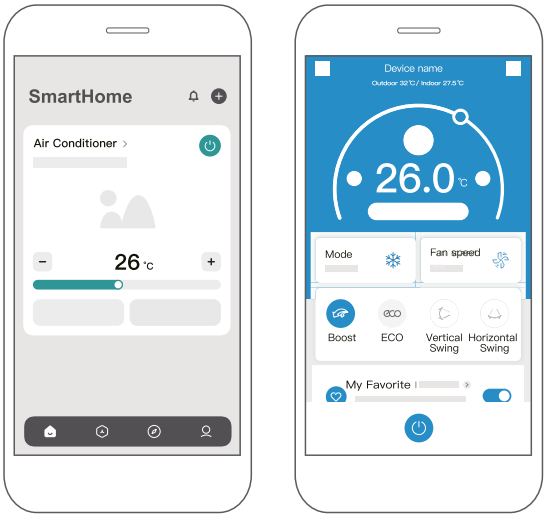


STEP 4: Controlling the Device

After pairing successfully, a card will be created for the device in the SmartHome app.

Shortcuts for basic functions will appear on the card such as changing the temperature or switching the device on or off.

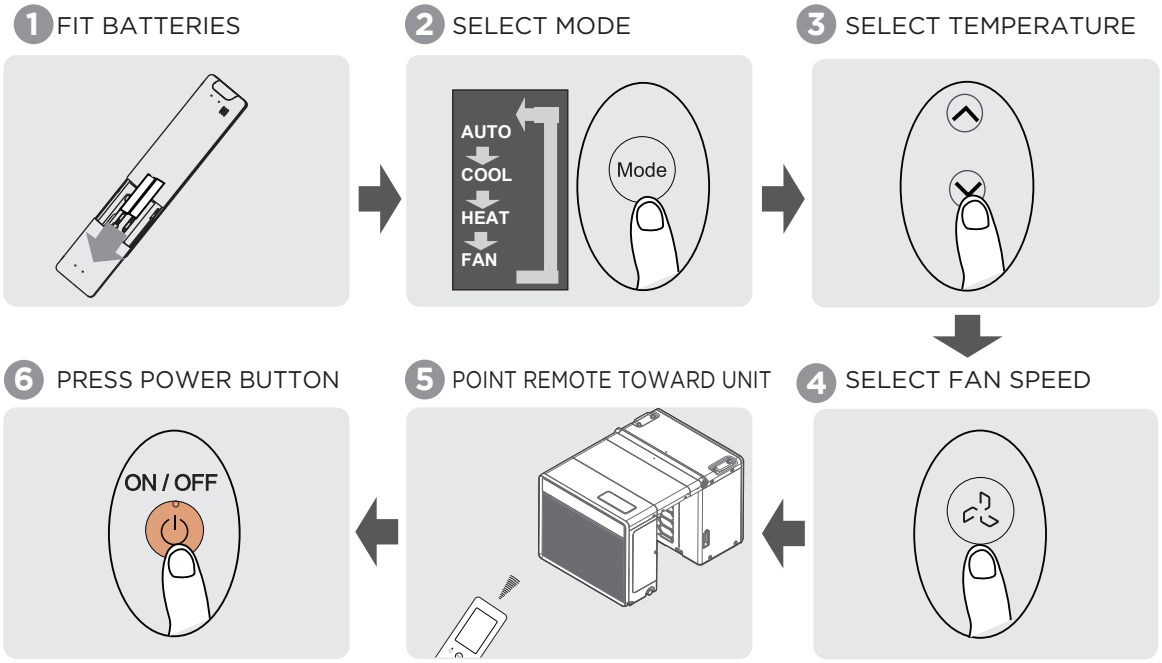
Tapping on the card, will reveal additional features and settings. The actual UI design may look different from examples due to app updates.



REMOTE CONTROL OPERATION

Model	RG10G6(B2)/BGEF RG10G6(B2)/BGCEF RG10G6(B2)/BGEFU1 RG10G6(B2)/BGCEFU1
Rated Voltage	3.0V(Dry batteries R03/LR03×2)
Signal Receiving Range	8m
Environment	-5°C~60°C(23°F~140°F)

Quick Start Guide



NOT SURE WHAT A FUNCTION DOES?

Refer to the How to Use Basic Functions and How to Use Advanced Functions sections of this manual for a detailed description of how to use your air conditioner.

SPECIAL NOTE

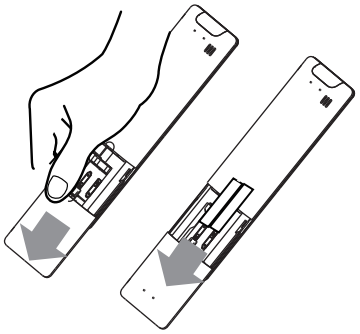
- Button designs on your unit may differ slightly from the example shown.
- If the indoor unit does not have a particular function, pressing the corresponding button on the remote control will have no effect.
- When there are wide differences between “Remote controller Manual” and “USER’S MANUAL” on function description, the description of “USER’S MANUAL” shall prevail.

Handling the Remote Controller

Inserting and Replacing Batteries

Your air conditioning unit may come with two batteries (some units). Put the batteries in the remote control before use.

1. Slide the back cover of the remote control downward, exposing the battery compartment.
2. Insert the batteries, matchup the (+) and (-) ends of the batteries with the symbols inside the battery compartment.
3. Slide the battery cover back into place.



Remote Control

- Direct sunlight can interfere with the infrared signal receiver.
- There must be a clear line of sight between the remote and the appliance.
- If the signals from the remote control happen to control another appliance, move the appliance to another location or contact customer service.

Battery Disposal

- Do not dispose of batteries as unsorted municipal waste. Refer to local laws for proper disposal of batteries.
- Batteries may have a chemical symbol below the disposal icon. This chemical symbol means that the battery contains a heavy metal that exceeds a certain concentration.
  An example is Pb: Lead (>0.004%).
- Appliances and used batteries must be treated in a specialized facility for reuse, recycling and recovery. By ensuring correct disposal, you will help avoid possible negative consequences for the environment and human health.



Pb

Battery Performance

For optimal product performance:

- Do not mix old and new batteries, or batteries of different brands.
- Do not leave batteries in the remote control if you don't plan on using the device for more than 2 months.

Notes For Using Remote Control

The device could comply with the local national regulations.

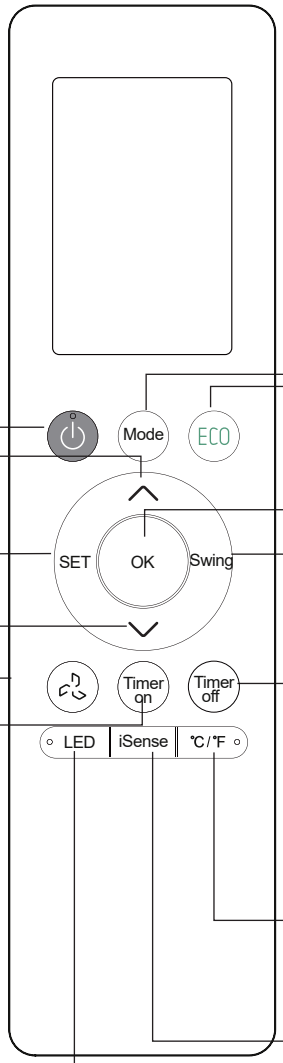
- In Canada, it should comply with CAN ICES-3(B)/NMB-3(B).
- In the USA, this device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:
  (1) This device may not cause harmful interference, and
  (2) This device must accept any interference received, including interference that may cause undesired operation.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.
- Changes or modifications not approved by the party responsible for compliance could void user's authority to operate the equipment.

Buttons and Functions

Before you begin using your new air conditioner, make sure to familiarize yourself with its remote control. The following is a brief introduction to the remote control itself. For instructions on how to operate your air conditioner, refer to the **How to Use Basic Functions** section of this manual.



ON/OFF
Turns the unit on or off.

TEMP ∧
Increases temperature in 1°F (1°C) increments. Max. temperature is 86°F (30°C).

SET
Scrolls through operation functions as follows:
SLEEP ( ) → AP mode( )...
The selected symbol will flash on the display area, press the OK button to confirm.

TEMP ∨
Decreases temperature in 1°F (1°C) increments. Min. temperature is 60 °F (16°C).
NOTE: Pressing ∨ & ∧ at the same time for 3 seconds will alternate the temperature display between the °C & °F.

FAN SPEED
Selects fan speeds in the following order:
AUTO→ SILENT→LOW →HIGH

TIMER ON
Sets timer to turn unit on (see How to Use Basic Functions for instructions).

LED
Turns on or off the LED display of the indoor unit, which creates a comfortable and quiet environment.

MODE
Scrolls through operation modes as follows: **AUTO → COOL→ HEAT→ FAN**

ENERGY SAVER
Activates the energy saving mode. Press it again to stop the function.

OK
Used to confirm the selected functions.

SWING
Starts and stops the horizontal louver movement.

TIMER OFF
Sets timer to turn unit off (See How to Use Basic Functions for instructions).

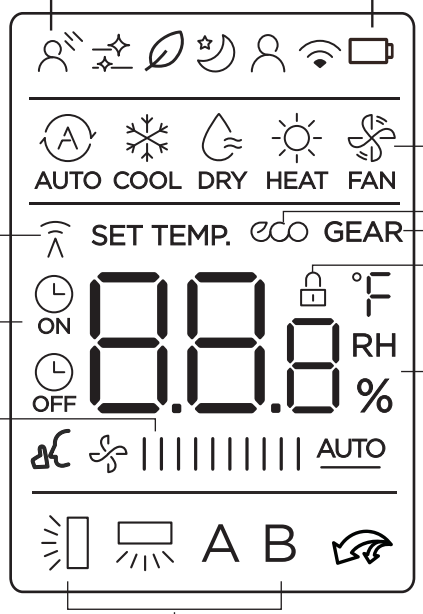
°C/°F
The temperature display between the °C & °F.

I SENSE
Activates the I SENSE mode.

Model: RG10G6(B2)/BGEF
RG10G6(B2)/BGCEF (HEAT mode is not available)
RG10G6(B2)/BGEFU1
RG10G6(B2)/BGCEFU1(HEAT mode is not available)

Remote Screen Indicators

Information is displayed when the remote controller is power up.



Breeze Away display

Active clean feature display

Fresh feature display

Sleep mode display

I Sense feature display

Wireless control feature display

Low battery detection display (If flashes)

Transmission Indicator
Lights up when the remote sends signal to the indoor unit.

MODE display
Displays the current mode, including:
AUTO COOL DRY HEAT FAN
NOTE: DRY mode is not available for this unit.

ON
TIMER ON display
OFF
TIMER OFF display

ECO display
Displays when ECO feature is activated.

GEAR display
Displays when GEAR feature is activated.

Silent feature display

LOCK display
Displays when LOCK feature is activated.

FAN SPEED display

Displays selected fan speed:

LOW

HIGH

AUTO

This fan speed can not be adjusted in AUTO or DRY mode.

Temperature/Timer/ Fan speed display
Displays the set temperature by default, or fan speed or timer setting when using TIMER ON/OFF functions.

- Temperature range: 16-30°C/60-86°F
- Timer setting range: 0-24 hours

This display is blank when operating in FAN mode.

Horizontal louver swing display

Vertical louver auto swing display

A
B
Not available for this unit

Note:
All indicators shown in the figure are for the purpose of clear presentation. But during the actual operation, only the relative function signs are shown on the display window.

How to Use Basic Functions

Basic operation

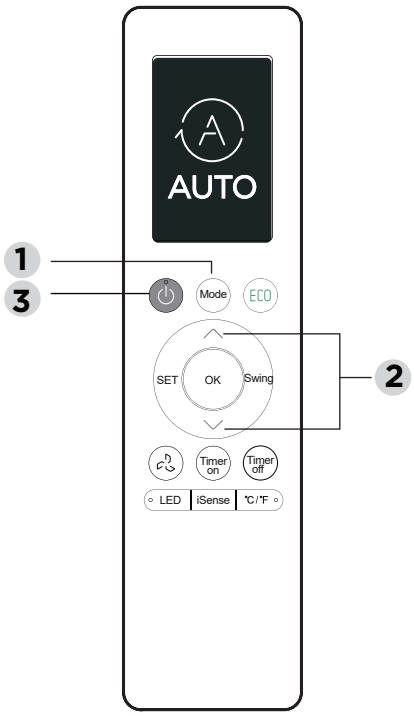
ATTENTION! Before operation, please ensure the unit is plugged in and power is available.

Setting temperature

The operating temperature range for units is 60-86°F (16-30°C).

You can increase or decrease the set temperature in 1°F (1°C) increments.

AUTO Mode

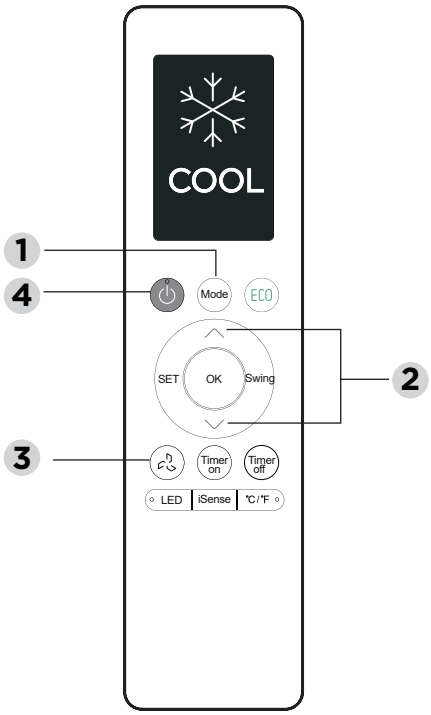


In AUTO mode, the unit will automatically select the COOL, FAN, or HEAT function based on the set temperature.

1. Press the **MODE** button to select **AUTO**.
2. Set your desired temperature using the **TEMP** ∧ or **TEMP** ∨ button.
3. Press the **ON/OFF** button to start the unit.

NOTE: FAN SPEED can't be set in AUTO mode.

COOL Mode



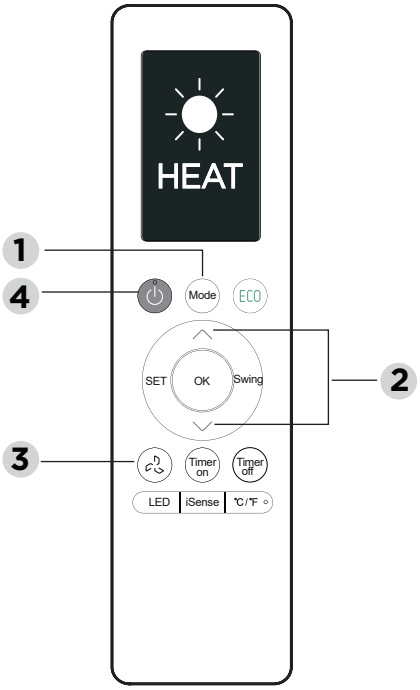
1.Press the **Mode** button to select **COOL** mode.

2.Set your desired temperature using the **TEMP** ∧ or **TEMP** ∨ button.

3.Press **FAN** button to select the fan speed: AUTO, SILENT, LOW, HIGH.

4.Press the **ON/OFF** button to start the unit.

HEAT Mode



1.Press the **Mode** button to select **HEAT** mode.

2.Set your desired temperature using the **TEMP** ∧ or **TEMP** ∨ button.

3.Press **FAN** button to select the fan speed: AUTO, SILENT, LOW, HIGH.

4.Press the **ON/OFF** button to start the unit.

NOTE: As outdoor temperature drops, the performance of your unit's HEAT function may be affected. In such instances, we recommend using this air conditioner in conjunction with other heating appliances.

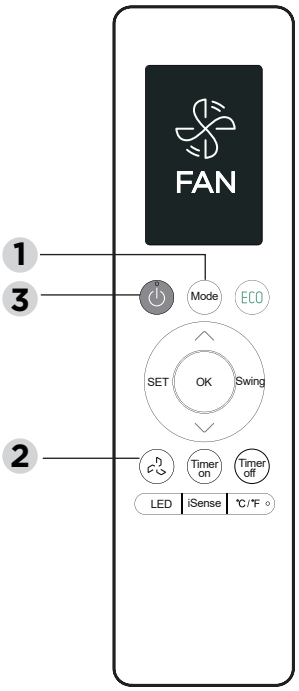
FAN Mode

1.Press the MODE button to select FAN mode.

2.Press FAN button to select the fan speed: AUTO, SILENT, LOW, HIGH.

3.Press the ON/OFF button to start the unit.

NOTE: You can't set temperature in FAN mode. As a result, your remote control's LCD screen will not display temperature.

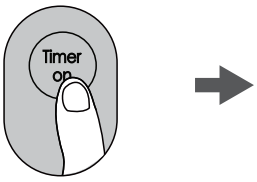


Setting the timer

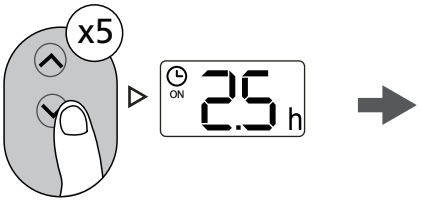
Timer on/off - Set the amount of time after which the unit will automatically turn on/off.

Timer on setting

Press TIMER ON button to initiate the on-time sequence.



Press up or down button for multiple times to set the desired time to turn on the unit.

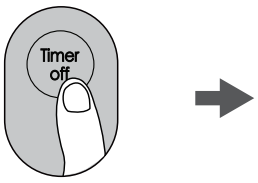


Point remote to unit and wait for 1 second, the TIMER ON will be activated.

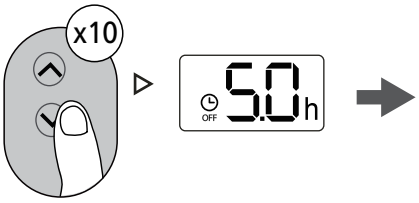


Timer off setting

Press TIMER OFF button to initiate the off-time sequence.



Press Temp. up or down button for multiple times to set the desired time to turn off the unit.



Point remote to unit and wait for 1 second, the TIMER OFF will be activated.

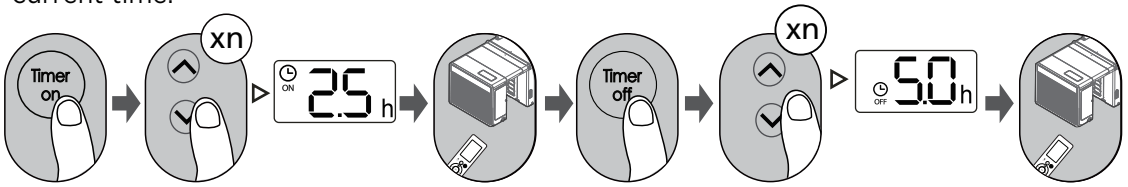


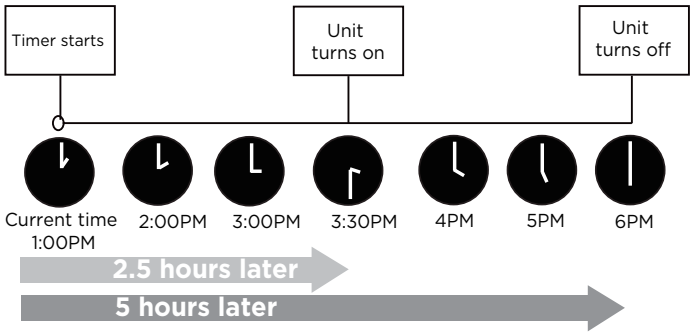
NOTE:

1. When setting the TIMER ON or TIMER OFF, the time will increase by 30-minutes increments with each press, up to 10 hours. After 10 hours and up to 24, it will increase in 1-hour increments. (For example, press 5 times to get 2.5h, and press 10 times to get 5h.) The timer will revert to 0.0 after 24.
2. Cancel either function by setting its timer to 0.0h.

Timer on & off setting (example)

Keep in mind that the time periods you set for both functions refer to hours after the current time.

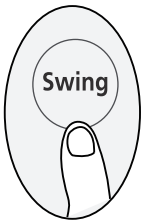




Example: If the current time is 1:00 PM, following the steps above will result in the unit turning on 2.5 hours later at 3:30 PM and turning off at 6:00 PM.

How to Use Advanced Functions

Swing function



Press Swing button

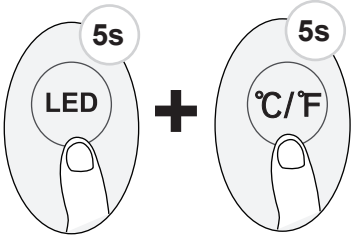
The horizontal louver will swing up and down automatically when pressing Swing button. Press again to make it stop.

ECO function



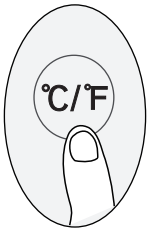
Press ECO button to turn on this function. This function is available in COOL, AUTO modes.

LOCK function



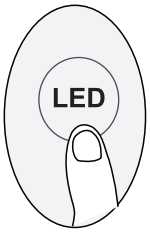
Press **LED** button and **°C/°F** button at the same time more than 5 seconds to activate Lock function. All buttons will not response except pressing these two buttons for two seconds again to unlock.

°C/°F function



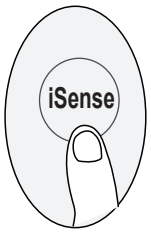
Press this button will alternate the temperature display between the °C & °F.

LED DISPLAY



Press LED button to turn on or off the display on the indoor unit.

I SENSE function

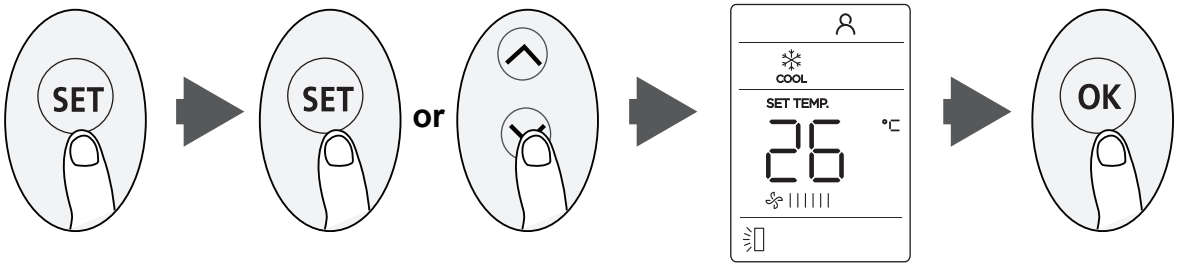


The I SENSE function enables the remote control to measure the temperature at its current location and send this signal to the air conditioner every 3 minutes interval. When using AUTO, COOL or HEAT modes, measuring ambient temperature from the remote control(instead of from the indoor unit itself) will enable the air conditioner to optimize the temperature around you and ensure maximum comfort.

NOTE: Press and hold **I SENSE** button for seven seconds to start/stop memory feature of **I SENSE** function.

- If the memory feature is activated, "**On**" displays for 3 seconds on the screen.
- If the memory feature is deactivated, "**OF**" displays for 3 seconds on the screen.
- While the memory feature is activated, press the **ON/OFF** button, shift the mode or power failure will not cancel the **I SENSE** function.

SET function



- Press the SET button to enter the function setting, then press SET button, TEMP ∨ or TEMP ∧ button to select the desired function. The selected symbol will flash on the display area, press the OK button to confirm.
- To cancel the selected function, just perform the same procedures as above.
- Press the SET button to scroll through operation functions as follows:
  SLEEP (☾) → AP mode(ᯤ)

Sleep function (☾) :

The SLEEP function is used to save energy while you sleep (and don't need the same temperature settings to stay comfortable). This function can only be activated via remote control.

For the details, please see "sleep operation " in " USER'S MANUAL".

NOTE: The SLEEP function is not available in FAN or DRY mode.

AP function (ᯤ):

Choose AP mode to configure wireless network. For some units, you cannot enter the AP mode by pressing the SET button. To enter the AP mode, try pressing the LED button 7 times in 10 seconds.

CLEANING AND MAINTENANCE

⚠ CAUTION

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

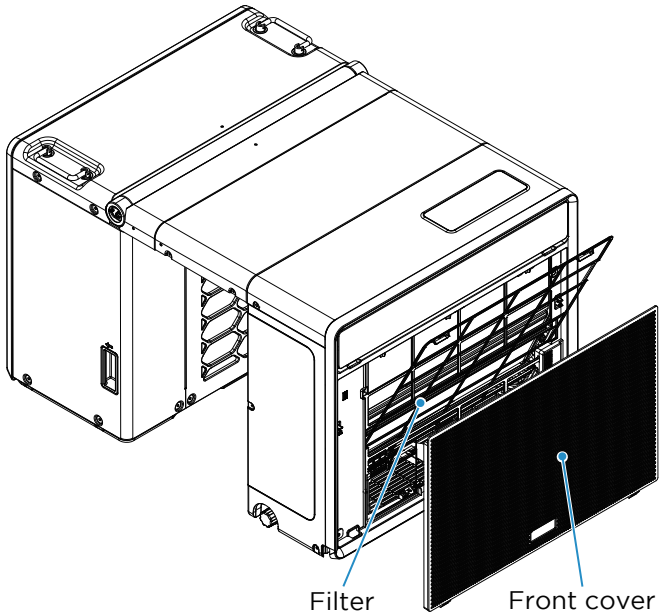
Air Filter Cleaning

The air filter should be checked at least once every two weeks to see if cleaning is necessary. Trapped particles in the filter can build up and reduce performance.

- Remove the front cover on the indoor side of the unit.
- Grasp the filter by the center and pull up and out.
- Wash the filter using warm water. Rinse filter thoroughly.
- Gently shake excess water from the filter. Be sure the filter is thoroughly dry before replacing.
- Instead of washing, you may also 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.



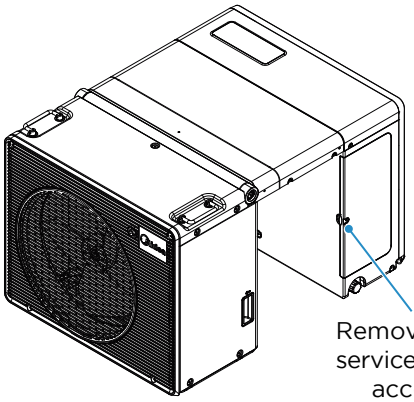
Cabinet Cleaning

- Be sure to unplug the unit 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 cleansers, wax, or polish on the unit.
- Be sure to wring excess water from the cloth before wiping around the controls. Excess water in or around the controls will cause damage to the unit.
- Plug in unit.

Pump Filter Cleaning

The pump filter screens should be cleaned every 6 months by qualified service personnel, or if the EH4b or EH0E error codes are displayed on the UI.

- Turn off the unit. Remove the service panel on the side of the unit by removing the screw.
- Remove the filter screens by grabbing each screen by the plastic frame and pulling up.
- Rinse the pump filter screens with warm water to remove any dust or debris that may have collected. Instead of rinsing, you can also wipe the screen with a clean, wet cloth to remove any dust or debris.

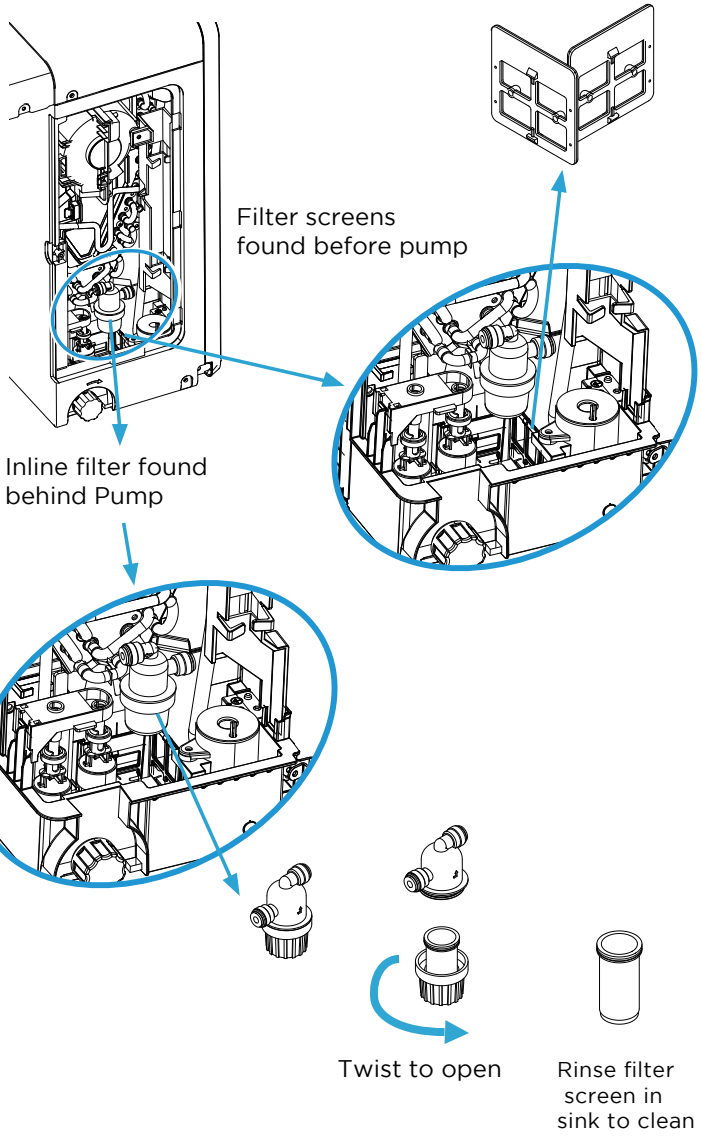


NOTE

If the pump is running continuously or excessive noise from the pump is heard, remove, clean, and reinstall filter screens. Ensure error codes are cleared.

The inline filter should be cleaned once a year by qualified service personnel, or if the EH4b or EH0E error codes are displayed on the UI.

- With the service panel removed, the inline filter can be found at the back of the service compartment.
- The inline filter will be connected into the condensate pipeline moving condensate from the condensate pans to the spray nozzle. To clean the filter, there is no need to remove the tubing from either side of the filter.
- Open the filter housing by twisting the bottom half counterclockwise, taking care to note there may be residual condensate in the housing.
- The filter screen can be removed from the housing and rinsed in a sink to clear any debris that might have collected on the screen.
- Reinstall the filter screen into the housing, and make sure the bottom half of the housing is secured tightly.



NOTE

Filter may be rotated upside down in the compartment of the unit. When referencing the cleaning instructions, note the “top” of the filter as the end containing the tubing connections, and the “bottom” as the free end.

TROUBLESHOOTING

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

Problem	Solution
Unit does not start.	Wall plug disconnected. Push plug firmly into wall outlet.
	Circuit breaker tripped. Reset circuit breaker.
	Check if the light on the plug is on. If it is off, press the RESET button.
	Power is OFF. Turn power ON.
	Unit turned off and then on quickly. Turn unit off and wait 3 minutes before restarting.
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 sensor behind the air filter is touching the cold coil. Try to move it so it does not contact the cold coil.
	Reset to a lower temperature.
	Compressor shut-off by changing modes. Wait approximately 3 minutes and listen for compressor to restart when set in the Cool mode.
	Check for potential obstructions blocking the outdoor intake/exhaust. Clear any obstructions.
Air from unit does not feel warm enough.	Outside temperature above 75°F (24°C). Heating may not occur until outdoor temperature falls below 75°F (24°C).
	Temperature sensor behind the filter is touching the hot coil. Try to move it so that it does not contact the hot coil.
	Reset to a higher temperature.
	Compressor shut-off by changing modes. Wait approximately 3 minutes and listen for compressor to start when set in the Heat mode.
	Check for potential obstructions blocking the outdoor intake/exhaust. Clear any obstructions.
Unit cooling, but room is too warm - ice forming on cooling coil behind air filter.	Outdoor temperature below 64°F (18°C). To defrost the coil, set to 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
Unit cooling, but room is too warm - NO ice forming on cooling coil behind air filter.	Dirty or restricted air filter. Clean filter. Refer to Care and Cleaning section. To defrost, set to FAN ONLY mode.
	Temperature is set too high, set temperature to a lower setting.
	Air directional louvers positioned improperly. Position louvers for better air distribution.
	Front of unit is blocked by drapes, blinds, furniture, etc. - restricts air distribution. Clear obstruction in front of unit.
	Any open doors, windows, or vents may allow cold air to escape. Close any doors, windows, or vents.
	The room may be too warm. Allow additional time to remove “stored heat” from walls, ceiling, floor and furniture.
Unit heating, but room is too cold.	Ice forming on outdoor coil. Allow unit to go through automatic defrost cycle. Listen for a “click” that indicates the unit has entered a defrost cycle. Defrost cycle will run for 15 minutes or until coil has been defrosted.
	Air filter may be dirty. Clean filter. Refer to Care and Cleaning section.
	Temperature is set too low, set temperature to a higher setting.
	Air directional louvers positioned improperly. Position louvers for better air distribution.
	Front of unit is blocked by drapes, blinds, furniture, etc. – restricts air distribution. Clear obstruction in front of unit.
	Any open doors, windows, or vents may allow warm air to escape. Close any doors, windows, or vents.
	The room may be too cold. Allow additional time for heat to be absorbed by walls, ceiling, floor and furniture.
Unit 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.
	Check for potential obstructions blocking the outdoor intake/exhaust. Clear any obstructions.
Noise when unit is heating or 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.

Problem	Solution
Humming noise heard from inside of service panel.	Filter screens may require cleaning. Turn off the unit and remove any debris from the pump filter screens following the instructions on page 33. Reinstall filter screens before starting unit.
Indoor pump runs continuously.	Filter screens may require cleaning. Turn off the unit and remove any debris from the pump filter screens following the instructions on page 33. Reinstall filter screens before starting unit.
Water dripping OUTSIDE when unit is cooling.	Unit removing large quantity of moisture from humid room. This is normal during excessively humid days.
Water spraying OUTSIDE when unit is heating.	Unit removing condensate collected from defrost cycles. This is normal operation on heating mode.
Room too cold.	Temperature setting too low. Increase temperature setting.
Room too warm.	Temperature setting too high. Decrease temperature setting.
Noise when unit starts.	A high-pitched noise may occur for 3 seconds when the unit is turned on or a few minutes after the mode is changed due to the compressor starting. This is normal.
“Click” sound in heating mode.	A “click” may be heard periodically when the unit is in heating mode, at the beginning of each defrost cycle. This is normal.
Outdoor unit water level switch fault.	Please restart the machine. If the fault code still appears, please contact a qualified professional for repair.

ERROR CODES

Error codes	Description
EH00	Display board / UI error
EH03	Indoor fan speed out of range
EC07	Outdoor fan speed out of range
EC51	Main board error
EC52	Outdoor coil temperature sensor (T3) error
EC53	Outdoor air temperature sensor (T4) error
EC54	Compressor temperature sensor (TP) error
EH60	Room air temperature sensor (T1) error
EH61	Indoor coil temperature sensor (T2) error
EH0b	Communication error between main board and display board
EL0C	Refrigerant leak detection
PC01	Over or under voltage protection
PC04	Inverter compressor drive error
EH4b	Indoor water system error – low level float switch
EC81	Outdoor water system error – low level float switch
EH0E	Indoor water system error – high level float switch
EC80	Outdoor water system error – high level float switch

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