perfect aire®

OWNER'S MANUAL

PORTABLE AIR CONDITIONER

COMPACT

MODELS 3PORT8500A, 3PORT10000A

TABLE OF CONTENTS

IMPORTANT NOTE:
Read the manual carefully. Make sure to save this manual for future reference. Illustrations in this manual are for explanatory purposes only, your actual product may look slightly different.

IMPORTANT SAFETY INSTRUCTION

READ THESE SAFETY PRECAUTIONS BEFORE INSTALLATION AND OPERATION. For your safety, it is important that you read and follow the instructions in this manual to minimize the risk of personal injury, fire or electrical shock.

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

⚠	**WARNING**	This symbol indicates that ignoring instructions may cause death or serious injury.
⚠	**CAUTION**	This symbol indicates that ignoring instructions may cause moderate injury to your person, or damage to your unit or other property.

⚠ WARNING

- 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 nonstandard 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 nameplate of the unit.
- Your unit must be used in a properly grounded wall receptacle. If the wall receptacle you intend to use is not adequately grounded or protected by a time delay fuse or circuit breaker (the fuse or circuit breaker needed is determined by the maximum current of the unit. The maximum current is indicated on the nameplate located on unit), have a qualified electrician install the proper receptacle.
- Do not touch the unit with wet or damp hands or when barefoot.
- If the air conditioner is knocked over during usem, 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.
- In a thunderstorm, the power must be cut off to avoid damage to the machine due to lightning.
- Your air conditioner should be used in such a way that it is protected from moisture. e.g. condensation, splashed water, etc. Do not place or store your air conditioner where it can fall or be pulled into water or any other liquid. Unplug immediately if it occurs.
- 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 fire.
- The unit has wheels to facilitate moving. Make sure not to use the wheels on thick carpet or to roll over objects, as these could cause tipping.
- Do not operate a unit that it has been dropped or damaged.
- The appliance with electric heater shall have at least 1 meter space to the combustible materials.
- All wiring must be performed strictly in accordance with the wiring diagram located inside of the unit.

- The unit's circuit board (PCB) is designed with a fuse to provide overcurrent protection. The specifications of the fuse are printed on the circuit board, such as: T 3.15A/250V, etc.
- When the water drainage function is not in use, keep the upper and the lower drain plug firmly to the unit to get rid of choking. When the drain plug is not in use, keep it carefully to prevent children from choking.

⚠ CAUTION

- This appliance can be used by children aged from 8 years and above and person with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved. Children shall not play with the appliance. Cleaning and user maintenance shall not be made by children without supervision.
- This appliance is not intended for use by persons (including childern) 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. Children must be supervised around the unit at all times.
- If the supply cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard.
- Do not use this product for functions other than those described in this instruction manual.
- Before cleaning, turn off the power and unplug the unit.
- Disconnect the power if strange sounds, smell, or smoke comes from it.
- Do not press the buttons on the control panel with anything other than your fingers.
- Do not remove any fixed covers. Never use this appliance if it is not working properly, or if it has been dropped or damaged.
- Do not operate or stop the unit by inserting or pulling out the power cord plug.
- Do not use hazardous chemicals to clean or come into contact with the unit. Do not use the unit in the presence of inflammable substances or vapour such as alcohol, insecticides, petrol, etc.
- Prior to cleaning or other maintenance, the appliance must be disconnected from the supply mains.
- Do not remove any fixed covers. Never use this appliance if it is not working properly, or if it has been dropped or damaged.
- 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 cord away from traffic area and where it will not be tripped over.
- Do not operate unit with a damaged cord, plug, power fuse or circuit breaker. Discard unit or return to an authorized service facility for examination and/or repair.
- To reduce the risk of fire or electric shock, do not use this fan with any solid-state speed control device.
- The appliance shall be installed in accordance with national wiring regulations.
- Contact the authorised service t echnician for repair or maintenance of this unit.
- Contact the authorised installer for installation of this unit.
- Do not cover or obstruct the inlet or outlet grilles.
- Always transport your air conditioner in a vertical position and stand on a stable, level surface during use.
- Always contact a qualified person to carry out repairs. If the damaged power supply cord must be replaced with a new power supply cord obtained from the product manufacturer and not repaired.
- Hold the plug by the head of the power plug when taking it out.
- Turn off the product when not in use.
- How to fix the appliance to its support, please refer to the installation instructions.

CAUTION:
Risk of fire
flammable materials

Explanation of symbols displayed on the unit		
	**CAUTION**	This symbol shows that the operation manual should be read carefully.
	**CAUTION**	This symbol shows that a service professional should be handling this equipment with reference to the installation manual.
	**CAUTION**	This symbol shows that information is available such as the operation manual or installation manual.

⚠ WARNING

For using R32 refrigerant

- 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.
- 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. 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 sourcesor (for example: an operating electric heater) close to the appliance.
- Do not pierce or burn.
- Be aware that the refrigerants may not contain an odour.

⚠ WARNING

For using R32 refrigerant

TRANSPORT OF EQUIPMENT CONTAINING FLAMMABLE REFRIGERANTS

- See transport regulations.

MARKING OF EQUIPMENT USING SIGNS

- See local regulations.

DISPOSAL OF EQUIPMENT USING FLAMMABLE REFRIGERANTS

- See national regulations.

STORAGE OF EQUIPMENT/APPLIANCES

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

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.

INFORMATION ON SERVICING

1. **Checking 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 should 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 a 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 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 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.

⚠ WARNING

For using R32 refrigerant

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 should 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 should 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 should be used. This should be reported to the owner of the equipment, so all parties are advised.
   - Initial safety checks should 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.

SEALED ELECTRICAL COMPONENTS SHALL BE REPLACED

INTRINSICALLY SAFE COMPONENTS MUST BE REPLACED

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.

DETECTION OF FLAMMABLE REFRIGERANTS

- Under no circumstances, should 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) should 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 should 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 should 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 pipework.

⚠ WARNING

For using R32 refrigerant

- If a leak is suspected, all naked flames should be removed/ extinguished. If a leakage of refrigerant is found which requires brazing, all of the refrigerant should 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..

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 is followed since flammability is a consideration.
- The following procedure shall be adhered to:
  - Remove refrigerant
  - 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 should 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.

CHARGING PROCEDURES

- In addition to conventional charging procedures, the following requirements should be followed.
  - Ensure that contamination of different refrigerants does not occur when using charging equipment.
  - Hoses or lines should be as short as possible to minimize the amount of refrigerant contained in them.
  - Cylinders should 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 should be taken not to overfill the refrigeration system.
  - Prior to recharging the system, it should be pressure tested with OFN.
  - The system should be leak tested on completion of charging but prior to commissioning.
  - A follow up leak test should be carried out prior to leaving the site.

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 should be taken in case analysis is required prior to re-use of reclaimed refrigerant. It is essential that electrical power is available before the task is commenced.
- Become familiar with the equipment and its operation.

⚠ WARNING

For using R32 refrigerant

- Isolate the system electrically.
- Before attempting the procedure ensure that:
  - When breaking into the refrigerant circuit to make repairs or for any other purpose, conventional procedures should be used.
  - Mechanical handling equipment is available, if required, for handling refrigerant cylinders.
  - Personal protective equipment is available and being used correctly.
  - The recovery process is supervised at all times by a competent person.
  - Recovery equipment and cylinders conform to the appropriate standards.
- Pump down refrigerant system, if possible.
- If a vacuum is not possible, make a manifold so that refrigerant can be removed from various parts of the system.
- Make sure that cylinder is situated on the scales before recovery takes place.
- Start the recovery machine and operate in accordance with manufacturer's instructions.
- Do not overfill cylinders. (No more than 80 % volume liquid charge).
- Do not exceed the maximum working pressure of the cylinder, even temporarily.
- When the cylinders have been filled correctly and the process is completed, make sure that the cylinders and the equipment are removed from the site promptly and all isolation valves on the equipment are closed off.
- Recovered refrigerant should not be charged into another refrigeration system unless it has been cleaned and checked.

LABELLING

- Equipment should be labelled stating that it has been de-commissioned and emptied of refrigerant. The label should be dated and signed. Ensure that there are labels on the equipment stating the equipment contains flammable refrigerant.

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. 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.

INSTALLATION INSTRUCTIONS

BEFORE THE INSTALLATION

Read these instructions completely and carefully.

The installation must be carried out in strict accordance with the instructions in this manual. Proper installation is the responsibility of the installer.

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

You MUST use only supplied parts and use proper installation procedures as described in these instructions when installing this air conditioner.

Installing your AC should take about 30 minutes.

We recommend doing this with a helper.

We're here if you need us, please contact customer support for assistance.

AMBIENT TEMPERATURE RANGE FOR UNIT OPERATING	
MODE	**TEMPERATURE RANGE**
COOL	**60-95°F (16-35°C)**
DRY	**55-95°F (13-35°C)**
HEAT (pump heat mode)	**41-86°F (5-30°C)**
HEAT (electrical heat mode)	**< 86°F (30°C)**

KNOW YOUR PORTABLE AIR CONDITIONER

ENERGY RATING INFORMATION

The energy rating and noise information for this unit is based on the standard installation using an un-extended exhaust duct without window slider adaptor (as shown in the Installation section of this manual). At the same time, the unit must be operated on the COOL MODE and HIGH FAN SPEED by remote controller.

NOTE: We recommend that operating the unit at room temperature below 95°F (35°C). Since there is a risk that the unit with 3 meters extended exhaust duct would not work at room temperature above 95°F (35°C) under some extreme conditions, such as the lower air intake be blocked for 50%.

HOW TO STAY COOL WITH A NEW MOBILE TYPE AIR CONDITIONER.

(For the models comply with the requirements of Department Of Energy in US).

Because of a new federal test procedure for Portable Air Conditioners, you may notice that the cooling capacity claims on portable air conditioner packaging are significantly lower than that of models produced prior to 2017. This is due to changes in the test procedure, not to the portable air conditioners themselves.

NOTE: All the illustrations in the manual are for explanation purpose only. Your machine may be slightly different. The actual shape shall prevail. The unit can be controlled by the unit control panel alone or with the remote. This manual does not include Remote Operations, see the Remote Instruction packed with the unit for details.

HOW TO PURCHASE A MOBILE TYPE AIR CONDITIONER.

The right air conditioner helps you cool a room efficiently. An undersized unit won't cool adequately while one that's too large will not remove enough humidity, leaving the air feeling damp. To find the proper air conditioner, determine the square footage of the room you want to cool by multiplying the room length by its width. You also need to know the air conditioner's BTU (British Thermal Unit) rating, which indicates the amount of heat it can remove from a room. A higher number means more cooling power for a larger room. (Be sure you are comparing only newer models to each other older models may appear to have a higher capacity, but are actually the same) . Be sure to “size up” if your portable air conditioner will be placed in a very sunny room, in a kitchen, or in a room with high ceilings. After you’ve found the right cooling capacity or your room, you can look at other features.

WHY NEWER PRODUCTS HAVE LOWER COOLING CAPACITY THAN OLDER MODELS.

Federal regulations require manufacturers to calculate cooling capacity based on a specific test procedure, which was changed just this year.

Models manufactured before 2017 were tested under a different procedure and cooling capacity is measured differently than in prior years’ models. So, while the BTUs may be lower, the actual cooling capacity of the air conditioners has not changed.

WHAT IS SACC ?

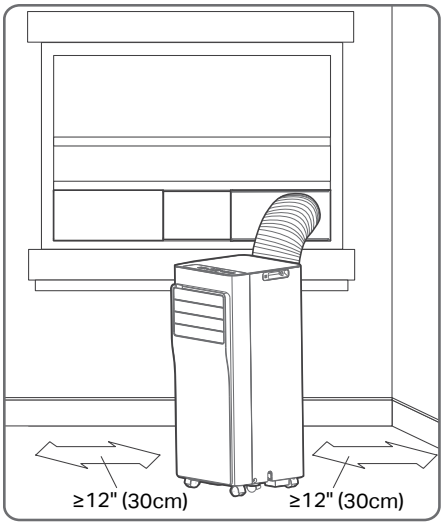
SACC is the representative value of Seasonally Adjusted Cooling Capacity, in Btu/h, as determined in accordance with the DOE test procedure at title 10 Code of Federal Regulations (CFR) 430, subpart B, appendix CC and applicable sampling plans.

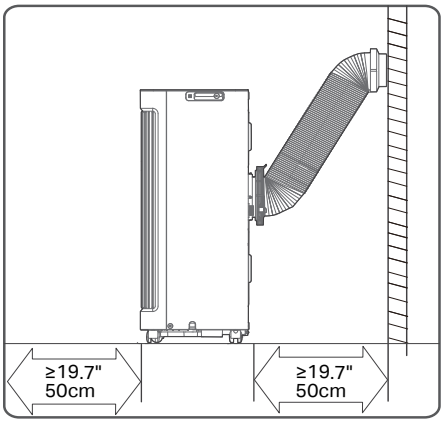
PRODUCT INSTALLATION LOCATION

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 plug, and the Collection Tray Drain (found on the back of the unit) must be accessible.
- DO NOT cover the Intakes, outlets or remote signal receptor of the unit, as this could cause damage to the unit.

CLEARANCE REQUIRED FOR PROPER AIRFLOW

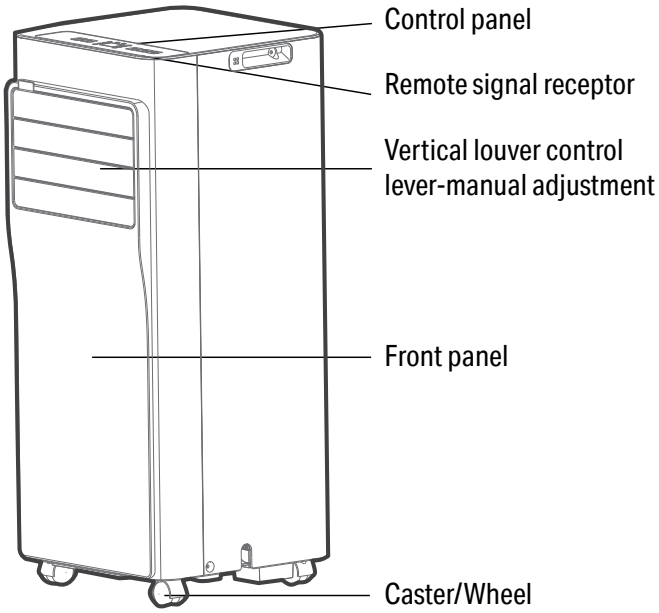




The unit should be positioned at least 12" (30 cm) away from the nearest wall to ensure proper air conditioning. The air outlet must have a clearance of at least 19.7" (50 cm) from any obstacles.

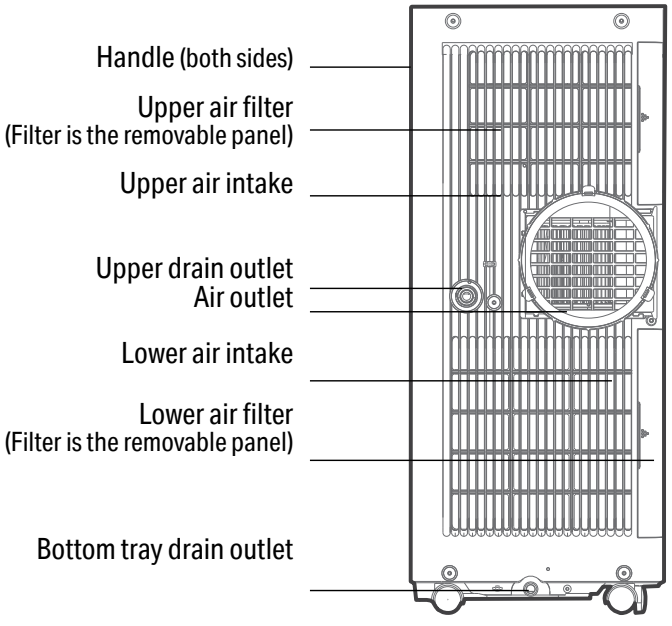
Failure to install the unit according to the instructions in the user manual will void the warranty.

PRODUCT OVERVIEW



Front View

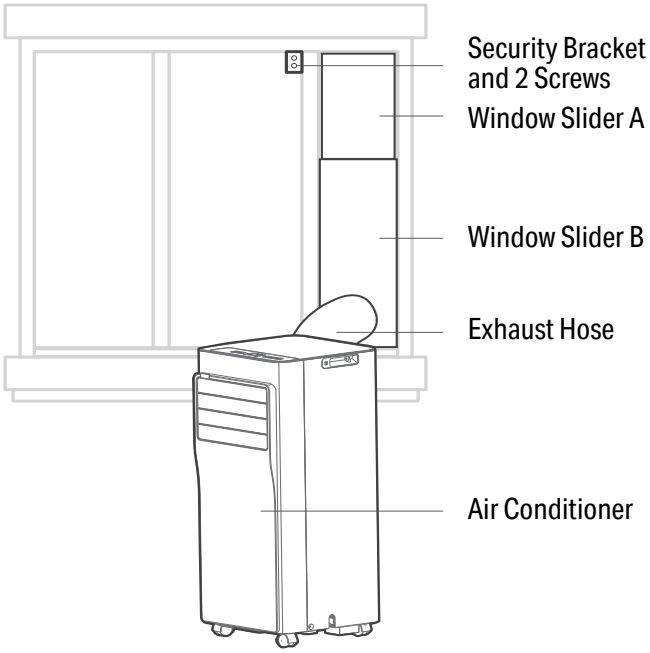
NOTE: The air filters are integrated into the removable panels; there are no separate filters are located behind the removeable panels



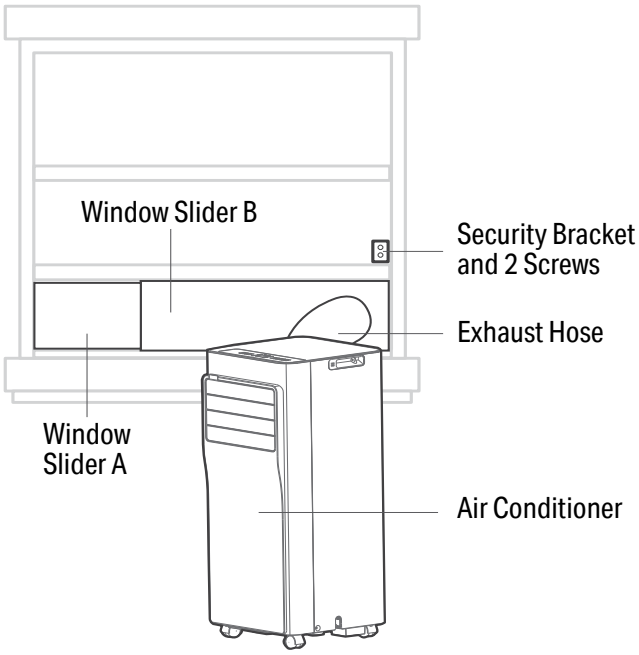
Rear View

INSTALLATION OVERVIEW

SLIDING WINDOW INSTALLATION



HUNG WINDOW INSTALLATION



NOTE: Use only the exhaust hose provided with the unit. Using a longer hose may cause performance issues.

NOTE: 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.

LIST OF INSTALLATION TOOLS *(not included)*


Screwdriver & wrench

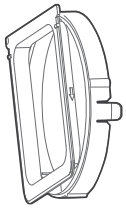

Pencil

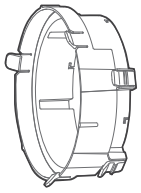

Tape measure


Scissors or Knife


Saw
(To shorten window adaptor for narrow windows)

ACCESSORIES

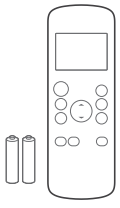

Unit Adaptor x 1


Window Slider Adaptor x 1


Foam Seal A (Adhesive) x 2


Foam Seal B (Adhesive) x 2


Foam Seal C (Non-adhesive) x 1

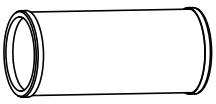

Remote Controller and Battery x 1


Screws x 2


Security Bracket x 1


Drain Hose x 1


Bolt x 1

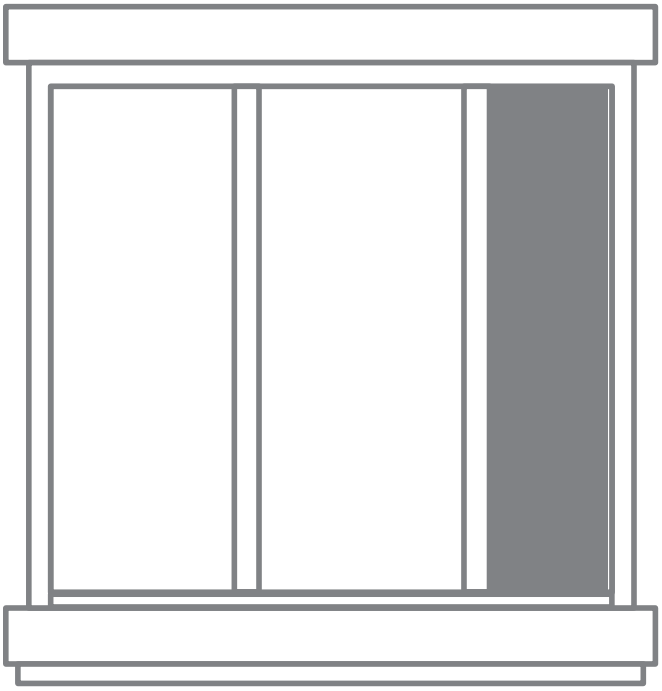

Exhaust Hose x 1


Window Slider A x 1 Window Slider B x 1

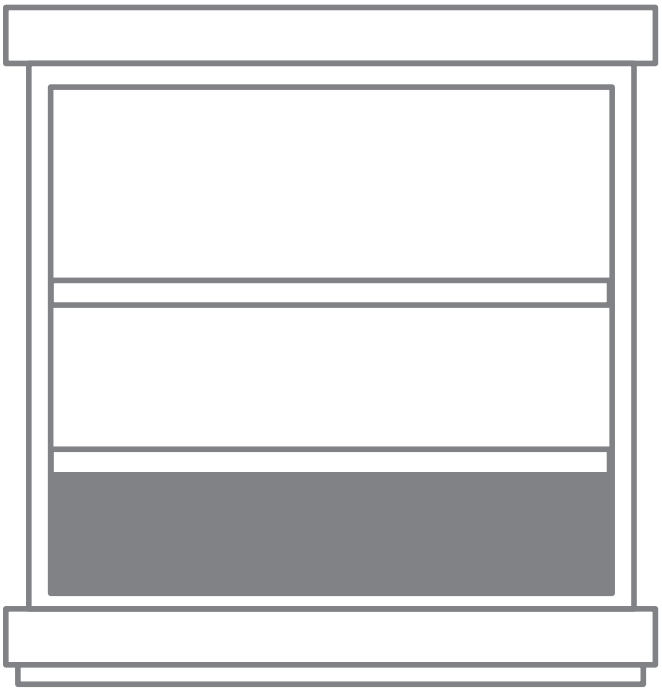
CONFIRM YOUR WINDOW TYPE

(window type and opening size of different types)

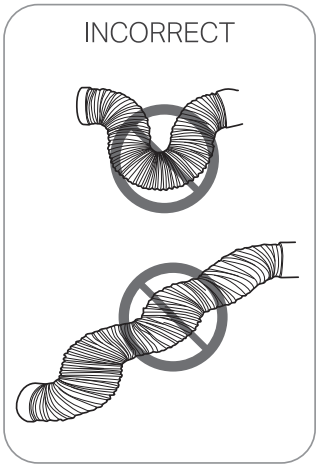
SLIDING WINDOW INSTALLATION

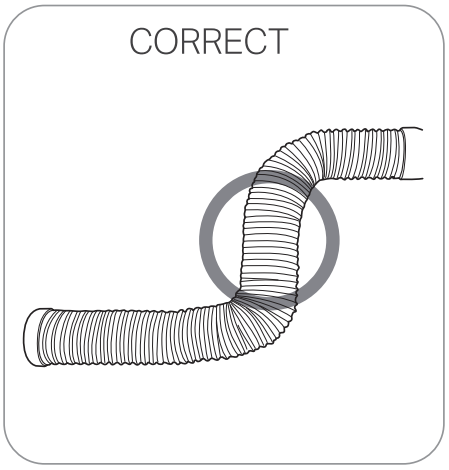


HUNG WINDOW INSTALLATION



FOR OPTIMAL PERFORMANCE IN OPERATION





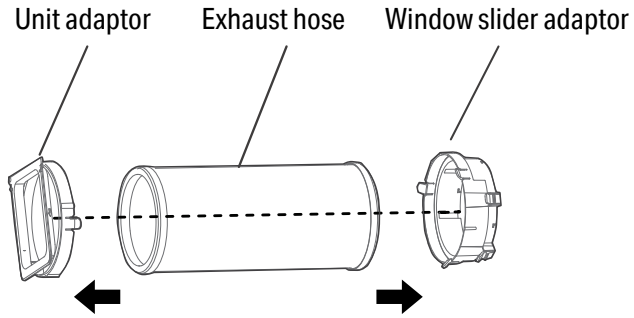
NOTE: To ensure proper function, DO NOT overextend or bend the hose. Make sure that there is no obstacle around the air outlet of the exhaust hose (in the range of 20" (500mm)) in order to the exhaust system works properly. All the illustrations in this manual are for explanation purpose only. Your air conditioner may be slightly different. The actual shape shall prevail.

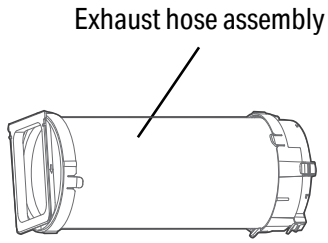
IMPORTANT: Use only the exhaust hose provided with the unit. Using a longer hose may cause performance issues.

INSTALLATION GUIDE

1. THE EXHAUST HOSE ASSEMBLY INSTALLATION (WINDOW TYPE)

Attach the window slider adapter and the unit adapter to either end of the exhaust hose. Both adapters are interchangeable, so there is no need to attach them to a specific end.





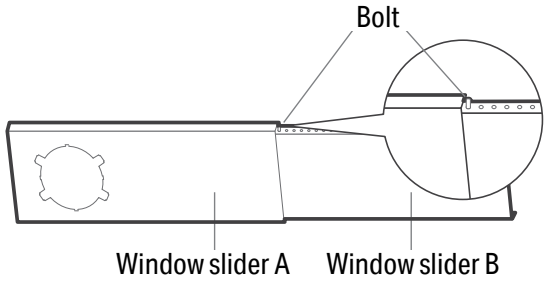
2. PREPARING THE ADJUSTABLE WINDOW SLIDER LENGTH

Choose the window sliders according to the size of your window. Sometimes, it needs to be cut short to meet the window size, please take extra care to cut it properly.

Use the included plastic bolt to fasten the window sliders once they are adjusted to the proper length.

NOTE: Please plan your window slider installation on the accessories in your kit and the width of your window.

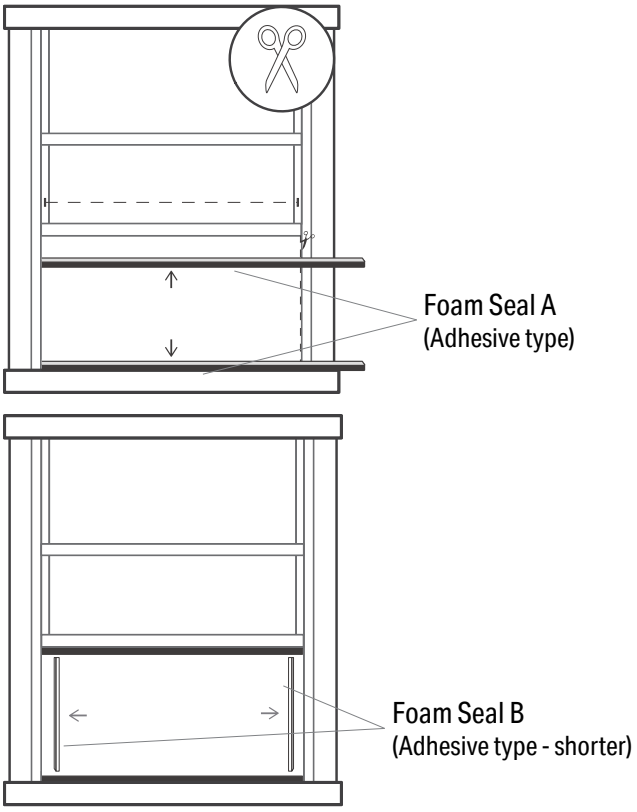
Connect the adaptor to the unit and the window



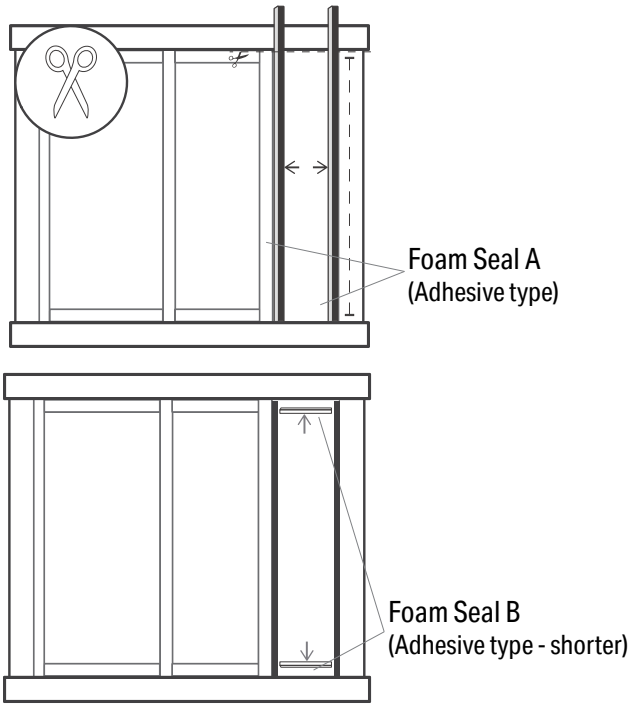
3. COMPLETE SEALING OF WINDOW

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

Hung Window Installation



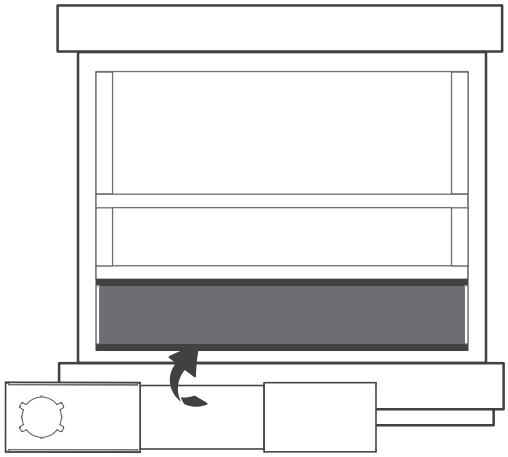
Sliding Window Installation



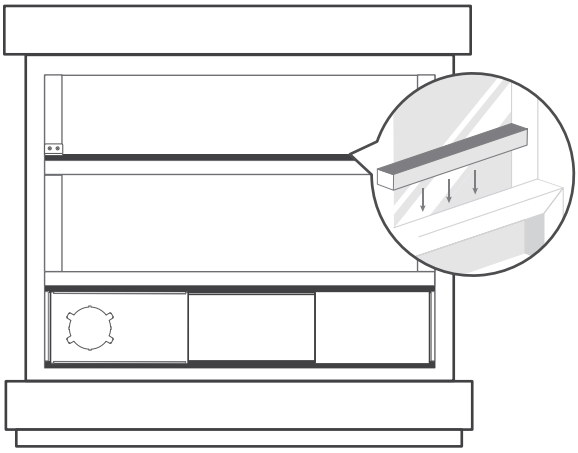
4. WINDOW INSTALLATION

Hung Window Installation

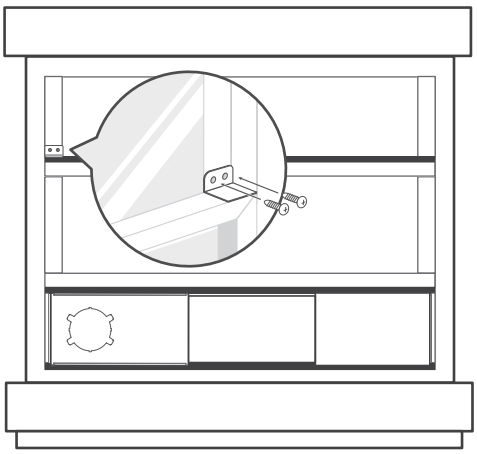
Step 1 Insert the window slider assembly into the window opening.



Step 2 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



Step 3 If desired, install the security bracket with 2 screws as shown.



Sliding Window Installation

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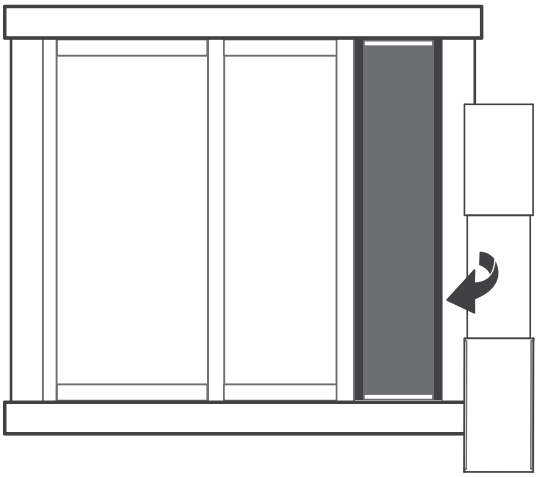

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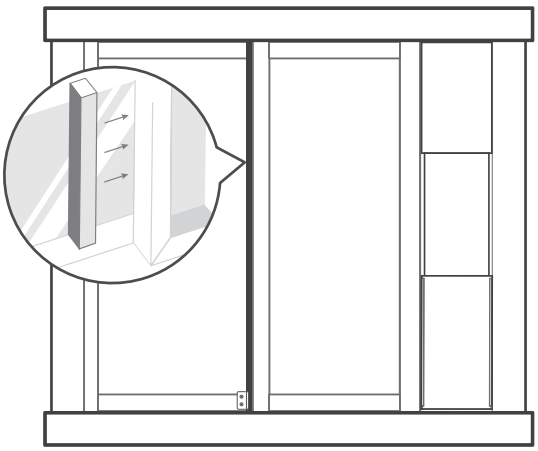

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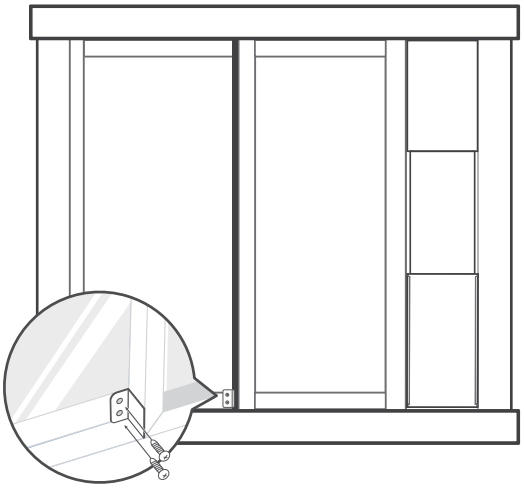
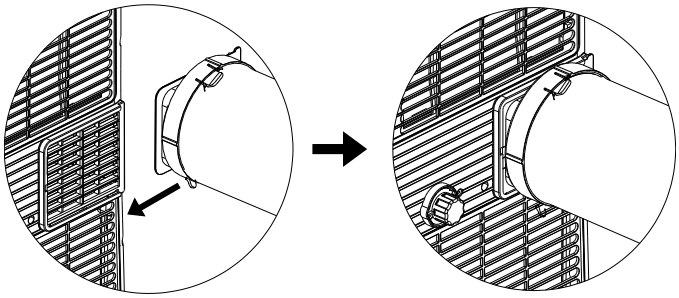


5. INSTALL THE EXHAUST HOSE ASSEMBLY TO THE UNIT

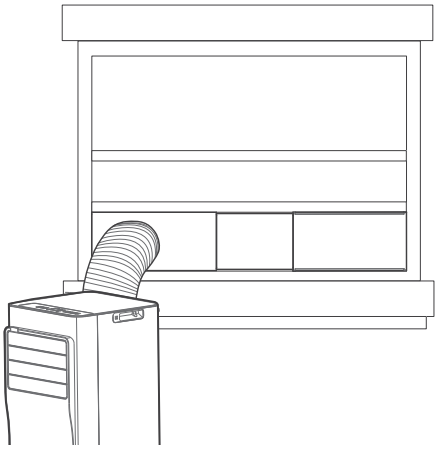
Align the hook with the hook seat, then slide the adapter down until it fits into the lower groove and securely hooks in place.



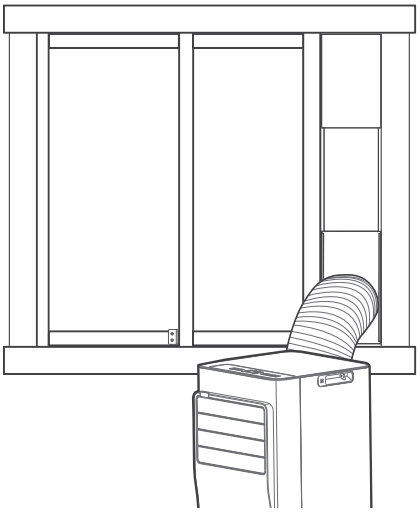
6. CONNECT THE WINDOW SLIDER ADAPTER TO WINDOW SLIDER A

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

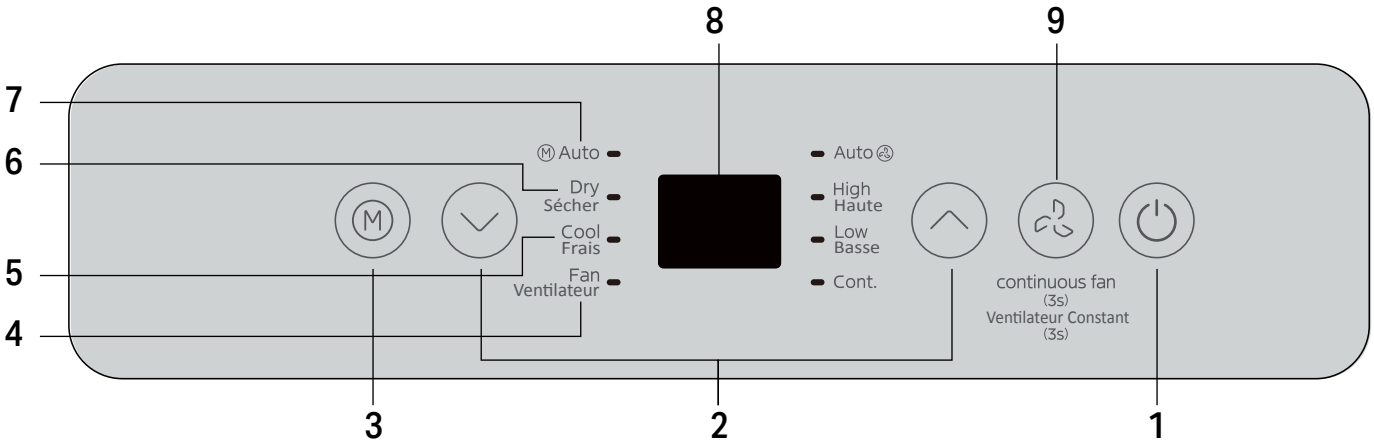
Hung Window Installation



Sliding Window Installation



OPERATION INSTRUCTIONS



CONTROL PANEL

1. POWER BUTTON

Press once to turn on; press again to turn off.

2. UP AND DOWN BUTTONS

Used to adjust (increasing/decreasing) temperature settings in 1°F / 1°C increments in a range of 60°F / 16°C to 86°F / 30°C.

Switching between Fahrenheit and Celsius:
The control panel can display the temperature in either Fahrenheit or Celsius. To switch between these two units, press and hold both the Up and Down buttons simultaneously for 3 seconds.

3. MODE BUTTON

Select the operating mode in the sequence: AUTO → DRY → COOL → FAN.

The appropriate LED indicator light will light to show which mode is active.

4. FAN ONLY mode

- When in FAN mode, press the FAN button to choose the fan speed. The temperature can not be adjusted.

  NOTE: Do not use the air exhaust hose while in FAN mode.

- Press the Fan Speed button (#9) to adjust fan speed.

5. COOL mode

- When in COOL mode, Press the UP and DOWN buttons to select your desired room temperature. The temperature can be set within a range of 60°F - 86°F / 16°C - 30°C.
- Press the Fan Speed button (#9) to adjust fan speed.

6. DRY mode

Press the MODE button until the DRY indicator light comes on. When in Dry mode, the fan speed and the temperature cannot be adjusted. The fanmotor operates at AUTO speed.

In Dry Mode, the unit will run continuously to collect moisture from the air but will not maintain a specific humidity level. Since the unit does not have a humidity sensor, it does not adjust humidity to a specific range.

NOTE:
- Keep windows and doors closed.
- Do not use the air exhaust hose while in DRY mode. The warm, air that would typically exit through the exhaust hose needs to be recirculated back into the room.

7. AUTO mode

- When you set the air conditioner to AUTO mode, it will automatically choose between cooling and fan-only operation, based on the temperature you have selected and the current room temperature.
- Use the Up and Down arrows to set your desired room temperature. The fan speed is not adjustable in this mode.
- The air exhaust hose must be installed in the window when the unit is in AUTO mode.
- When in AUTO mode, you can not select the fan speed.

8. DISPLAY

- The control panel can display the temperature in either Fahrenheit or Celsius. To switch between these two units, press and hold both the Up and Down buttons simultaneously for 3 seconds.
  When you select Auto, Dry, or Cool mode, the display panel will show the set temperature.
  When you select Fan mode, the display panel will show the current room temperature.
- Error Codes and Their Meanings:

  EH00: EEPROM error.

  EH60: Room temperature sensor error.

  EH61: Evaporator temperature sensor error.

  EC52: Condenser temperature sensor error (on some models).

  EH0b: Display panel communication error.

  EC: Refrigerant leakage detection malfunction(on some models).
- Shows protection code:

  P1: Bottom tray is full. Connect the drain hose and drain the collected water. If the P1 code does not clear, contact service.

NOTE: When one of the above malfunctions occurs, turn off the unit, and check for any obstructions. Restart the unit, if the malfunction is still present, turn off the unit and unplug the power cord. Contact the manufacturer, it's service agents or a similar qualified person for service.

9. CONTINUOUS FAN MODE

Control the fan speed. Press to select the fan speed in four steps: LOW, MED, HIGH and AUTO. The fan speed indicator light illuminates underdifferent fan settings.

NOTE: When in Cooling or Dry mode, press the Fan button for 3 seconds to turn on or off the constant fan function.

Benefits of the continuous Fan Function:
The continuous fan function offers several advantages for maintaining a comfortable indoor environment. When enabled, the fan continues to run even after the set temperature is reached, ensuring continuous air circulation throughout the room. This helps prevent stagnant air and promotes more even cooling or dehumidification, reducing hot or humid spots.

For those who prefer continuous airflow, such as during the night or in larger rooms, this feature enhances overall comfort. If continuous air movement is not needed, the function can be turned off for a more tailored cooling experience.

10. OTHER FEATURES

FOLLOW ME feature

The Follow Me feature allows the remote control to act as a portable thermostat, providing precise temperature control based on the remote's location rather than the air conditioner's. This helps create an even temperature throughout the room, eliminating hot and cold spots.

1. Stand near the air conditioner and point the remote control directly towards the unit.
2. Press the Follow Me button on the remote control. The air conditioner will then use the temperature reading from the remote control's location to adjust the room temperature accordingly.
3. The remote control will continuously send the Follow Me signal to the air conditioner until you press the button again to deactivate the feature. If the unit does not receive a signal from the remote control for any 7-minute interval, it will automatically exit the Follow Me mode.

This feature is not available when the unit is in FAN or DRY mode.

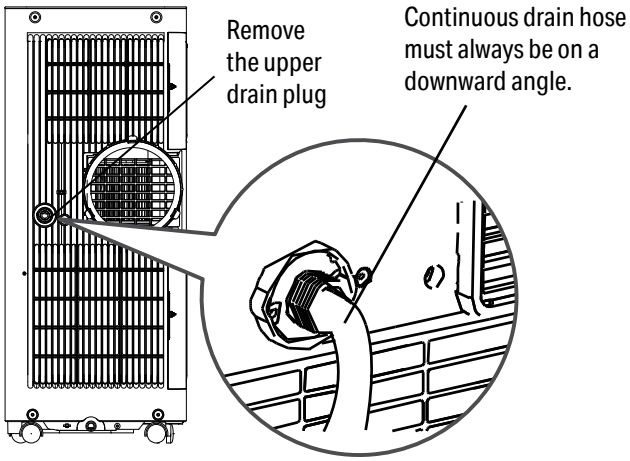
By using the Follow Me feature, you can ensure the most comfortable temperature where you are in the room, not just near the air conditioner.

DRAINAGE GUIDE

DRAINAGE

Dehumidifying Mode Drainage Guide

During dehumidifying mode, remove the upper drain plug from the back of the unit, install a drain connector (5/8" universal female adapter, not included) , and attach to a 3/4" hose (not included). Place the open end of the hose directly over the drain area in your basement floor or place it into a bucket.



NOTE: Make sure the hose is secure so there are no leaks. Direct the hose toward the drain, making sure that there are no kinks that will stop the water flowing. Place the end of the hose into the drain and make sure the end of the hose is facing downwards to allow for smooth water flow. The end of the drain hose cannot be facing upwards. When the continuous drain hose is not used, ensure that the corresponding drain plug and knob are installed firmly to prevent leakage.

Your unit will be primary self evaporative although it may need to be drained during high humidity or initial set up.

Water collection tray Drainage Guide

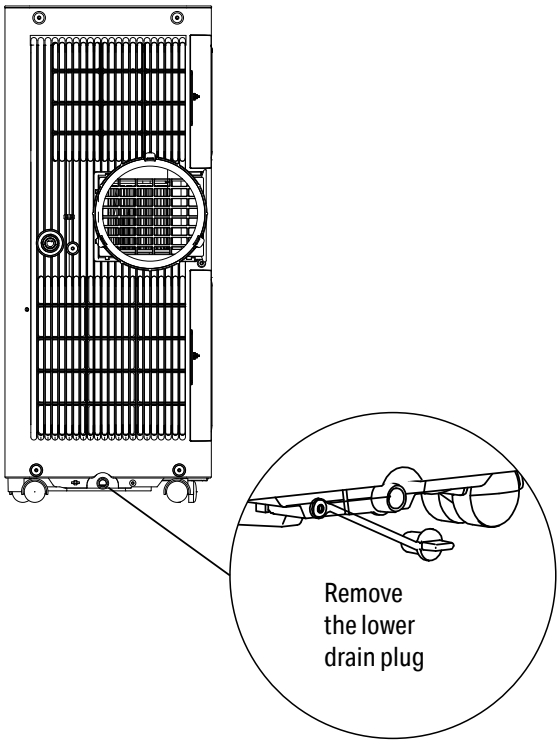
When the water level of the bottom tray reaches a predetermined level, the unit beeps 8 times, and the digital display shows "P1".

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. The "P1" in the display should turn off. If it does not, call for service.

The water collection tray should be drained immediately after "P1" error occurs, and before storage to prevent mold.

NOTE: Make sure the end of the hose is lower than the bottom tray drain outlet. Be sure to reinstall the bottom drain plug firmly to prevent leakage before using the unit.



ROUTINE AIR FILTER AND CABINET CLEANING

To ensure your portable air conditioner operates efficiently, regular cleaning and maintenance are essential. Follow these steps to keep your unit in top condition:

1. **UNPLUG THE UNIT**
   Always unplug the air conditioner from the power source before cleaning or servicing to avoid electrical hazards.

2. **REMOVE BOTH AIR FILTERS**
   Carefully remove both air filters according to the diagram. (The filters are integrated into the removable panels; there are no separate filters are located behind the removeable panels.)

3. **CLEAN THE AIR FILTER**
   Wash the air filter with warm water and mild detergent. Rinse thoroughly and allow it to air dry completely before reinstalling.

   ⚠ CAUTION Do not operate the unit without the air filter. Dirt and lint can clog the unit and reduce performance.

4. **CLEAN THE UNIT EXTERIOR**

- Use a damp, lint-free cloth with mild detergent to wipe down the exterior surfaces of the unit, including the cabinet and grill.

  ⚠ CAUTION Do not use flammable liquids, chemicals, or harsh cleansers to clean the unit. Never wash the unit under running water, as this can cause electrical hazards.

- Dry the unit with a dry, lint-free cloth.

5. **CHECK THE POWER SUPPLY**
   After cleaning, inspect the power cord for any damage. If the power cord was damaged during cleaning, do not operate the unit and call our customer service team.

MAINTENANCE TIPS

- Regular Filter Cleaning: Clean the air filter every two weeks for optimal performance. More frequent cleaning may be necessary in homes with pets or high dust levels.
- Drain the Water Collection Tray: Drain the water collection tray immediately after a P1 error occurs and before storing the unit to prevent mold growth.
- Wipe Down the Grill: In households with pets, periodically wipe down the grill to prevent blocked airflow due to animal hair.

By following these steps, you will help maintain your portable air conditioner's performance and extend its lifespan.

⚠ CAUTION DO NOT operate the unit without filter because dirt and lint will clog it and reduce performance.

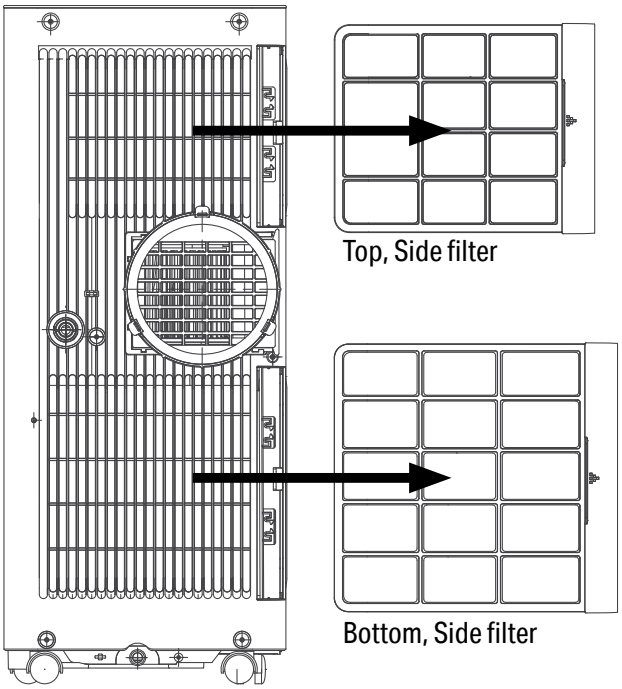
⚠ CAUTION

- 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.

REMOVE FOUR (4) AIR FILTERS

SIDE FILTER REMOVAL

Two (2) are located on the side of the machine.

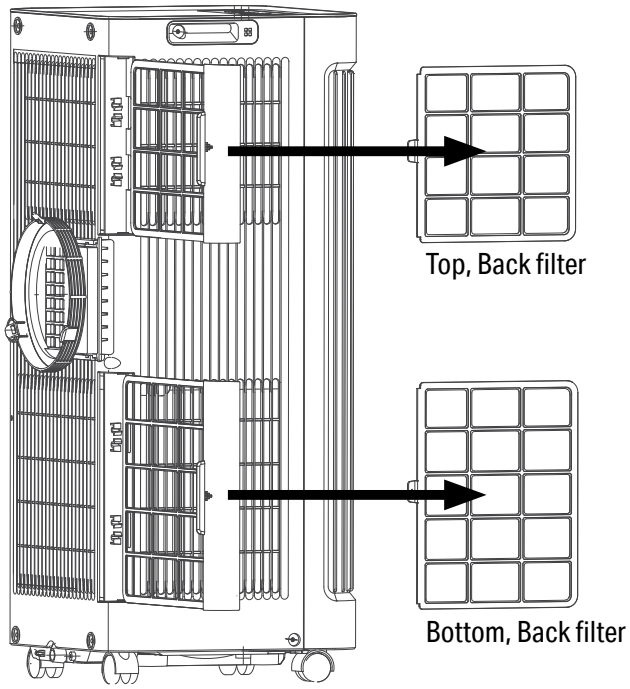



Top, Side filter


Bottom, Side filter

BACK FILTER REMOVAL

Two (2) are located on the back of the machine.




Top, Back filter


Bottom, Back filter

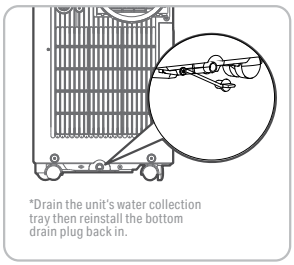
PREPARING FOR STORAGE

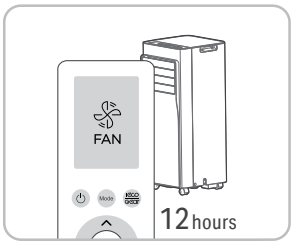
PREPARE FOR STORAGE

Preparing the Unit for Storage or length of time without consistent use:

Step 1 Drain the unit's water collection tray.

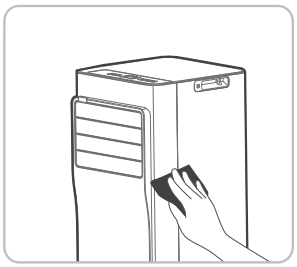
Step 2 Run the appliance on FAN mode for 12 hours in a warm room to dry it out and prevent mold growth.





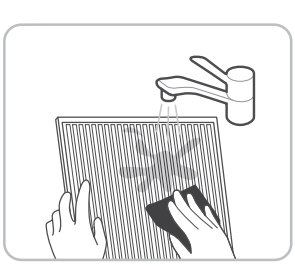
Step 3 Unplug the unit from outlet.

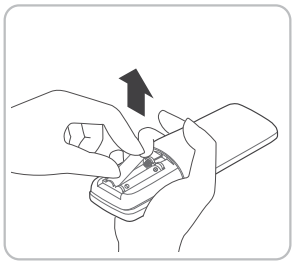
Step 4 Clean the exterior of the cabinet following the separate instructions provided.



Step 5 Clean the air filter according to the instructions in the previous section. Reinstall the clean, dry filter before storing the unit.

Step 6 Remove the batteries from the remote control. (It is recommended to use new batteries next season.)

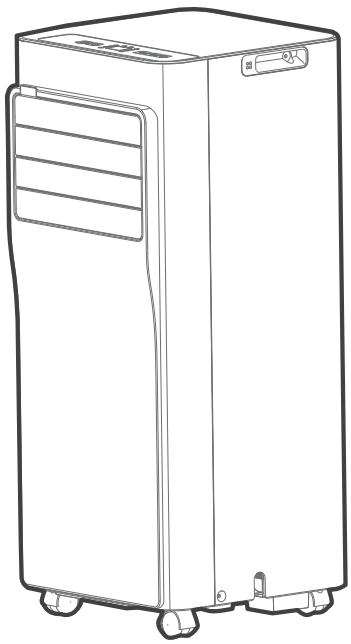




NOTE: Store the unit in a cool, dark place to protect it from direct sunlight or extreme heat, which can shorten its lifespan.

CLEANING THE EXTERIOR OF THE UNIT

1. Take an oil-free cloth and gently dust the cabinet and the front of the unit to remove any loose dirt or debris.
2. Prepare a cleaning solution using warm water and a small amount of mild liquid dishwashing detergent.
3. Dampen a cloth with the cleaning solution, thenM carefully wipe down the surfaces of the unit, including the cabinet and the front.
4. Next, use a clean cloth dampened with plain water to rinse the surfaces, removing any soap residue.
5. Dry the unit thoroughly with a soft, dry cloth to prevent water spots or streaks.
6. Avoid using any harsh cleansers, wax, or polish on the cabinet front, as these can damage the finish.
7. Before wiping around the control panel, make sure to wring out any excess water from the cloth to prevent water from getting into or around the controls, which could cause damage.



TROUBLESHOOTING

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

Problem	Possible Causes	Solution
UNIT DOES NOT TURN ON WHEN PRESSING ON/OFF BUTTON	P1 Protection 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.
	Exhaust hose is not connected or is blocked.	Turn off the unit, disconnect the hose, check for blackage and reconnect the hose.
	The unit is low on refrigerant.	Call a service technician to inspect the unit and top off refrigerant.
	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 ground 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.

NOTE: A highly recommended troubleshoot for any issue in general consists of turning off unit and unplugging for 5 minutes. It is also recommended to try another wall outlet. For further assistance, contact customer service.

The design and specifications are subject to change without prior notice for product improvement. Any updates to the manual will be uploaded to the Perfect Aire website (www.perfectaire.us), please check for the current version.

SCAN CODE TO
LEAVE A REVIEW

THANK YOU FOR YOUR PURCHASE!

We'd love to hear how you are enjoying your Perfect Aire product!
Please take a minute to tell us (and others) about your experience.

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