MOBILE AIR CONDITIONER

Owner's Manual & Installation Manual

element®

12,000 BTU Dual-Hose Inverter Portable Air Conditioner with Heater

EHPC12D

IMPORTANT NOTE:

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

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Safety Precautions

Read the Safety Precautions Before Operation and Installation Instructions.
To prevent death or 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 death, harm or damage.

WARNING
This symbol indicates the possibility of personal injury or loss of life.

CAUTION
This symbol indicates the possibility of property damage or serious consequences.

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 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 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.
- 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.
- Do not touch the unit with wet or damp hands or when barefoot.
- 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.

- 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.
- 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.

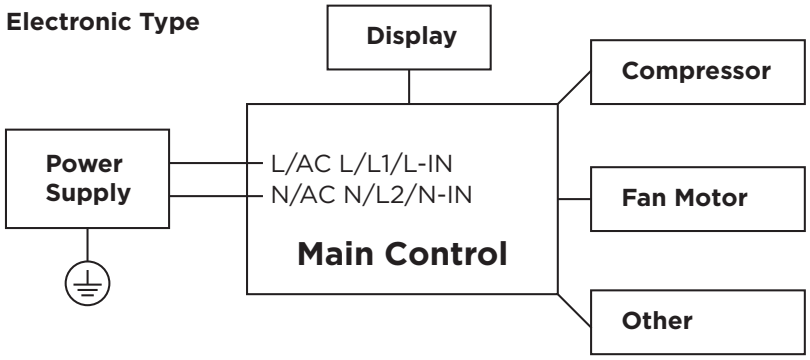
⚠ CAUTION

- This appliance 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 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 (be applicable for other countries except the European Countries).
- 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.
- 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 authorized service technician for repair or maintenance of this unit.
- Contact the authorized installer for installation of this unit.
- Do not cover or obstruct the inlet or outlet grilles.
- 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.
- 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.

Electronic Work

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



NOTICE:

Please strictly follow the wiring label attached to the machine for all wiring connections.
The wiring diagram may vary for different units. Please refer to the wiring diagram on the machine you have purchased. The above wiring diagram is a simplified version for preliminary illustration purposes only.

WARNING for Using R32 Refrigerant

- 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 or an operating electric heater).
- Do not pierce or burn.
- Be aware that the refrigerants may not contain an odour.
- Appliance should be installed, operated and stored in a room with a floor area according to the amount of refrigerant to be charged. For specific information on the type of gas and the amount, please refer to the relevant label on the unit itself. When there are differences between the lable and the manual on the Min. room area description, the description on label shall prevail.
- Appliance shall be installed, operated and stored in a room with a floor area larger than 4 m^2. Appliance shall not be installed in an unvertilated space, if that space is smaller than 4 m^2.
- No open fire or device like switch which may generate spark/arcing shall be around the 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.

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

⚠ WARNING 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.
-When maintaining or disposing the appliance, the refrigerant shall be recovered properly, as it shall not be discharged in the air directly.
-Compliance with national gas regulations shall be observed.
-Keep ventilation openings clear of obstruction.
-The appliance shall be stored in a way 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 recognised 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.

1.Transport of equipment containing flammable refrigerants

See transport regulations.

2.Marking of equipment using signs

See local regulations.

3.Disposal of equipment using flammable refrigerants

See national regulations.

4.Storage of equipment/appliances

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

5.Storage of packed (unsold) equipment

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

6.Information on servicing

1)Checks to the area

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

2)Work procedure

Work shall be undertaken under a controlled procedure so as to minimize the risk of a flammable gas or 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 refrigerating detector prior to and during work, to ensure the technician is aware of potentially flammable atmospheres. Ensure that the leak detection equipment being used is suitable for use with flammable refrigerants, i.e. non-sparking, adequately sealed or intrinsically safe.

5)Presence of fire extinguisher

If any hot work is to be conducted on the refrigeration equipment or any associated parts, appropriate fire extinguishing equipment shall be available to hand. Have a dry powder or CO_2 fire extinguisher adjacent to the charging area.

6)No ignition sources

No person carrying out work in relation to a refrigerating system which involves exposing any pipe work that contains or has contained flammable refrigerant shall use any sources of ignition in such a manner that it may lead to the risk of fire or explosion. All possible ignition sources, including cigarette smoking, should be kept sufficiently far away from the site of installation, repairing, removing and disposal, during which flammable refrigerant can possibly be released to the surrounding space. Prior to work taking place, the area around the equipment is to be surveyed to make sure that there are no flammable hazards or ignition risks. No Smoking signs shall be displayed.

7)ventilated area

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

8)Checks to the refrigerating equipment

Where electrical components are being changed, they shall be fit for the purpose and to the correct specifications. At all times the manufacturer's maintenance and service guidelines shall be followed. If in doubt consult the manufacturer's technical department for assistance. The following checks shall be applied to installations using flammable refrigerants: the actual refrigerant charge is in accordance with the room size within which the refrigerant containing parts are installed; the ventilation machinery and outlets are operating adequately and are not obstructed; if an indirect refrigerating circuit is being used, the secondary circuit shall be checked for the presence of refrigerant; marking to the equipment continues to be visible and legible. Markings and signs that are illegible shall be corrected, and refrigerating pipe or components are installed in a position where they are unlikely to be exposed to any substance which may corrode refrigerant containing components, unless the components are constructed of materials which are inherently resistant to being corroded or are suitably protected against being so corroded.

9)Checks to electrical devices

Repair and maintenance to electrical components shall include initial safety checks and component inspection procedures. If a fault exists that could compromise safety, then no electrical supply shall be connected to the circuit until it is satisfactorily dealt with. If the fault cannot be corrected immediately but it is necessary to continue operation, an adequate temporary solution shall be used. This shall be reported to the owner of the equipment so all parties are advised. Initial safety checks shall include: That capacitors are discharged: this shall be done in a safe manner to avoid possibility of sparking; that there no live electrical components and wiring are exposed while charging, recovering or purging the system; that there is continuity of earth bonding.

7.Sealed electrical components shall be replaced.

8. Intrinsically safe components must be replaced.

9. Cabling

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

10.Detection of flammable refrigerants

Under no circumstances shall potential sources of ignition be used in the searching for or detection of refrigerant leaks. A halide torch (or any other detector using a naked flame) shall not be used.

The following leak detection methods are deemed acceptable for systems containing flammable refrigerants. Electronic leak detectors shall be used to detect flammable refrigerants, but the sensitivity may not be adequate, or may need re-calibration. (Detection equipment shall be calibrated in a refrigerant-free area.) Ensure that the detector is not a potential source of ignition and is suitable for the refrigerant used. Leak detection equipment shall be set at a percentage of the LFL of the refrigerant and shall be calibrated to the refrigerant employed and the appropriate percentage of gas (25 % maximum) is confirmed. Leak detection fluids are suitable for use with most refrigerants but the use of detergents containing chlorine shall be avoided as the chlorine may react with the refrigerant and corrode the copper pipe-work. If a leak is suspected, all naked flames shall be removed/ extinguished. If a leakage of refrigerant is found which requires brazing, all of the refrigerant shall be recovered from the system, or isolated (by means of shut off valves) in a part of the system remote from the leak. Removal of refrigerant shall be according to Removal and evacuation.

11.Removal and evacuation

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

-Safely remove refrigerant following local and national regulations;

-Evacuate;

-Purge the circuit with inert gas (optional for A2L);

-Evacuate (optional for A2L);

-continuously flush or purge with inert gas when using flame to open circuit; and open the circuit.

-The refrigerant charge shall be recovered into the correct recovery cylinders if venting is not allowed by local and national codes. For appliances containing flammable refrigerants, the system shall be purged with oxygen-free nitrogen flammable refrigerants. This process might compressed air or oxygen shall not be used for purging refrigerant systems.

For appliances containing flammable refrigerants, refrigerants purging shall be achieved by breaking the vacuum in the system with oxygen-free nitrogen and continuing to fill until the working pressure is achieved, then venting to atmosphere, and finally pulling down to a vacuum (optional for A2L). This process shall be repeated until no refrigerant is within the system (optional for A2L). When the final oxygen-free nitrogen charge is used, the system shall be vented down to atmospheric pressure to enable work to take place. The outlet for the vacuum pump shall not be close to any potential ignition sources, and ventilation shall be available.

12.Charging procedures

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

13.Decommissioning

Before carrying out this procedure, it is essential that the technician is completely familiar with the equipment and all its detail. It is recommended good practice that all refrigerants are recovered safely. Prior to the task being carried out, an oil and refrigerant sample shall be taken in case analysis is required prior to re-use of reclaimed refrigerant. It is essential that electrical power is available before the task is commenced.

a) Become familiar with the equipment and its operation.

b) Isolate system electrically.

c) Before attempting the procedure ensure that: Mechanical handling equipment is available, if required, for handling refrigerant cylinders;all personal protective equipment is available and being used correctly; the recovery process is supervised at all times by a competent person; recovery equipment and cylinders conform to the appropriate standards.

d) Pump down refrigerant system, if possible.

e) If a vacuum is not possible, make a manifold so that refrigerant can be removed from various parts of the system.
f) Make sure that cylinder is situated on the scales before recovery takes place.
g) Start the recovery machine and operate in accordance with 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.

14.Labelling

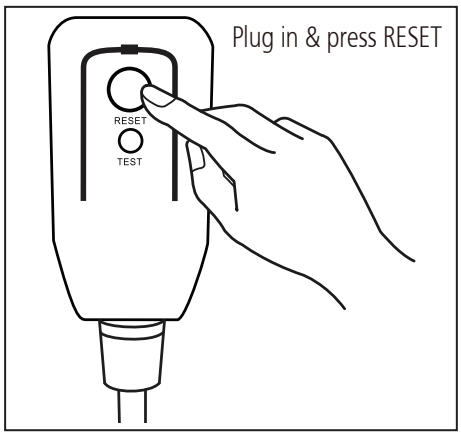
Equipment shall be labelled stating that it has been de-commissioned and emptied of refrigerant. The label shall be dated and signed. Ensure that there are labels on the equipment stating the equipment contains flammable refrigerant.

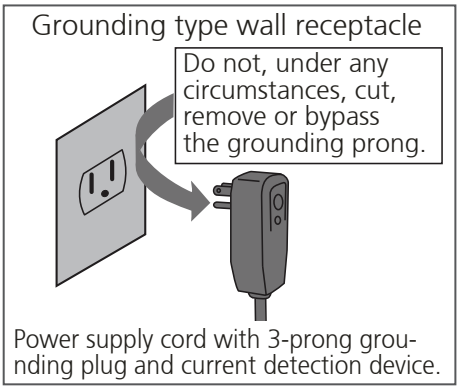
15.Recovery

When removing refrigerant from a system, either for servicing or decommissioning, it is recommended good practice that all refrigerants are removed safely. When transferring refrigerant into cylinders, ensure that only appropriate refrigerant recovery cylinders are employed. Ensure that the correct number of cylinders for holding the total system charge is available. All cylinders to be used are designated for the recovered refrigerant and labelled for that refrigerant (i.e. special cylinders for the recovery of refrigerant). Cylinders shall be complete with pressure relief valve and associated shut-off valves in good working order. Empty recovery cylinders are evacuated and, if possible, cooled before recovery occurs. The recovery equipment shall be in good working order with a set of instructions concerning the equipment that is at hand and shall be suitable for the recovery of the flammable refrigerant. If in doubt, the manufacturer should be consulted. In addition, a set of calibrated weighing scales shall be available and in good working order. Hoses shall be complete with leak-free disconnect couplings and in good condition.

The recovered refrigerant shall be processed according to local legislation in the correct recovery cylinder, and the relevant waste transfer note arranged. Do not mix refrigerants in recovery units and especially not in cylinders. If compressors or compressor oils are to be removed, ensure that they have been evacuated to an acceptable level to make certain that flammable refrigerant does not remain within the lubricant. The compressor body shall not be heated by an open flame or other ignition sources to accelerate this process. When oil is drained from a system, it shall be carried out safely.

Operation of Current Device





The power supply cord contains a current measuring device that detects damage to the power cord. Test your power supply cord as follows:

1. Plug in the air conditioner.
2. The power supply cord will have TWO buttons on the plug head. Press the TEST button. You will notice a click as the RESET button pops out.
3. Press the RESET Button. You will notice a click as the button engages.
4. The power supply cord is now supplying electricity to the unit. (On some products this is also indicated by a light on the plug head.)

NOTICE

The power supply cord with this air conditioner contains a current detection device designed to reduce the risk of fire.
In the event that the power supply cord is damaged, it cannot be repaired. It must be replaced with a cord from the manufacturer.

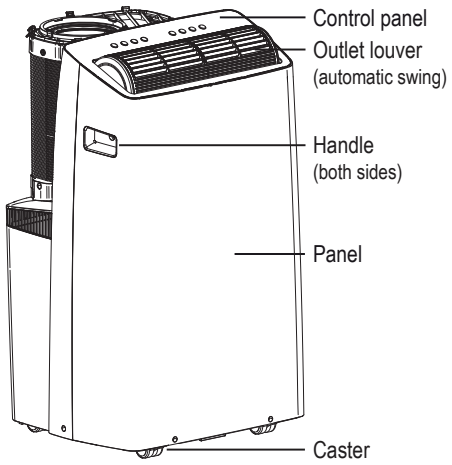
NOTICE

- Do not use this device to turn the unit on or off.
- Always make sure the RESET button is pushed in for correct operation.
- The power supply cord must be replaced if it fails to reset when either the TEST button is pushed, or it cannot be reset. Please contact Customer Service.

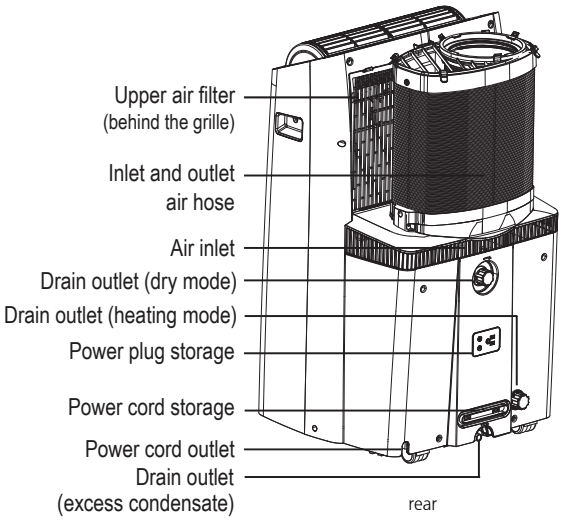
Installation Instructions

Preparation

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 controller. This manual does not include Remote Controller Operations, see the <<Remote Controller Instruction>> packed with the unit for details.



front



rear

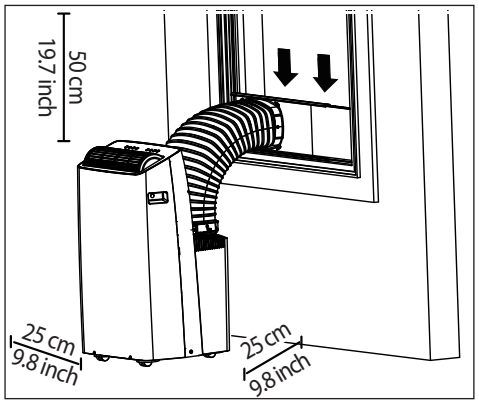
Exhaust Hose Installation

The exhaust hose and adaptor must be installed or removed in accordance with the usage mode. For COOL, HEAT (heat pump type) or AUTO mode must be installed exhaust hose. For FAN, DRY or HEAT (electrical heat type) mode must be removed exhaust hose.

Ambient Temperature Range For Unit Operating

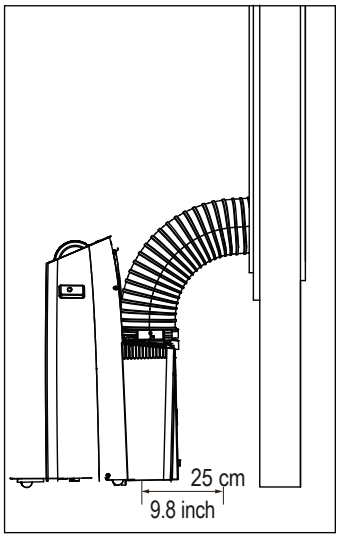
MODE	Temperature Range	MODE	Temperature Range
Cool	60-95°F (16-35°C)	Heat(pump heat mode)	41-86°F (5-30°C)
Dry	55-95°F (13-35°C)	Heat(electrical heat mode)	≤ 86°F (30°C)

Choosing The Right 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.
-The unit should be located at least 9.8" (25cm) from the nearest wall to ensure proper air conditioning. The horizontal louver blade should be at least 19.7" (50cm) away from obstacles.
-DO NOT cover the Intakes, Outlets or Remote Signal Receptor of the unit, as this could cause damage to the unit.

Recommended Installation



NOTICE

The appearance of your unit might be slightly different.

⚠ WARNING

- 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 recycling must be done according to local regulations.

Energy Rating Information

Mobile air conditioner with combined exhaust hose need the Exhuast Adaptor to test the condenser inlet and outlet airflows. The Exhuast Adaptor must be provided by the manufacturer. The Exhuast Adaptor connects the condenser inlet and outlet airflows to the airflow measuring instrument in laboratory.

How to Stay Cool with a New Portable 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.

What should I look for first when purchasing a portable 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 is the cooling capacity lower on newer models than on older units?

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 ?

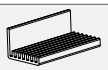
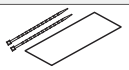
SACC is the representative value of Seasonally Adjusted Cooling Capacity, in Btu/h, as determined in accordance with the DOE test procedure at title 10 Code of Federal Regulations (CFR) 430, subpart B, appendix CC and applicable sampling plans.

Tools Needed

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

Accessories

NOTE: Your window Installation Kit fits windows 19.1''-63.8''(48.4-162cm). Please doublecheck all packaging materials to make sure accessories do not get accidentally thrown away. Items with (*) are on some models. Slight variations in design may occur.

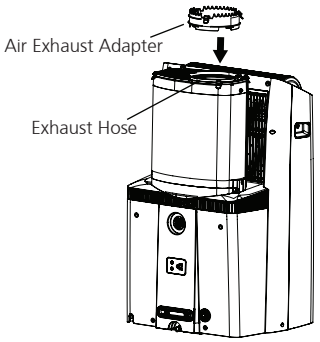
Shape	Name of Accessories	Qty.	Shape	Name of Accessories	Qty.
	Air exhaust adapter	1 pc		Window Slider Foam (adhesive)	2 pc(*)
	Bolt	1 - 8 pc		Security Bracket and 2 Screws	1 set
	Window Sliders(model dependent)	2-5 pc(*)		Drain Hose	1 pc
	Window Kit Brace	1 pc(*)		Drain Hose Adaptor (only for heat pump model)	1 pc(*)
	Sliding Window Adapter–Front	1 pc(*)		Power Cord Buckle (only for cooling model)	1 pc(*)
	Sliding Window Adapter–Rear	1 pc(*)		Remote Controller and Battery (only for remote control models)	1 set
	Sliding Window Adapter–Air Divider	1 pc(*)		Heat pump hose insulation foam (optional)	1 set(*)
	Foam Seal A (Adhesive)	4 or 2pc		1 Screw (on Exhaust adaptor)	1 pc(*)
	Foam Seal B (Adhesive)	2 pc		Foam Seal C (Non-adhesive)	2 or 1pc

Window Installation Kit

1. For Hung Window types only

Insert the Air Exhaust Adapter into the exhaust of the hose (the circular opening) for optimal performance. Rotate the adapter clockwise until the locking tabs click and it no longer rotates.

Skip this step if installing into a horizontal sliding window. The Air Exhaust adapter may interfere with some window screens, and can be removed if desired (Please note this may slightly decrease performance).

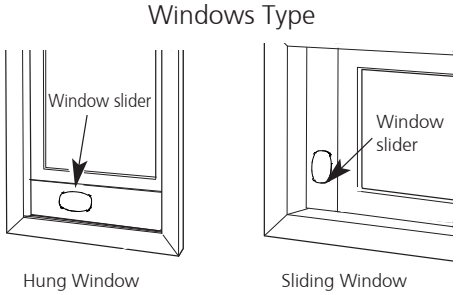


2. Preparing the adjustable window slider

1)Depending on the size of your window, adjust the size of the window slider.Use the combination of panels that best fits your window opening.

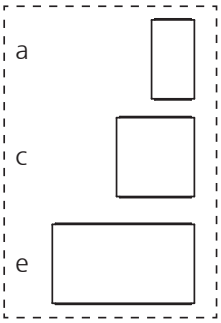
2)If the length of the window requires two or more window sliders, use the bolt to fasten the window sliders once they are adjusted to the proper length.

3)If installing in a sliding window, bolts should be installed on both sides of the window sliders.

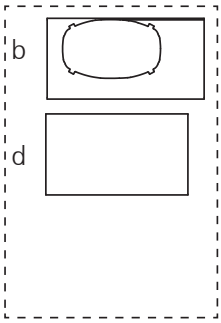


TYPE ONE

Three Window Sliders with side holes



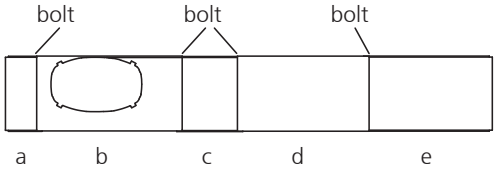
Two Window Sliders without side hole



Use the table below to determine what combinationof Window Sliders is correct for your window

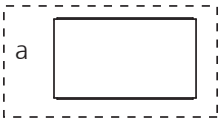
Table 1 (For some units)

window slider	window dimension (mm)			window dimension (inch)		
a+b	484	~	592	19.1	~	23.3
b+c	592	~	696	23.3	~	27.4
a+b+c	696	~	802	27.4	~	31.6
b+e	802	~	896	31.6	~	35.3
a+b+e	896	~	998	35.3	~	39.3
a+b+c+d	998	~	1210	39.3	~	47.6
a+b+c+d+e	1210	~	1620	47.6	~	63.8

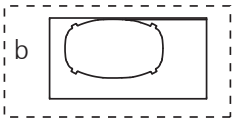


TYPE TWO

Three Window Sliders with side holes



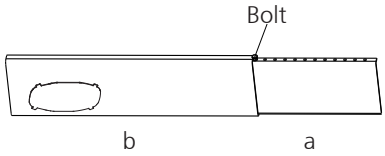
Two Window Sliders without side hole



Use the table below to determine what combination of Window Sliders is correct for your window

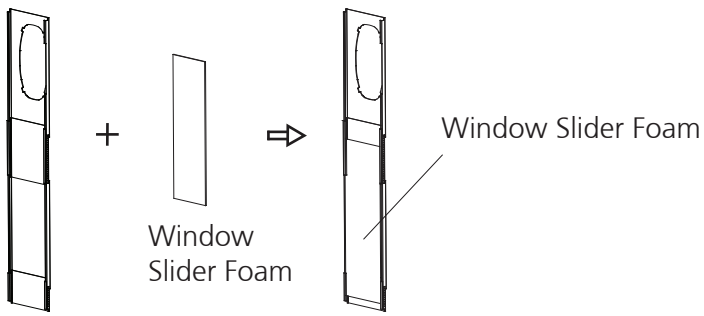
Table 2 (For some units)

window slider	window dimension (mm)			window dimension (inch)		
a+b	675	~	1245	26.8	~	49.0



3. Applying insulation to the window slider (For some units)

After assembling the window slider to your proper dimension, cut and apply the foam insulation sheets to the exterior side of the window slider.



NOTICE

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

Installation

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 Fig.1.

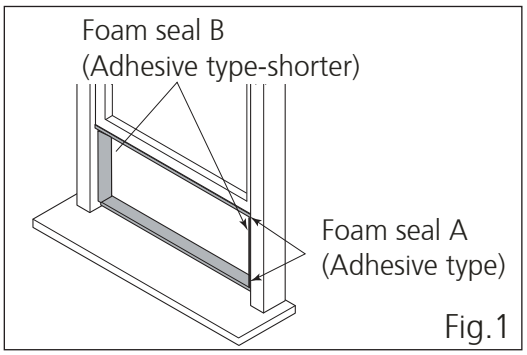


Fig.1

2. Insert the window slider assembly into the window track. If the hose opening is covered by the lip of the window frame, rotate the panel so the thicker side faces the window frame.(see Fig.2)

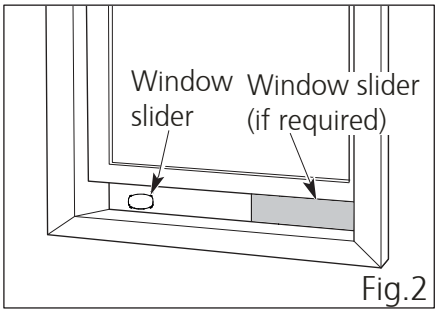


Fig.2

For some units, attach the Window Kit Brace to the back of the hose panel to brace against the window so the window slider panels do not lean inward. (see Fig.3)

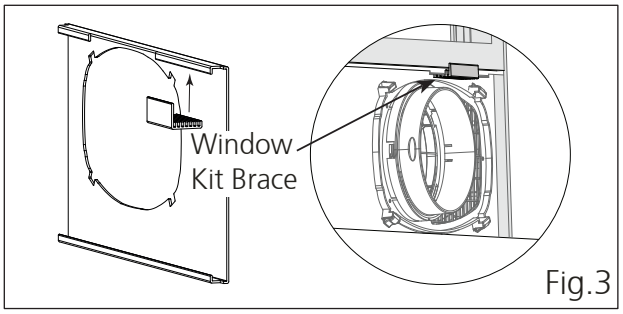


Fig.3

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.(see Fig.4)

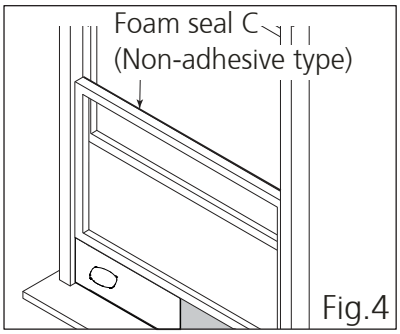


Fig.4

4. If desired, install the security bracket with 2 screws as shown.(see Fig.5)

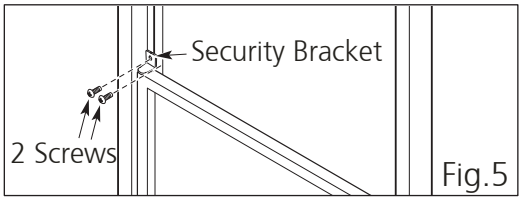


Fig.5

5. Attach the hose to the window slider panel by inserting the end of the hose into the opening on the slider.(see Fig.6)

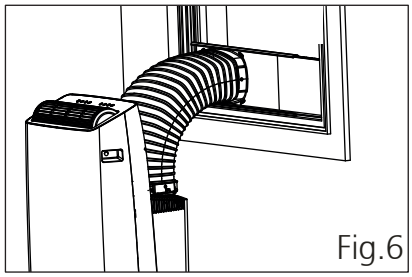


Fig.6

Type 2: Sliding window installation (Optional)

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.(see Fig.7)

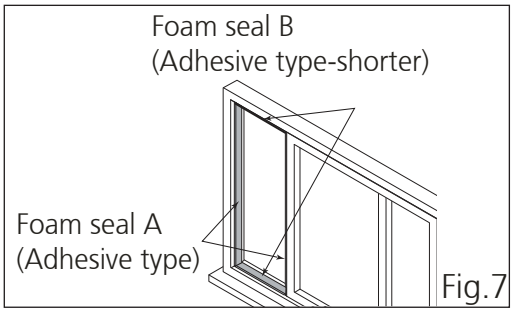


Fig.7

2. Assembling the Sliding Window Adapter (Only needed for Sliding Window applications): Align both halves of the sliding window adapter and connect them. Then, attach the air divider to the newly formed window adapter on the outdoor side. The fully assembled adapter should look like the image at the left.(see Fig.8)

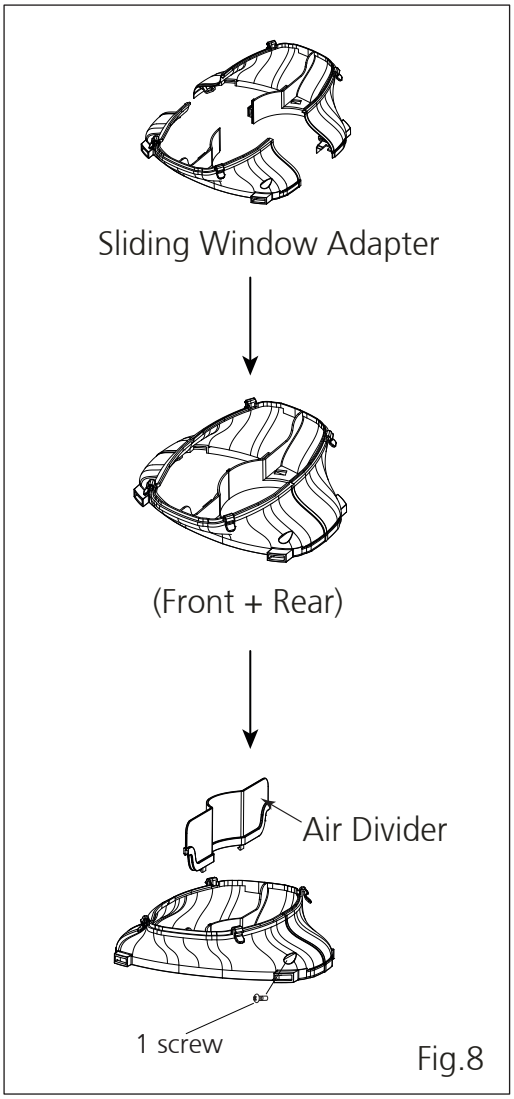


Fig.8

3. Insert the window slider assembly into the window track. If the hose opening is covered by the window frame, rotate the panel so the thicker side faces the window frame. (see Fig.9)

   For some units, attach the Window Kit Brace to the back of the hose panel to brace against the window so the window slider panels do not lean inward.(see Fig.10)

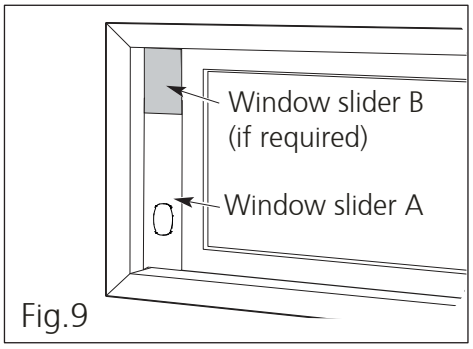


Fig.9

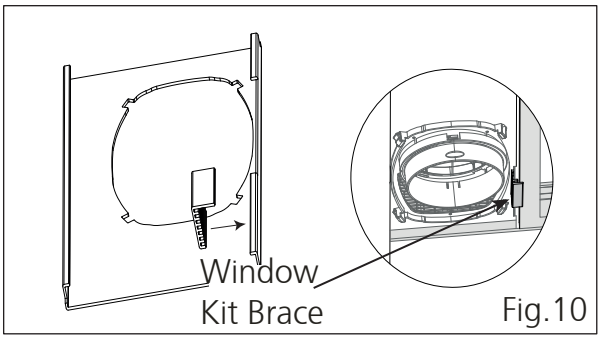


Fig.10

4. Be sure bolts are installed in both sides of the window slider for improved rigidity.

5. 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.(see Fig.11)

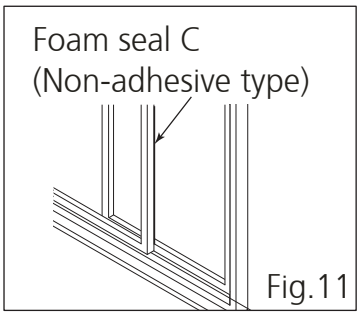


Fig.11

6. If desired, install the security bracket with 2 screws as shown.(see Fig.12)

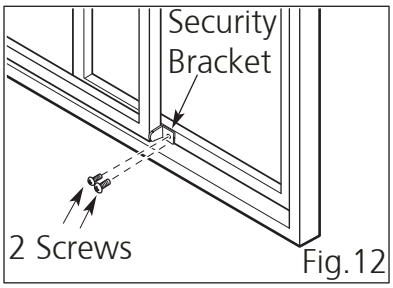


Fig.12

7. Attach the Sliding Window Adapter to the hose by lining up the circles on the adapter the hose. Insert the window slider adapter into the hole of the window slider.(see Fig.13)

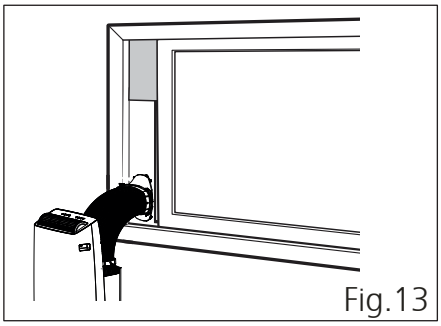
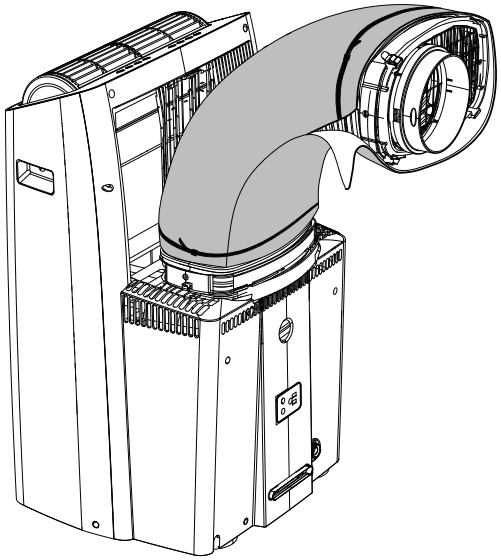


Fig.13

Heat Pump Hose Insulation Foam (Only for Heat Pump Mode)

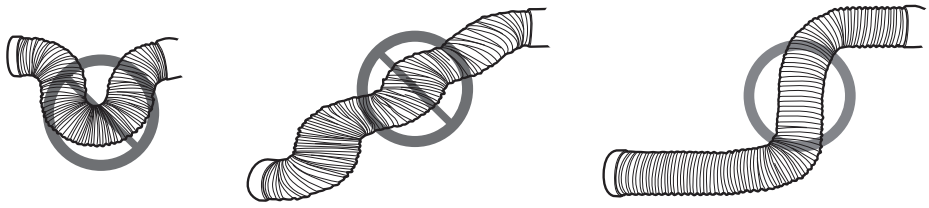
NOTE: When the unit is at heat mode, the heat pump hose insulation foam must be fixed in the hose of unit.

If you are experiencing condensation on the outer section of the hose during heating operation, apply the included heat pump insulation foam to the outside of the hose. Use the included zip ties to secure the foam around the hose.



NOTICE

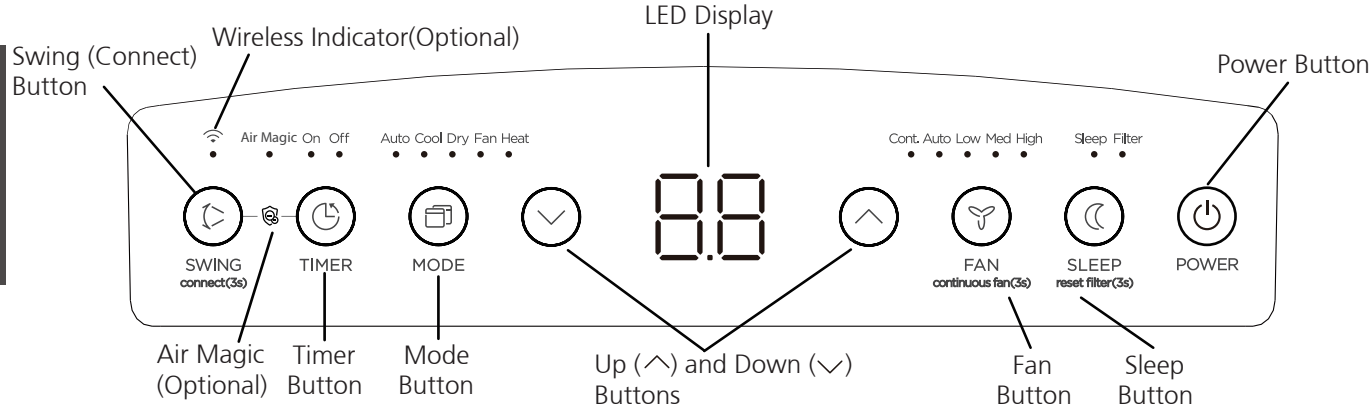
To ensure proper function, DO NOT overextend or bend the hose. Make sure that there are no objects within 20in (~500mm) of the inlet and outlet hose. All illustrations in this manual are for explanation purposes only, your air conditioner may be slightly different than shown.

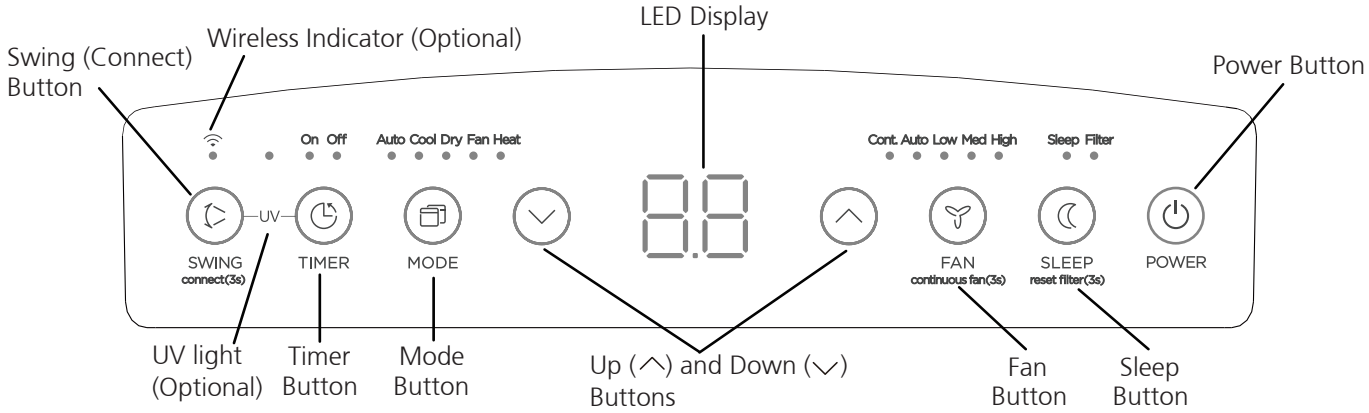


Operating Instructions

Control Panel Features

NOTE: The following control panels are for explanation purpose only. The control panel of the unit you purchased may be slightly different according to the models. Your machine may not contain some indicators or buttons. The actual shape shall prevail.





Power Button

· Powers the unit on and off.

Swing Button

· Used to initiate the Auto Swing feature. When the operation is ON, pressing the SWING button can stop the louver at the desired angle.

Wireless Connection Feature (on some models)

· The swing button is also used to initiate the wireless connection mode.For the first time to initiate the wireless connection mode, power on the air conditioner then press the SWING button for 3 seconds. The LED DISPLAY will show 'AP' to indicate the unit is in wireless connection mode.
Refer to the app connection instructions to finish the connection process.If the connection is successful, the unit will exit wireless connection mode and illuminate the wireless LED. If the connection fails, the unit will exit wireless connection mode automatically after 8 minutes and the wireless LED does not illuminate.

NOTE: The wireless connection process must be completed within 8 minutes after entering the wireless connection mode.
When you restart the Wireless function, it may take a period of time to connect to the network automatically.

Timer Button

· Used to initiate the AUTO ON start time and AUTO OFF stop time program. The timer on or off light will illuminate depending on the selected setting.

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, FAN and HEAT (Heat models only). The mode light illuminates and indicates the selected mode.

Up (∧) and Down (∨) Buttons

· Used to increase/decrease temperature settings in 1° increments in a range of 60°F/16°C to 86°F/30°C or the TIMER setting in a range of 0 ~ 24hrs.

· To change between °F or °C, simultaneously press and hold the Up and Down buttons for 3 seconds.

Fan Button/Continuous fan (on some models) button

· Controls the fan speed. Press to control the fan speed in four steps - LOW, MID, HIGH and AUTO. The selected fan speed light will illuminate.

NOTE: Applicable to models with the Constant Fan feature. 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, indicating the fan will run constantly. When the function is turned off, the constant fan light will go out, indicating that the fan will stop when the compressor stops.

Sleep Button

· Used to initiate the SLEEP operation.

· Pressing this button will increase (during cooling operation) or decrease (during heating operation, applicable models) 2°F/1°C after 30 minutes. The temperature will again increase (cooling) or decrease (heating) by another 2°F/1°C 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 mode and the unit will continue to operate as originally programmed.

· Press SLEEP button for 3 seconds to initiate the filter feature.This feature is a reminder to clean the Air Filter for more efficient operation. The LED (the light above the button) will illuminate after 250 hours of operation.

Air Magic Feature (on some models)

· Press SWING button and TIME button at the same time for 3 seconds to initiate Air Magic feature and the Air Magic light illumiantes, the LED DISPLAY shows 'On' for 3 seconds for some units. Press it for 3 seconds again to stop the Air Magic feature and the Air Magic light turn dark, the LED DISPLAY shows 'OF' for 3 seconds for some units.

UV Feature (on some models)

· Press SWING button and TIME button at the same time for 3 seconds to initiate UV-C lamp feature and the UV light illumiantes, the LED DISPLAY shows 'On' for 3 seconds for some units. The UV-C lamp feature will help to purify the air inside. Press it for 3 seconds again to stop the UV-C lamp feature and the UV light turn dark, the LED DISPLAY shows 'OF' for 3 seconds for some units.

LED Display

· Shows the set temperature in °F (Degrees Fahrenheit) ("°F" not on display for some models) or °C (Degrees Celsius) and the Auto-timer settings. While on DRY and FAN modes, it shows the room temperature.

· Shows Error codes and protection code:
The unit may stop operation or continue to run safely. If the error codes appear, wait for about 10 minutes. The problem may resolve itself. If not, disconnect the power, then connect it again. Turn the unit on. If the problem persists, disconnect the power and contact your nearest customer service center.
Error code appears and begins with the letters as the following in the window display of indoor unit:EH(xx), EL(xx), EC(xx), PH(xx), PL(xx), PC(xx)
P1-Bottom tray is full--Connect the drain hose and drain the collected water away.If protection repeats,call for 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 or its service agents or a similar qualified person for service.

Operation Instructions

COOL Operation

· Press the "MODE" button until the "COOL" indicator light comes on.

· Press the ADJUST buttons "UP" or "DOWN" to select your desired room temperature. The temperature can be set within a range of 60°F/16°C to 86°F/30°C.

· Press the "FAN SPEED" button to choose the fan speed.

FAN Operation

· Press the "MODE" button until the"FAN " indicator light comes on.

· Press the "FAN SPEED" button to choose the fan speed. The temperature can not be adjusted.

DRY Operation

· Press the "MODE" button until the "DRY" indicator light comes on.

· Under this mode, you cannot select a fan speed. The fan motor operates at AUTO speed.

· Keep windows and doors closed for the best dehumidifying effect.

AUTO Operation

· When you set the air conditioner in AUTO mode, it will automatically select cooling, heating(cooling only models without), or fan only operation depending on what temperature you have selected and the room temperature.

· The air conditioner will control room temperature automatically round the temperature point set by you.

· Under AUTO mode, you can not select the fan speed.

HEAT Operation (cooling only models without)

· Press the "MODE" button until the "HEAT" indicator light comes on.

· Press the ADJUST buttons "UP" or " DOWN" to select your desired room temperature. The temperature can be set within a range of 16°C/60°F to 30°C/86°F

· Press the "FAN SPEED" button to choose the fan speed.

TIMER Operation

· When the unit is on, press the Timer button and it 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.

· When the unit is off, press the Timer button to initiate the Auto-on start program, press it again within 5 seconds to 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.

· The system will automatically revert back to display the previous temperature setting if there is no operation in a 5 second period.

· 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.

Other Features

TEMP SENSING Feature (on some models)

NOTE:This feature can be activated from the remote control ONLY. There is no indicator light on the control panel. The remote control serves as a remote thermostat allowing for the precise temperature control at its location.

To activate the Temp Sensing feature, point the remote control towards the unit and press the I SENSE button. The remote control will send this signal to the air conditioner until press the I SENSE button again. If the unit does not receive the Temp Sensing signal during any 7 minutes interval, the unit will exit the Temp Sensing mode.

NOTE: This feature is unavailabe under FAN or DRY mode.

AUTO-RESTART
If the unit breaks off unexpectedly due to the power cut, it will restart with the previous function setting automatically when the power resumes.

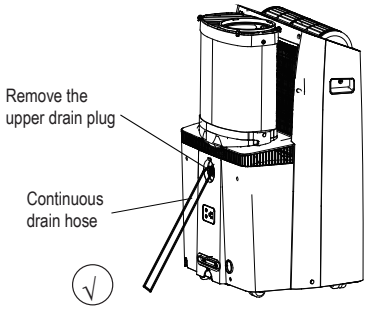
WAIT 3 MINUTES BEFORE RESUMING OPERATION
After the unit has stopped, operation cannot be restarted for 3 minutes. This is to protect the unit. Operation will automatically start after 3 minutes.

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 controller to initiate the Auto swing feature. The louver willl swing up and down automatically.
- Please do not adjust the louver manually.

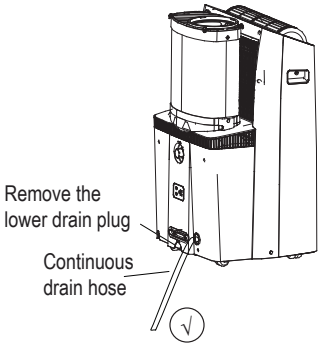
Water Drainage

· During dehumidifying modes, remove the upper drain plug from the back of the unit, install the drain hose. For the models without 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.



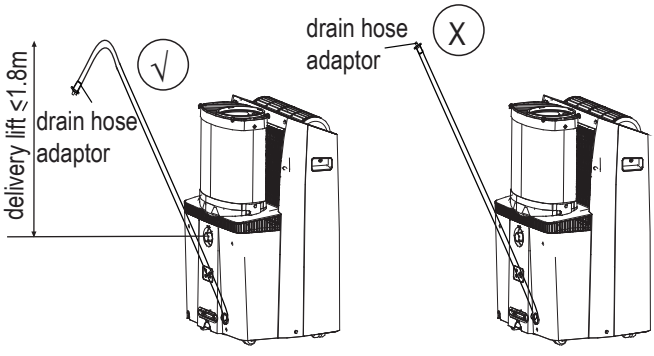
Water Drainage (For Heating Mode)

· While operating in heat pump mode, the unit will produce condensation that must be drained. You must install the drain hose when operating in heat mode. To install the drain hose, remove the plug from the drain port and attach the included hose. The universal drain adaptor can be attached to the end of the included hose. A 3/4" hose (not included) can be attached to the adaptor if a longer hose length is required. Place the end of the hose in the drain area you are using.



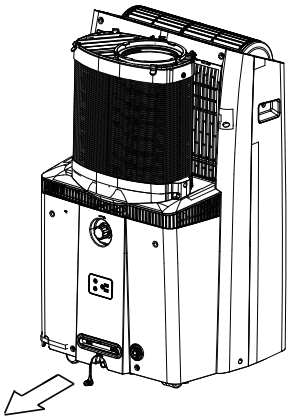
Note: Make sure the drain hose is lower than the bottom tray drain outlet.

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 down to let the water flow smoothly.(See Figs with √). Never tilt it up.(See Figs with X). When the continuous drain hose is not used, ensure that the corresponding drain plug and knob are installed firmly to prevent leakage.



· When the water level of the bottom tray reaches a predetermined level, the unit beeps 8 times, the digital display area 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, call for service.

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



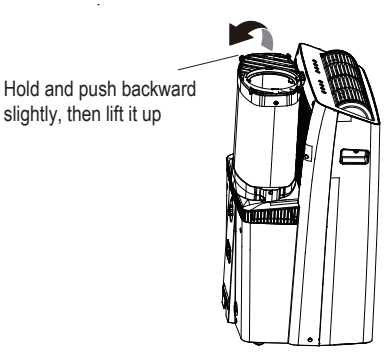
Remove the bottom drain plug to drain the water away.

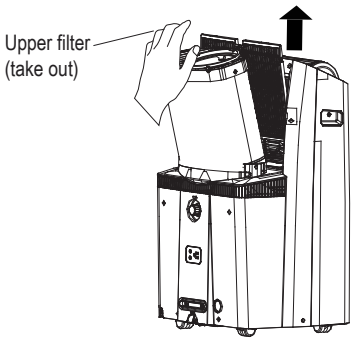
Maintenance

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.

Air Filter Cleaning





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 grill to prevent blocked airflow due to animal hair.

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

Unit Cleaning

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

Storing the Unit When Not in Use

- Drain the unit's water collection tray according to the instructions in the following section.
- 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.

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

Note: The cabinet and front may be dusted with an oil-free cloth or washed with a cloth dampened in a solution of warm water and mild, liquid, dishwashing detergent. Rinse thoroughly and wipe dry. Never use harsh cleaners, wax or polish on the cabinet front. Be sure to wring excess water from the cloth before wiping around the controls. Excess water in or around the controls may cause damage to the unit.

Troubleshooting Tips

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 blockage 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	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

Element Appliance Limited Warranty

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

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

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

1. WARRANTY SERVICE:

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

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

C. TIMING AND PROCEDURE: Before Warranty service can commence, the Original Customer must contact either (i) the retailer from whom the Original Customer purchased the Product, or (ii) Element directly, in either case for problem determination and service procedures. Valid Proof of Purchase evidencing that the Product is within the Warranty Period MUST be presented by Original Customer in order to obtain the requested Warranty service. Please have your model and serial number available, along with your date of purchase of the Product. To remain eligible for Warranty service, Original Customer may not return the Product or any part or component thereof to the retailer or Element without Element's prior written consent.

2. EXCLUSIONS AND LIMITATIONS TO WARRANTY SERVICE

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

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

THIS WARRANTY IS MADE IN LIEU OF AND SUPERSEDES ALL OTHER WARRANTIES OR CONDITIONS OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR GENERAL USE, WHETHER EXPRESS, IMPLIED, COLLATERAL, STATUTORY, OR PROVIDED BY COMMON LAW, THE UNIFORM COMMERCIAL CODE, OR OTHERWISE. ELEMENT FURTHER DISCLAIMS ALL WARRANTIES AFTER THE END OF THE WARRANTY TERM DEFINED ABOVE. NO OTHER EXPRESS WARRANTY OR GUARANTY GIVEN BY ANY OTHER PERSON, FIRM, OR ENTITY WITH RESPECT TO THE PRODUCT SHALL BE BINDING ON ELEMENT. REPAIR, REPLACEMENT, OR REFUND OF THE ORIGINAL PURCHASE PRICE, AT ELEMENT'S SOLE DISCRETION, ARE THE EXCLUSIVE REMEDIES OF THE CUSTOMER.

ELEMENT SHALL NOT BE LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES CAUSED BY THE USE, MISUSE, OR INABILITY TO USE THE PRODUCT. THESE INCLUDE, BUT ARE NOT LIMITED TO, ANY DAMAGES IN THE FORM OF LOST PROFITS, LOSS OF USE, LEGAL FEES, ECONOMIC LOSS, PERSONAL INJURIES, OR ANY OTHER DAMAGES CAUSED BY CIRCUMSTANCES BEYOND THE CONTROL OF ELEMENT. NOTWITHSTANDING THE FOREGOING, ELEMENT'S AGGREGATE LIABILITY TO ANY CUSTOMER SHALL NOT EXCEED THE ORIGINAL PURCHASE PRICE OF THE PRODUCT. THIS WARRANTY SHALL NOT EXTEND TO ANYONE OTHER THAN THE ORIGINAL CUSTOMER WHO PURCHASED THE PRODUCT, AND IS NOT

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Some states do not allow the exclusion or limitation of incidental or consequential damages, or allow limitations on warranties, so the above limitations or exclusions may not apply to you. This Warranty gives you specific rights, and you may have other rights, which vary from state to state. The exclusions and limitations to the Warranty apply to the maximum extent permitted by law and unless restricted or prohibited by law. Where any term of this Warranty is prohibited by applicable law, it shall be null and void, but the remainder of this Warranty shall remain in effect.

PLEASE DIRECT ALL CORRESPONDENCE TO:

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CP001UI-PT-UL4.0

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