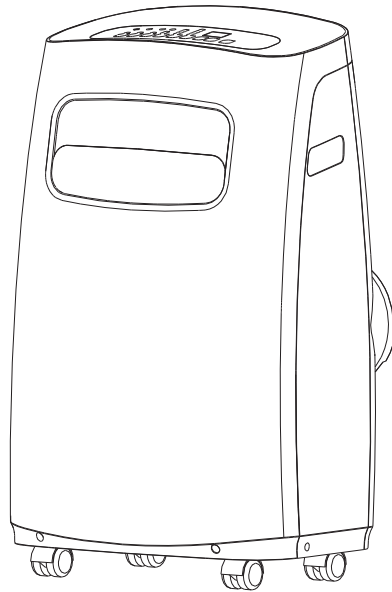




~~OWNER'S MANUAL~~
PORTABLE AIR CONDITIONER



**MODEL: OBZ-12NPF
OBZ-14NPF**

SERVICE NUMBER (1-866-277-7878)

WWW.OCEANBREEZECOMFORT.COM

Thank you for purchasing our Portable Air Conditioner.

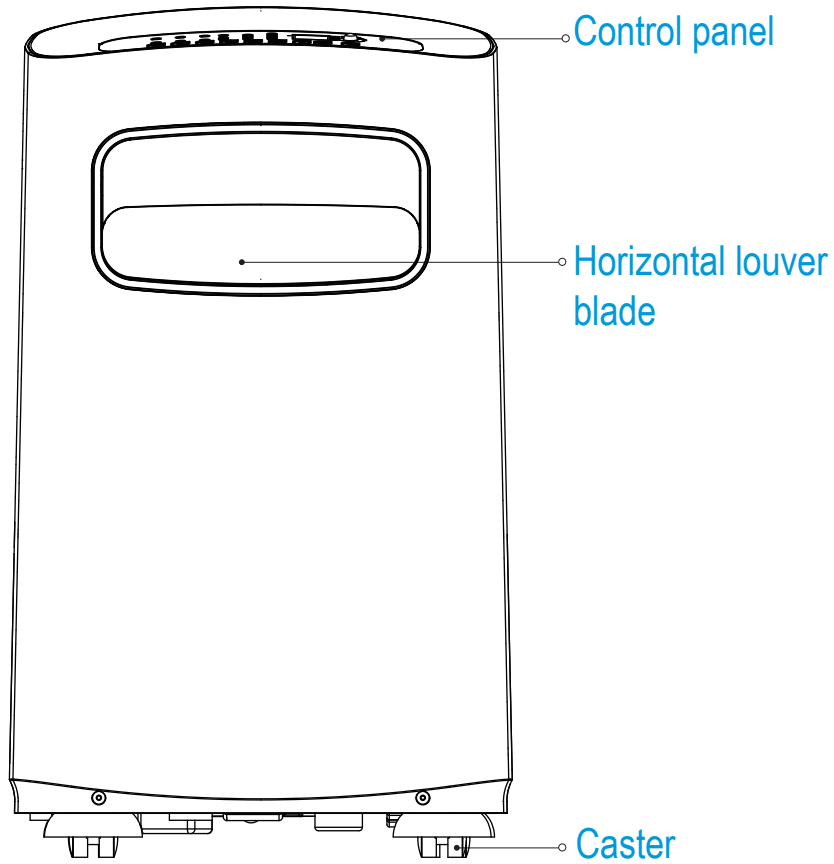
Read this owner's manual thoroughly before operating the appliance and keep it handy for reference at all times.

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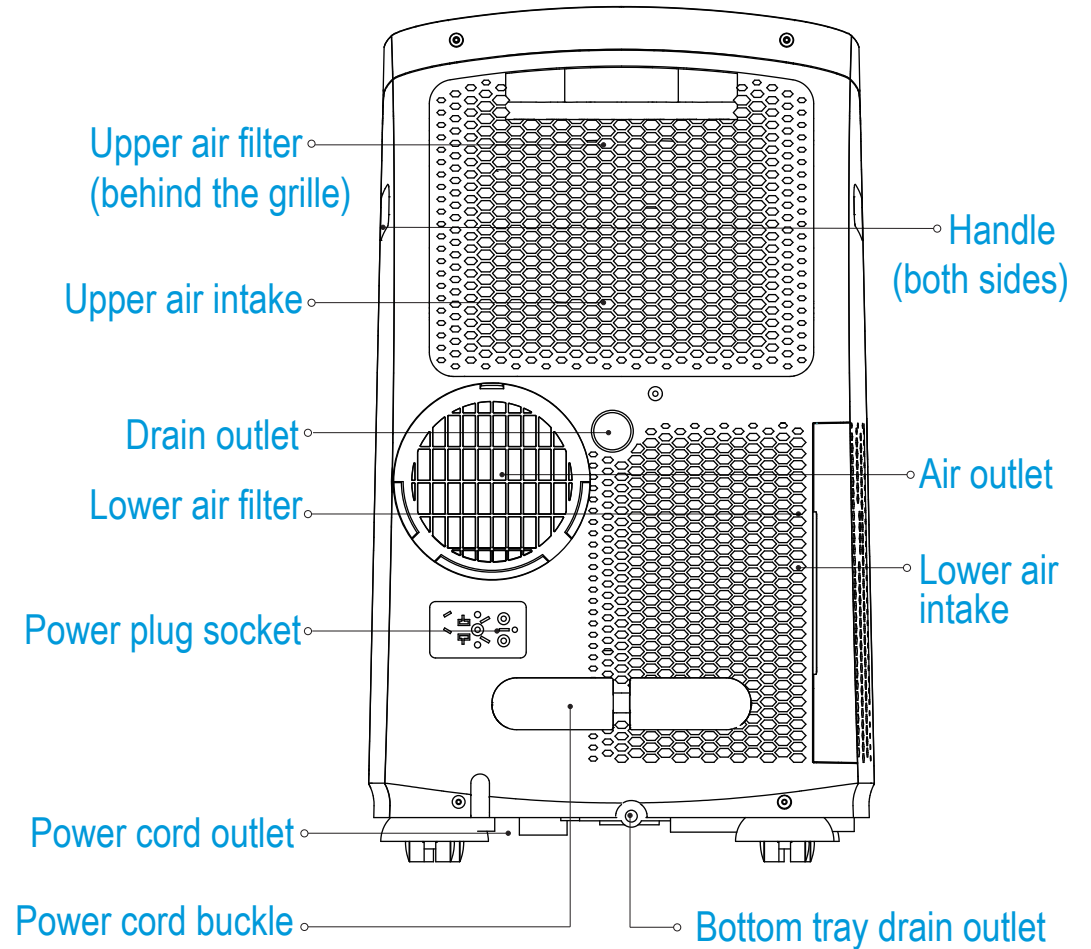
Read This Manual

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

Preparation



FRONT



REAR

Note: The upper air filter is integrated into the cover.

| Safety Precautions

Please read through these instructions before you start the installation process. Improper installation can cause damage to the unit, your personal property, and also poses a personal safety hazard.

- Installation must be performed according to the installation instructions. Improper installation can cause water leakage, electrical shock, or fire.
- Use only the included accessories and parts, and specified tools for the installation. Using non-standard parts can cause water leakage, electrical shock, fire, and injury or property damage.
- Make sure that the outlet you are using is grounded and has the appropriate voltage. The power cord is equipped with a three-prong grounding plug to protect against shock. Voltage information can be found on the side of the unit, behind the grille.
- Install the unit on a flat, sturdy surface. Failure to do so could result in damage or excessive noise and vibration.
- The unit must be kept free from obstruction to ensure proper function and to mitigate safety hazards.
- 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.

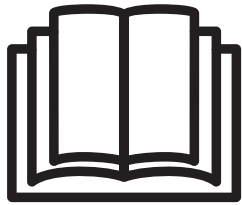
- DO NOT install your air conditioner in a wet room such as a bathroom or laundry room. Too much exposure to water can cause electrical components to short circuit.
- DO NOT install the unit in a location that may be exposed to combustible gas, as this could cause a fire.
- The unit has wheels to facilitate movement. Make sure not to use the wheels on thick carpet or to roll over objects, as this could cause the unit to fall.
- DO NOT operate the unit that has been dropped or damaged.
- DO NOT allow children to play with the air conditioner. Children must be supervised around the unit at all times.
- If the air conditioner is knocked over during use, turn off the unit and unplug it from the main power supply immediately. Visually inspect the unit to ensure there is no damage. If you suspect the unit has been damaged, contact a technician or customer service for assistance.
- During a thunderstorm, the power must be cut off to avoid damage to the machine due to lightning.

WARNING: (for using R290/R32 refrigerant only)

- 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 (for example: an operating electric heater) close to the appliance. The appliance shall be stored in a room without continuously operating ignition sources (for example: open flames, an operating gas appliance, or an operating electric heater).
- Do not pierce or burn.
- Be aware that the refrigerants may not contain an odor.
- 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.
- A warning that 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.
- 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.
- 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.

Safety Precautions





- Please follow the instruction carefully to handle, install, clear, service the air conditioner to avoid any damage or hazard. Flammable Refrigerant R32 is used within air conditioner. When maintaining or disposing the air conditioner, the refrigerant (R32 or R290) shall be recovered properly, shall not discharge to air directly.
- No open fire or device like switch which may generate spark/arcing shall be around air conditioner to avoid causing ignition of the flammable refrigerant used. Please follow the instruction carefully to store or maintain the air conditioner to prevent mechanical damage from occurring.
- Flammable refrigerant -R32 is used in air conditioner. Please follow the instruction carefully to avoid any hazard.



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



Caution: Risk of fire/
flammable materials
(Required for R32/R290 units only)

	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.

| Safety Precautions

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 equipment should be in accordance with the manufacturer's instructions.

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 minimised. 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 minimise the risk of a flammable gas or vapour 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 refrigerant 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 on 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 refrigeration 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

| Safety Precautions

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 refrigeration equipment

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

The charge size 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;

Refrigeration 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 are no live electrical components and wiring exposed while charging, recovering, or purging the system;
That there is continuity of earth bonding.

7. Repairs to sealed components

1) During repairs to sealed components, all electrical supplies shall be disconnected from the equipment being worked upon prior to any removal of sealed covers, etc. If it is absolutely necessary to have an electrical supply to equipment during servicing, then a permanently operating form of leak detection shall be located at the most critical point to warn of a potentially hazardous situation.

2) Particular attention shall be paid to the following to ensure that by working on electrical components, the casing is not altered in such a way that the level of protection is affected. This shall include damage to cables, excessive number of connections, terminals not made to original specification, damage to seals, incorrect fitting of glands, etc. Ensure that apparatus is mounted securely. Ensure that seals or sealing materials have not degraded such that they no longer serve the purpose of preventing the ingress of flammable atmospheres. Replacement parts shall be in accordance with the manufacturer's specifications.

| Safety Precautions

NOTE: The use of silicon sealant may inhibit the effectiveness of some types of leak detection equipment. Intrinsically safe components do not have to be isolated prior to working on them.

8. Repair to intrinsically safe components

Do not apply any permanent inductive or capacitance loads to the circuit without ensuring that this will not exceed the permissible voltage and current permitted for the equipment in use. Intrinsically safe components are the only types that can be worked on while live in the presence of a flammable atmosphere. The test apparatus shall be at the correct rating. Replace components only with parts specified by the manufacturer. Other parts may result in the ignition of refrigerant in the atmosphere from a leak.

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.

11. Leak detection methods

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

| Safety Precautions

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. Oxygen free nitrogen (OFN) shall then be purged through the system both before and during the brazing process.

12. Removal and evacuation

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

Remove refrigerant; Purge the circuit with inert gas; Evacuate; Purge again with inert gas; Open the circuit by cutting or brazing.

The refrigerant charge shall be recovered into the correct recovery cylinders. The system shall be flushed with OFN to render the unit safe. This process may need to be repeated several times. Compressed air or oxygen shall not be used for this task. Flushing shall be achieved by breaking the vacuum in the system with OFN and continuing to fill until the working pressure is achieved, then venting to atmosphere, and finally pulling down to a vacuum. This process shall be repeated until no refrigerant is within the system. When the final OFN charge is used, the system shall be vented down to atmospheric pressure to enable work to take place. This operation is absolutely vital if brazing operations on the pipe-work are to take

place. Ensure that the outlet for the vacuum pump is not close to any ignition sources and there is ventilation available.

13. 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 minimise the amount of refrigerant contained in them.

Cylinders shall be kept upright.

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 of charging but prior to commissioning. A follow up leak test shall be carried out prior to leaving the site.

14. 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

| Safety Precautions

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 manufacturer's 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.

15. 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.

16. 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 flammable refrigerants.

| Safety Precautions

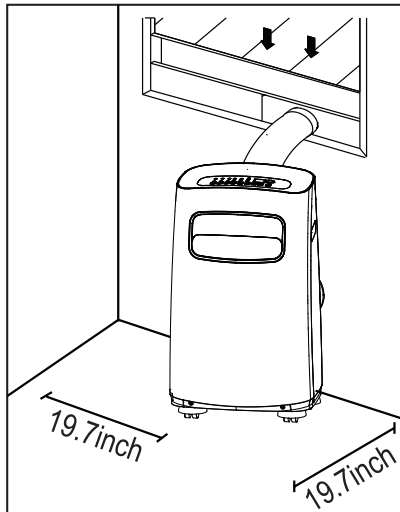
In addition, a set of calibrated weighing scales shall be available and in good working order. Hoses shall be complete with leak-free disconnect couplings and in good condition. Before using the recovery machine, check that it is in satisfactory working order, has been properly maintained and that any associated electrical components are sealed to prevent ignition in the event of a refrigerant release. Consult manufacturer if in doubt. The recovered refrigerant shall be returned to the refrigerant supplier in the correct recovery cylinder, and the relevant Waste Transfer Note arranged. Do not mix refrigerants in recovery units and especially not in cylinders. If compressors or compressor oils are to be removed, ensure that they have been evacuated to an acceptable level to make certain that flammable refrigerant does not remain within the lubricant. The evacuation process shall be carried out prior to returning the compressor to the suppliers. Only electric heating to the compressor body shall be employed to accelerate this process. When oil is drained from a system, it shall be carried out safely.

Cautions

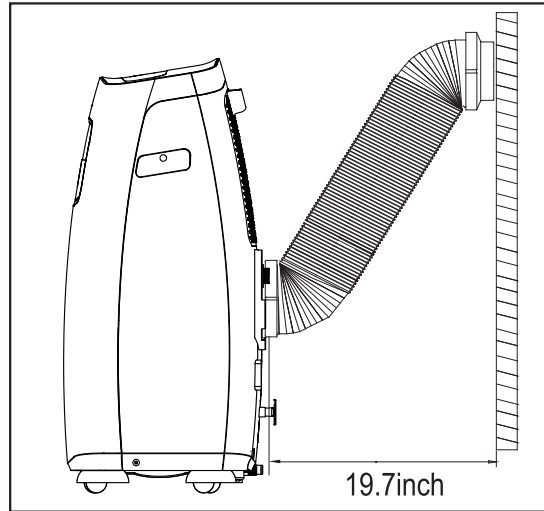
- This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities or lack of experience and knowledge, unless they have been given supervision or instruction concerning the use of the appliance by a person responsible for their safety.
- Children should be supervised to ensure that they do not play with the appliance.
- If the power cord is damaged, it must be replaced by the manufacturer, its service agent, or similarly qualified persons in order to avoid a hazard.
- Prior to cleaning or other maintenance, the appliance must be disconnected.
- Do not run cord under carpeting. Do not cover cord with throw rugs, runners, or similar coverings. Do not route cord under furniture or appliances. Arrange the cord away from the traffic area and where it will not be tripped over.
- Never attempt to operate this appliance if it is damaged, malfunctioning, partially disassembled, or has missing or broken parts, including a damaged cord or plug.
- To reduce the risk of fire or electric shock, do not use this unit with any solid-state speed control device.
- The appliance shall be installed in accordance with national wiring regulations.
- Contact the authorized service technician for repair or maintenance of this unit.
- Contact the authorized installer for the installation of this unit.
- When there are significant differences between features or operation implied by the remote control illustration and the actual functions described in the USER MANUAL, the descriptions in the USER MANUAL shall prevail.

| Installation

Choosing The Right Location



Recommend Installation



Your installation location should meet the following requirements:

- Make sure that you install your unit on an even surface to minimize noise and vibration.
- The unit must be installed near a grounded outlet, and the Collection Tray Drain (found on the back of the unit) must be accessible.
- The unit should be located at least 19.7 inch from the nearest wall to ensure proper air conditioning.
- DO NOT cover the Intakes, Outlets, or Remote Signal Receptor of the unit, as this could cause damage to the unit.

Note About Fluorinated Gasses

- This air-conditioning unit is a hermetically sealed unit that contains fluorinated gasses. For specific information on the type of gas and the amount, please refer to the relevant label on the unit itself.
- Service, maintenance, or repair of this unit must be performed by a certified technician.
- Product uninstallation and recycling must be performed by a certified technician according to local regulations.

NOTE:

All the illustrations in the manual are for explanation purposes only. Your air conditioner may be slightly different. The actual shape shall prevail.










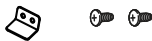
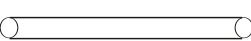
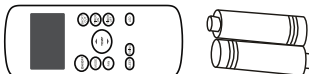
Installation

Suggested Tools

- Medium Phillips screwdriver;
- Tape measure or ruler;
- Knife or scissors;
- Saw (optional, to shorten window adaptor for narrow windows)

Accessories (Installation Kit)

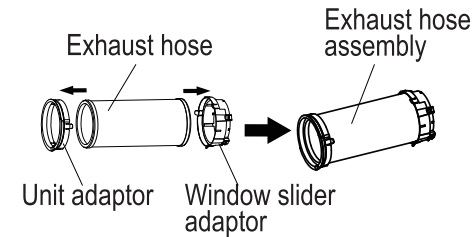
Your Window Installation Kit fits windows 26.5 – 48" and can be shortened for smaller windows.

Part	Description	Quantity
	Unit Adaptor	1 pc
	Exhaust Hose	1 pc
	Window Slider Adaptor	1 pc
	Bolt	1 pc
	Window Slider A	1 pc
	Window Slider B	1 pc
	Foam Seal A (Adhesive)	2 pc
	Foam Seal B (Adhesive)	2 pc
	Foam Seal C (Non-adhesive)	1 pc
	Security Bracket and 2 Screws	1 set
	Drain Hose	1 pc
	Remote Control and Battery (For remote control models only)	1 set

Window Installation Kit

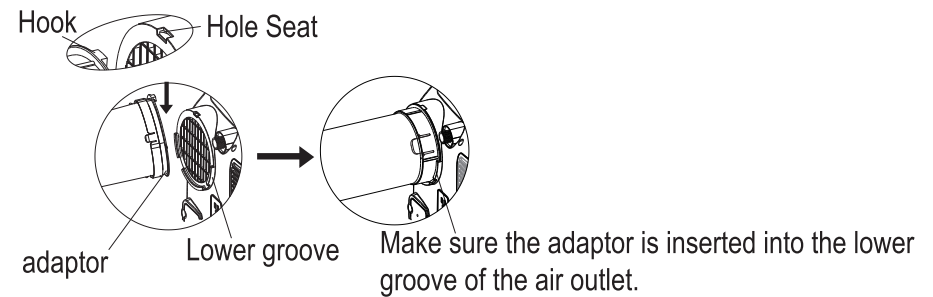
Step One: Preparing the exhaust hose assembly.

Press the exhaust hose into the window slider adaptor and the unit adaptor. Each adaptor will snap into the exhaust hose automatically with plastic clips.



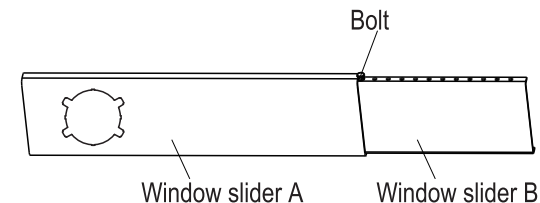
Step Two: Install the exhaust hose assembly to the unit

Insert the unit adaptor of the exhaust hose assembly into the lower groove of the air outlet of the unit while the hook of the adaptor is aligned with the hole seat of the air outlet and slide down the exhaust hose assembly along the direction indicated by the arrow for installation.



Step Three: Preparing the adjustable window slider

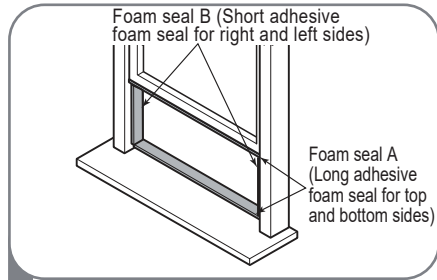
1. Depending on the size of your window, adjust the size of the window slider.
2. If the length of the window requires two window sliders, use the bolt to fasten the window sliders once they are adjusted to the proper length.



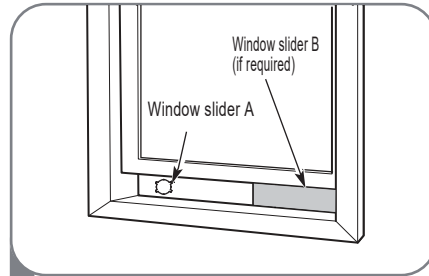
Installation

Note: Once the Exhaust Hose assembly and Adjustable Window Slider are prepared, choose from one of the following two installation methods.

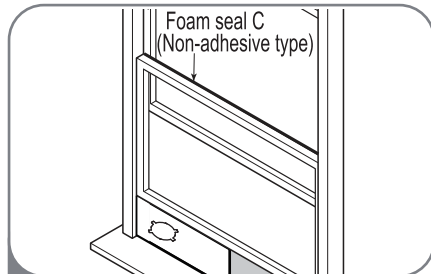
Type 1: Hung Window Installation



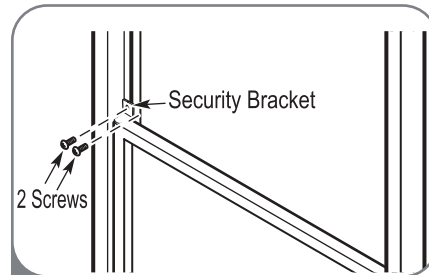
1 Cut the adhesive foam seal A and B strips to the proper lengths, and attach them to the window sash and frame as shown.



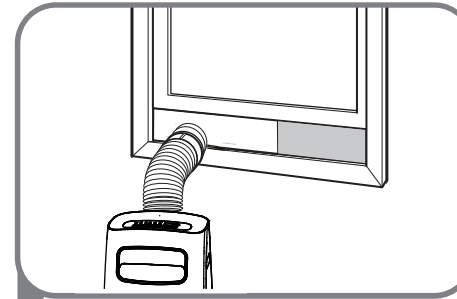
2 Insert the window slider assembly on the bottom sash channel. Use care when installing the window slider assembly, which will now fit very tightly in the opening. Close the sash tightly against the top of the window slider assembly.



3 Cut the non-adhesive foam seal C strip to match the width of the window. Insert the seal between the glass and the window frame to prevent air and insects from getting into the room.

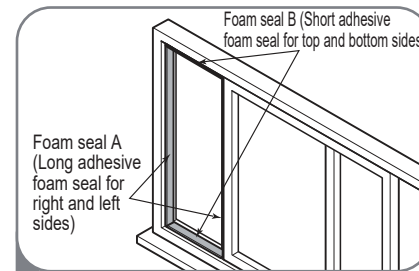


4 If desired, install the security bracket with 2 screws as shown.

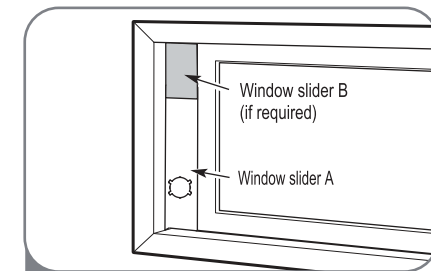


5 Insert the window slider adaptor into the hole of the window slider.

Type 2: Sliding Window Installation

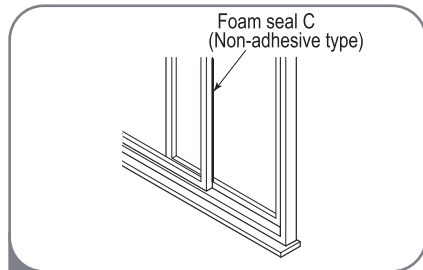


1 Cut the adhesive foam seal A and B strips to the proper lengths, and attach them to the window sash and frame as shown.

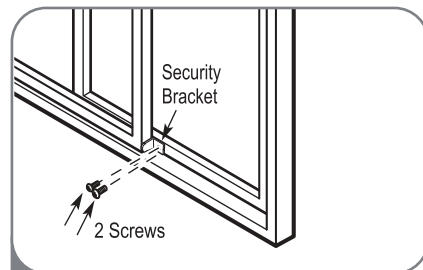


2 Insert the window slider assembly on the left or right sides of the sash channel. Use care when installing the window slider assembly, which will now fit very tightly in the opening. Close the sash tightly against the other side of the window slider assembly.

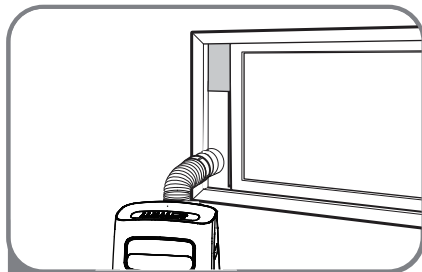
Installation



3 Cut the non-adhesive foam seal C strip to match the window height. Insert the foam seal between the glass and the window frame to prevent air and insects from getting into the room.



4 If desired, install the security bracket with 2 screws as shown.



5 Insert the window slider adaptor into the hole of the window slider.

Note: To ensure proper function, DO NOT overextend or bend the hose. Make sure that there is no obstacle around the air outlet of the exhaust hose (in the range of 19.7 inches) in order for the exhaust system to work properly. All the illustrations in this manual are for explanation purposes only. Your air conditioner may be slightly different. The actual shape shall prevail.



Note: This air conditioner exhausts hot air from the back of the unit

- While operating in cool mode, the exhaust hose will become warm to the touch (this is normal).
- Having the exhaust hose overextended can cause radiant heat into the room causing ineffective operation.
- The exhaust hose and adaptors must be installed according to the installation instructions so the warm air from the exhaust is vented outside.

Design and Compliance Notes

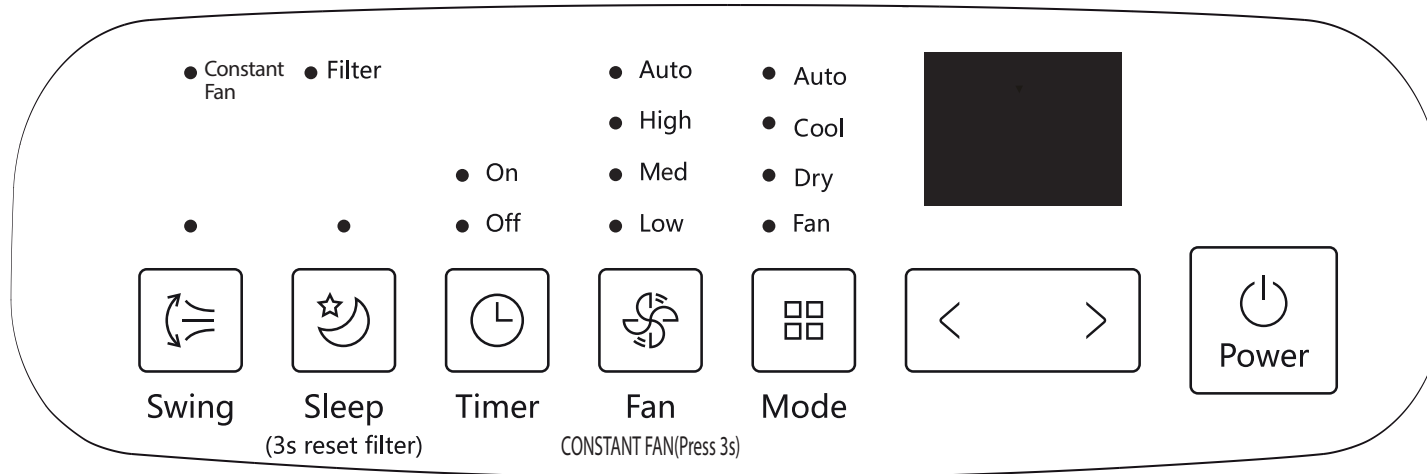
Design Notice

In order to ensure the optimal performance of our products, the design specifications of the unit and remote control are subject to change without prior notice.

Unit Temperature Range

Mode	Temperature Range
Cool	17-35°C (62-95°F)
Dry	13-35°C (55-95°F)

Operation



Swing

Swing button(optional)

(Applicable to the models with auto swing feature only)

Used to initiate the Auto Swing feature. When the operation is ON, press the SWING button to stop the louvers at the desired angle.



Sleep
(3s reset filter)

Sleep(Eco)/Filter button

Used to initiate the SLEEP/ECO operation.

NOTE: After 250 hours of operation, the filter indicator light illuminates. This feature is a reminder to clean the air filter for more efficient operation. Press this button for 3 seconds to reset the reminder.



Timer

Timer button

Used to initiate the AUTO ON start time and AUTO OFF stop time program, in conjunction with the Up (>) and Down (<) buttons. The timer on/off indicator light illuminates under the timer on/off settings.



Fan
CONSTANT
FAN (Press 3s)

Fan button

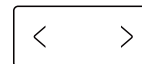
Controls the fan speed. Press to control the fan speed in four steps - LOW, MED, HIGH, and AUTO. The selected fan speed light will illuminate. In COOL or DRY mode, press this button for 3 seconds to turn on or off the constant fan function.



Mode

Mode button

Selects the desired operating mode. Each time you press the button, a mode is selected in a sequence that goes from AUTO, COOL, DRY, and FAN. The mode light illuminates and indicates the selected mode.



Up (>) and Down (<) buttons

Used to adjust (increasing/decreasing) temperature settings in 1°C/1°F increments in a range of 17°C/62°F to 30°C/86°F or the TIMER setting in a range of 0~24hrs.

NOTE: The control is capable of displaying temperature in degrees Fahrenheit or degrees Celsius. To convert from one to the other, press and hold the Up and Down buttons at the same time for 3 seconds.



Power

Power button

Power switch on/off.

Operation



LED display

- Shows the set temperature in °C or °F and the Auto-timer settings. While on DRY and FAN modes, it shows the room temperature.
- Shows Error codes and protection code:
 - E1 - Room temperature sensor error.
 - E2 - Evaporator temperature sensor error.
 - E3 - Condenser temperature sensor error (on some models).
 - E4 - Display panel communication error.
 - E7 - Zero-crossing malfunction.
- P1 - Bottom tray is full--Connect the drain hose and drain the collected water away. If this error repeats, see Troubleshooting Tips.



Note: When one of the above malfunctions occurs, turn off the unit and check for any obstructions. Restart the Unit. If the malfunction persists, turn off the unit and unplug the power cord. Contact the manufacturer or its service agents or a similarly qualified person for service.

Operation Instructions

COOL operation

- Press the "MODE" button until the "COOL" indicator light comes on.
- Press the Up (>) and Down (<) buttons to select your desired room temperature. The temperature can be set within a range of 17°C~30°C/62°F~86°F.
- Press the "FAN" button to choose the fan speed.

DRY operation

- Press the "MODE" button until the "DRY" indicator light comes on.
- Under this mode, you cannot select a fan speed or adjust the temperature. The fan motor operates at LOW speed.
- Keep windows and doors closed for the best dehumidifying effect.
- Do not connect the exhaust hose to a window.

Self-Evaporation System

- In cool mode, this unit is made to self-evaporate. This means if you keep the rubber stoppers closed on the back of the unit, the water will evaporate and you will not have to drain.

- In cases of extreme humidity, you may have some water accumulation that the unit is unable to evaporate. In this case, the unit will beep 8 times, switch to fan mode, and read P1 on the LED display (it will stay like this until the unit is drained). If this happens, you should drain the water from the lower drain (located at the bottom of the unit).
- The top drain is used only if you choose DRY mode.
- * **Self Evaporation System works in COOL mode only**

AUTO operation

- When you set the air conditioner in AUTO mode, it will automatically select cooling or fan only operation depending on what temperature you have selected and the current room temperature.
- The air conditioner will control room temperature automatically according to the temperature point set by you.
- Under AUTO mode, you cannot select the fan speed.

FAN operation

- Press the "MODE" button until the "FAN" indicator light comes on.
- Press the "FAN" button to choose the fan speed. The temperature cannot be adjusted.
- Do not connect the exhaust hose to a window.

Constant Fan operation

- In COOL or DRY mode, press the "FAN" button for 3 seconds to turn on or off the constant fan function. When the function is turned on, the constant fan light will illuminate, identifying that the fan will continuously run for cooling.

TIMER operation

- When the unit is on, pressing the Timer button will initiate the Auto-off stop program. The TIMER OFF indicator light illuminates. Press the Up or Down button to select the desired time. Press the Timer button again within 5 seconds. The Auto-on start program is initiated and the TIMER ON indicator light illuminates. Press the Up or Down button to select the desired Auto-on start time.

Operation

- When the unit is off, press the Timer button to initiate the Auto-on start program. Pressing it again within five seconds will initiate the Auto-off stop program.
- Press or hold the Up or Down button to change the Auto time by 0.5-hour increments, up to 10 hours, then at 1-hour increments up to 24 hours. The control will count down the time remaining until start/stop.
- The system will automatically revert back to display the previous temperature setting if there is no operation within 5 seconds.
- Turning the unit ON or OFF at any time or adjusting the timer setting to 0.0 will cancel the Auto Start/Stop timer program.
- When the malfunction occurs, the Auto Start/Stop timed program will also be cancelled.

SLEEP/ECO operation

- Pressing this button will increase the selected temperature by 1°C/1°F after 30 minutes. The temperature will again increase (cooling) by another 1°C/1°F after an additional 30 minutes. This new temperature will be maintained for 7 hours before returning to the originally selected temperature. This ends the Sleep/Eco mode and the unit will continue to operate as originally programmed.
- NOTE: This feature is unavailable in FAN or DRY mode.

Other features

AUTO-RESTART

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

WAIT 3 MINUTES BEFORE RESUMING OPERATION

After the unit has stopped, it cannot be restarted until 3 minutes time has elapsed. This is to protect the unit. Operation will automatically start after 3 minutes.

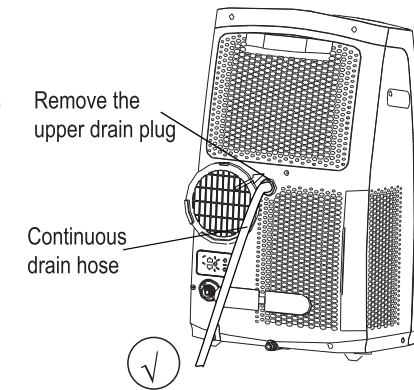
AIR FLOW DIRECTION ADJUSTMENT

The louver can be adjusted automatically. Adjust the air flow direction automatically:

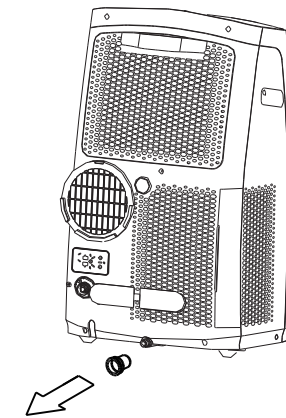
- When the Power is ON, the louver opens fully.
- Press the SWING button on the panel or remote control to initiate the Auto Swing feature. The louver will swing up and down automatically.
- Please do not adjust the louver manually.

Water drainage

- During dehumidifying modes, remove the upper drain plug from the back of the unit and install the drain connector (5/8" universal female mender) with 3/4" hose (locally purchased). For the models without a drain connector, just attach the drain hose to the hole. Place the open end of the hose directly over the drain area in your basement floor or into a bucket.



- When the water level of the bottom tray reaches a predetermined level, the unit beeps 8 times. The digital display shows "P1". At this time, the air conditioning/dehumidification process will immediately stop. However, the fan motor will continue to operate (this is normal). Carefully move the unit to a drain location, remove the bottom drain plug and let the water drain away. Reinstall the bottom drain plug and restart the machine until the "P1" symbol disappears. If the error repeats, see Troubleshooting Tips.



NOTE: Be sure to reinstall the bottom drain plug firmly to prevent leakage before using the unit.

The bottom tray cannot be removed.

Maintenance

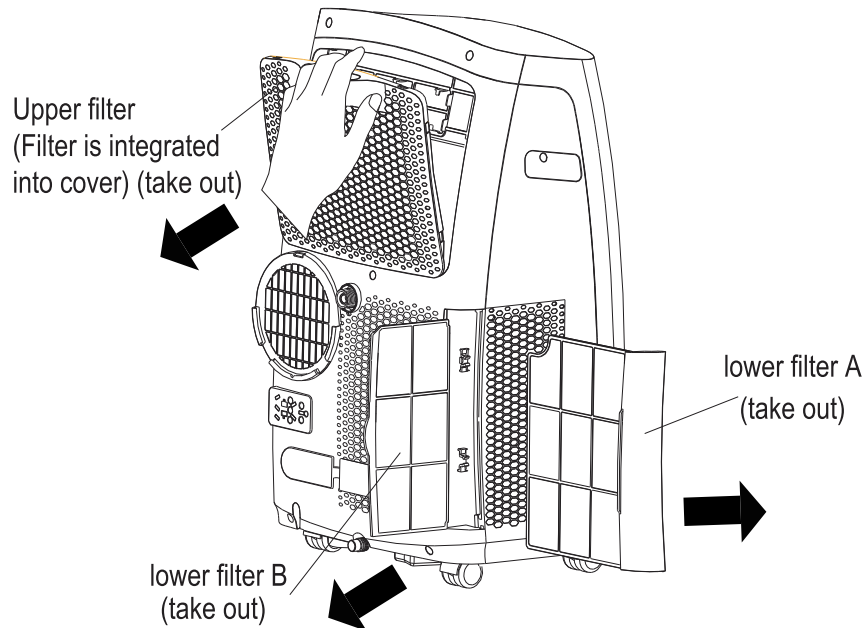
Safety Precautions

- Always unplug the unit before cleaning or servicing.
- DO NOT use flammable liquids or chemicals to clean the unit.
- DO NOT wash the unit under running water. Doing so causes electrical danger.
- DO NOT operate the machine if the power supply was damaged during cleaning. A damaged power cord must be replaced with a new cord from the manufacturer.

Clean the Air Filter

Gently wash the air filter using water and/or diluted liquid dishwashing detergent. Rinse thoroughly and gently shake excess water from the filters. Make sure the filters are dry before reinstalling.

NOTE: You may use a vacuum cleaner to remove dust.



Remove the air filter



Maintenance Tips

- Be sure to clean the air filter every 2 weeks for optimal performance.
- The water collection tray should be drained immediately after P1 error occurs, and before storage to prevent mold.
- In households with animals, you will have to periodically wipe down the grille to prevent blocked airflow due to animal hair.

Clean the Unit

Clean the unit using a damp, lint-free cloth and mild detergent. Dry the unit with a dry, lint-free cloth.

Store the unit when not in use

- Drain the unit's water collection tray.
- Run the appliance on FAN mode for 12 hours in a warm room to dry it and prevent mold.
- Turn off the appliance and unplug it.
- Clean the air filter according to the instructions in the previous section. Reinstall the clean, dry filter before storing.
- Remove the batteries from the remote control.



Be sure to store the unit in a cool, dark place. Exposure to direct sunlight or extreme heat can shorten the lifespan of the unit.

Troubleshooting Tips

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

Problem	Possible Cause	Troubleshooting
Unit does not turn on when pressing ON/OFF button	P1 Error Code	The Water Collection Tray is full. Turn off the unit, drain the water from the Water Collection Tray, and restart the unit.
	In COOL mode: room temperature is lower than the set temperature	Reset the temperature
Unit does not cool well	The air filter is blocked with dust or animal hair	Turn off the unit and clean the filter according to instructions
	The exhaust hose is not connected or is blocked	Turn off the unit, disconnect the hose, check for blockage, and reconnect the hose
	The unit is low on refrigerant	Call a service technician to inspect the unit and top off refrigerant
	The temperature setting is too high	Decrease the set temperature
	The windows and doors in the room are open	Make sure all windows and doors are closed
	The room area is too large	Double-check the cooling area
	There are heat sources inside the room	Remove the heat sources if possible
The unit is noisy and vibrates too much	The floor is not level	Place the unit on a flat, level surface
	The air filter is blocked with dust or animal hair	Turn off the unit and clean the filter according to instructions
The unit makes a gurgling sound	This sound is caused by the flow of refrigerant inside the unit	This is normal

Troubleshooting Tips

Problem	Possible Cause	Troubleshooting
P1 Error Code will not go away	There may be some water accumulation in the unit during high humidity	<ol style="list-style-type: none"> 1. The P1 code indicates that there is moisture in the machine and the unit has to be dried out in order to operate correctly. 2. Please drain all the water out of the bottom drain plug. The drain tray is located in the bottom of the unit behind the bottom drain plug and cannot be removed. 3. After the water is drained out of the machine, remove both the upper and lower drain plugs to let air get into the unit. 4. Put the unit in the FAN mode and run it in this mode for 5-6 hours. This will allow the machine to dry out and will hopefully dry out the internal sensors that are throwing the P1 code. 5. After you run the machine in the FAN mode for several hours then put the drain plugs back in the top and bottom of the machine and unplug the unit from the wall outlet. 6. Press the reset button on the wall plug and then plug the machine back in. Put the unit back on the COOL mode and the unit should run correctly. 7. During high humidity, the drain port will need to be drained more often as it only holds about a gallon of water.

