



INSTALLATION & OWNER'S MANUAL

Thank you for purchasing this ecox product.
Before using this unit, please read this manual and retain it for future reference.

EPOR



ecox® PORTABLE AIR CONDITIONER

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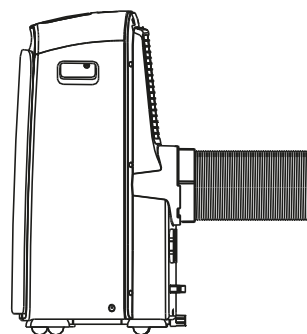
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NOTE

The rating data indicated on the energy label is based on the testing condition of installing the un-extended air exhaust duct without adaptor A & B (The duct and the adaptor A & B are listed in the accessories chart of the Instruction Manual). See the right figure.



READ THIS MANUAL

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



CAUTION

- This appliance can be used by children aged from 8 years and above and persons 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 the appliance. Cleaning and user maintenance shall not be made by children without supervision. (Applicable for European Countries)
- 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. (Applicable to other countries except European).
- Children should be supervised to ensure that they do not play with the appliance.
- If the supply cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard.
- The appliance shall be installed in accordance with national wiring regulations.
- Do not operate your air conditioner in a wet room such as a bathroom or laundry room.
- The appliance with electric heater must have at least 1 meter of separation from combustible materials.
- Contact the authorized service technician for repair or maintenance of this unit.
- Contact the installer for installation of this unit.

SOCIABLE REMARK

When using this air conditioner in the European countries, the follow information must be followed:

DISPOSAL: Do not dispose this product as unsorted municipal waste. Collection of such waste separately for special treatment is necessary.

It is prohibited to dispose of this appliance in domestic household waste.

For disposal, there are several possibilities:

- A** The municipality has established collection systems, where electronic waste can be disposed of free of charge to the user.
- B** When buying a new product, the retailer will take back the old product free of charge.
- C** The manufacture will take back the old appliance for disposal free of charge to the user.
- D** As old products contain valuable resources, they can be sold to scrap metal dealers.

Wild disposal of waste in forests and landscapes endangers your health when hazardous substances leak into the ground-water and find their way into the food chain.



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.

SAFETY PRECAUTIONS

SAFETY RULES

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.



ALWAYS DO THIS

- 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.
- Always transport your air conditioner in a vertical position and stand on a stable, leveled surface during use.
- Turn off the product when not in use.
- Always contact a qualified person to carry out repairs. If the supply cord is damaged it must be repaired by a qualified technician.
- Keep an air path of at least 30cm / 1 ft all around the unit from walls, furniture and curtains.
- If the air conditioner is knocked over during use, turn off the unit and unplug from the main supply immediately.



NEVER DO THIS

- Do not operate your air conditioner in a wet room such as a bathroom or laundry room.
- Do not touch the unit with wet or damp hands or when barefoot.
- 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.
- Never use the plug to start and stop the unit.
- Always use the switch on the control panel.
- Do not cover or obstruct the inlet or outlet grilles.
- 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 vapor such as alcohol, insecticides, petrol, etc.
- Do not allow children to operate the unit unsupervised.

- Do not use this product for functions other than those described in this instruction manual.



ENERGY SAVE

- Use the unit in the recommended room size.
- Locate the unit where furniture cannot obstruct the air flow.
- Keep blinds/curtains closed during the sunniest part of the day.
- Keep the filters clean.
- Keep doors and windows closed to keep cool air in and warm air out.

OPERATING CONDITIONS

- The air conditioner must be operated within the temperature range indicated below:

MODE	ROOM TEMPERATURE
COOL	17°C (62°F) - 35°C (95°F)
DRY	13°C (55°F) - 35°C (95°F)
HEAT (heat pump type)	5°C (41 °F) - 30°C (86°F)
HEAT (electrical heat type)	≤30 °C (≤86°F)

SUGGESTED TOOLS FOR WINDOW KIT INSTALLATION

- 1 Screwdriver (Medium size Phillips).
- 2 Tape measure or ruler.
- 3 Scissors.
- 4 Saw (In the event that the window kit needs to be cut down in size because the window is too narrow for installation).

FOR YOUR SAFETY



WARNING

- Do not store or use gasoline or other flammable vapors and liquids in the vicinity of this or any other appliance.
- Avoid fire hazard or electric shock. Do not use an extension cord or an adaptor plug. Do not removed any prong from the power cord.

ELECTRICAL INFORMATION

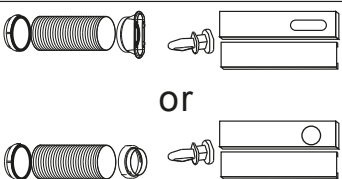


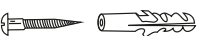


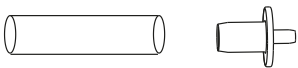


WARNING

- Be sure the electrical service is adequate for the model you have chosen. This information can be found on the serial plate, which is located on the side of the cabinet and behind the grille.
- Be sure the air conditioner is properly grounded. To minimize shock and fire hazards, proper grounding is important. The power cord is equipped with a three-prong grounding plug for protection against shock hazards.
- Your air conditioner must be used in a properly grounded wall receptacle. If the wall receptacle you intend to use is not adequately grounded or protected by a time delay fuse or circuit breaker, have a qualified electrician install the proper receptacle.
- Ensure the receptacle is accessible after the unit installation.

IDENTIFICATION OF PARTS

ACCESSORIES

PARTS :	PARTS NAME :	QUANTITY :
	Exhaust hose and Apaptor A and Adaptor B (Flat mouth or round mouth: depending on models) Window Slider Kit and bolt	1 set
	Wall Exhaust Adaptor A(※)	1 pc
	Adaptor B (Round mouth)(※)	1 pc
	Expansion Plug and wooden screw(※)	4 pc
	Foam seal	3 pc
	Remote Controller and Battery (For remote control models only)	1 pc
	Drain hose(※) and drain hose adaptor(※)	1 pc



NOTE

Optional parts (※), only for some models.

- Check all the accessories are included in the package and please refer to the installation instructions for their usage.
- All the illustrations in this manual are for explanation purpose only. Your air conditioner may be slightly different. The actual shape shall prevail.

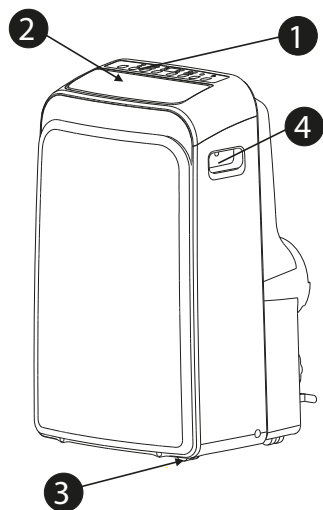


Fig.1

- ① Operation Panel
- ② Horizontal Louver Blade (Swing automatically)
- ③ Caster
- ④ Carrying Handle (Both side)

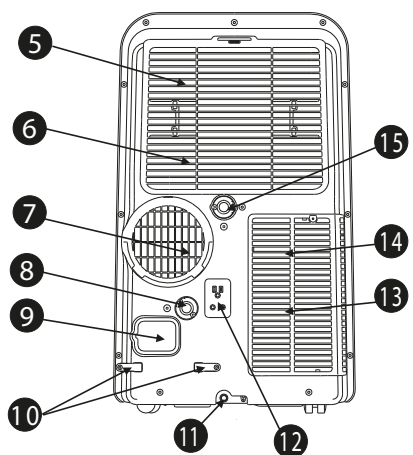


Fig.2

- ⑤ Upper Air Filter (Behind the grille)
- ⑥ Upper air intake
- ⑦ Air Outlet
- ⑧ Drain outlet (Only for Pump heating model)
- ⑨ Power cord outlet
- ⑩ Power cord buckle (Used only when storing the unit)
- ⑪ Bottom tray drain outlet
- ⑫ Power plug socket (Use only when storing the unit)
- ⑬ Lower air filter (Behind the grille)
- ⑭ Lower air intake
- ⑮ Drain outlet

AIR CONDITIONER FEATURES

ELECTRONIC CONTROL OPERATING INSTRUCTIONS

Before you begin, thoroughly familiarize yourself with the control panel and remote controller and all its functions, and then follow the symbol for the functions you desire.

The unit can be controlled by the unit control panel alone or with the remote controller.



NOTE

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

OPERATION PANEL OF THE AIR CONDITIONER

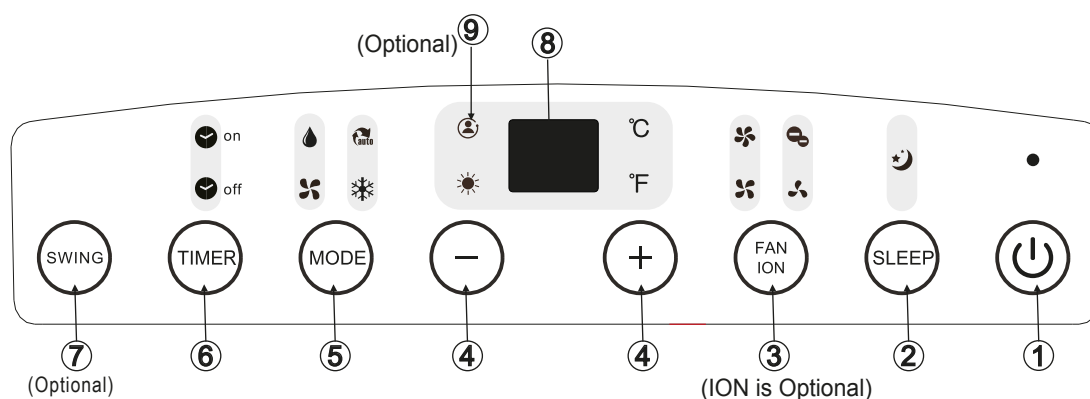


Fig.3



NOTE

On some models SLEEP button is instead of ECO button.

- 1 POWER button**
Power switch on/off.
- 2 SLEEP button**
Used to initiate the SLEEP/ECO operation.
- 3 FAN/ION button (ION is optional)**
Control the fan speed. Press to select the fan speed in four steps-LOW, MED, HI and AUTO. The fan speed indicator light illuminates under different fan settings except AUTO speed. When select AUTO fan speed, all the fan indicator lights turn off.



NOTE

Press this button for 3 seconds to initiate ION feature. The ion generator is energized and will help to remove pollen and impurities from the air, and trap them in the filter. Press it for 3 seconds again to stop the ION feature.

- 4 UP (+) and DOWN (-) button**
Used to adjust (increasing/decreasing) temperature settings (1 °C/ 2 °F increments) in a range of 17 °C (62 °F) to 30 °C (86 °F) or the TIMER setting in a range of 0-24hrs.



NOTE

The control is capable of displaying temperature in degrees Fahrenheit or degrees Celsius. To convert from one to the other, press and hold the (+) and (-) buttons at the same time, for 3 seconds.

- 5 MODE select button**
Selects the appropriate operating mode. Each time you press the button, a mode is selected in a sequence that goes from AUTO, COOL, DRY, HEAT (except for Coolin only models) and FAN. The mode indicator light illuminates under the different mode setting.
- 6 TIMER button**
Used to initiate the AUTO ON start time and AUTO OFF stop time program, in conjunction with the (+) & (-) buttons. The timer on/off indicator light illuminates under the timer on/off settings.
- 7 SWING button**
(Applicable to the models with auto swing feature only). Used to initiate the Auto swing feature. When the operation is ON, press the SWING button to stop the louver at the desired angle.
- 8 LED Display**
Shows the set temperature in "°C" or "°F" and the Auto-timer settings. While on DRY and FAN modes, it shows the room temperature.

ERROR CODES

Error codes and protection code:

- E1** Room temperature sensor error -
Unplug the unit and plug it back in.
If error repeats, call for service.
- E2** Evaporator temperature sensor error -
Unplug the unit and plug it back in.
If error repeats, call for service.
- E3** Condenser temperature sensor error-
Unplug the unit and plug it back in.
If error repeats, call for service (on some models).
- E4** Display panel communication error -
Unplug the unit and plug it back in.
If error repeats, call for service.
- P1** Bottom tray is full -
Connect the drain hose and drain the collected water away.
If error repeats, call for service.

9 FOLLOW ME/TEMP SENSING feature (Optional)



NOTE

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

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

OPERATING INSTRUCTIONS

COOL OPERATION

- Press the "MODE" button until the "COOL" indicator light comes on.
- Press the ADJUST buttons (+) or (-) to select your desired room temperature. The temperature can be set within a range of 17°C - 30°C / 62°F - 88°F.
- Press the "FAN SPEED" button to choose the fan speed.

HEAT OPERATION (COOLING ONLY MODELS WITHOUT)

- Press the "MODE" button until the "HEAT" indicator light comes on.
- Press the ADJUST buttons (+) or (-) to select your desired room temperature. The temperature can be set within a range of 17°C - 30°C / 62°F - 88°F.

- Press the "FAN SPEED" button to choose the fan speed. For some models, the fan speed can not be adjusted under HEAT mode.

DRY OPERATION

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

AUTO OPERATION

- When you set the air conditioner in AUTO mode, it will automatically select cooling, heating (Except for Cooling only models), or fan only operation depending on what temperature you have selected and the room temperature.
- The air conditioner will control room temperature automatically regarding the temperature point set by you.
- Under AUTO mode, you can not select 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 cannot be adjusted.
- Do not put the duct to window.

TIMER OPERATION

- When the unit is on, first press the Timer button will initiate the Auto-off stop program, the TIMER OFF indicator light illuminates. Press the (+) or (-) 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 (+) or (-) 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 five seconds will initiate the Auto-off stop program.
- Press or hold the (+) or (-) 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 five seconds period.
- Turning the unit ON or OFF at any time or adjusting the timer setting to 0.0 will cancel the Auto Start/ Stop timed program.
- When the malfunction (E1, E2, E3 or E4) occurs, the Auto Start/Stop timed program will also be cancelled.

SLEEP OPERATION

Press this button, the set temperature will increase (Cooling) or decrease (Heating) by in 30 minutes. The set temperature will then increase (Cooling) or decrease (Heating) by another 1°C / 2°F after an additional 30 minutes. This new temperature will be maintained for 7 hours before it returns to the originally selected temperature. This ends the Sleep mode and the unit will continue to operate as originally programmed.



NOTE

This feature is unavailable under FAN or DRY mode.

OTHER FEATURES

Auto-Restart (On some models)

If the unit turns off unexpectedly due to 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, it cannot restart operation in the first 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 (Fig. 4).
- 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 will swing up and down automatically.
- Please do not adjust the louver manually.



Fig.4

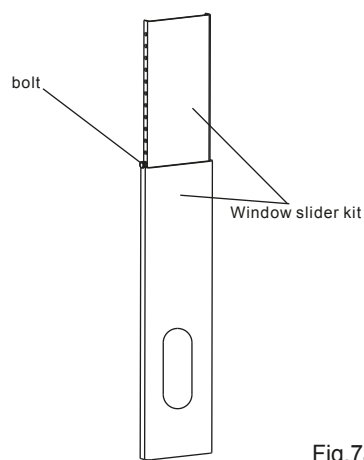
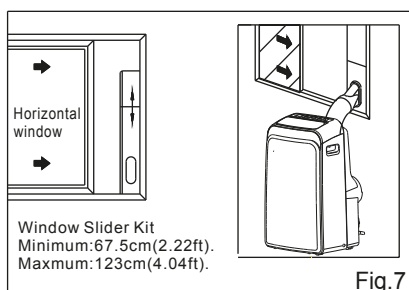
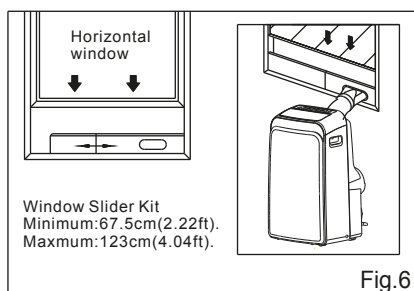
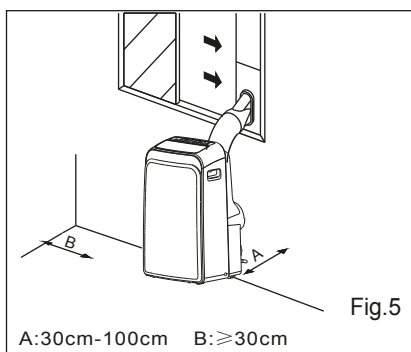
INSTALLATION INSTRUCTIONS

LOCATION

- The air conditioner should be placed on a firm foundation to minimize noise and vibration. For safe and secure positioning, place the unit on a smooth, level floor strong enough to support the unit.
- The unit has casters to aid placement, but it should only be rolled on smooth, flat surfaces. Use caution when rolling on carpet surfaces. Do not attempt to roll the unit over objects.
- The unit must be placed within reach of a properly rated grounded socket.
- Never place any obstacles around the air inlet or outlet of the unit.
- Allow at least 30cm / 1 ft of space from the wall for efficient air conditioning.

WINDOW SLIDER KIT INSTALLATION

Your window slider kit has been designed to fit most standard Vertical and horizontal window applications. However, it may be necessary for you to improvise/modify some aspects of the installation procedures for certain types of window. Please refer to Fig. 6 & Fig. 7 for minimum and maximum window openings. Window slider kit can be fixed with a bolt (see Fig. 7a).



NOTE

If the window opening is less than the mentioned minimum length of the window slider kit, cut that one with holes in it short to fit for the window opening. Never cut out the hole in window slider kit.

INSTALLATION IN A DOUBLE-HUNG SASH WINDOWS

- 1 Cut the foam seal (Adhesive type) to the proper length and attach it to the window stool. Fig. 8.
- 2 Attach the window slider kit to the window stool. Adjust the length of the window slider kit according to the width of window; short the adjustable window kit if the width of window is less than 26.5 in / 67.3 cm.
Open the window sash and place the window slider kit on the window stool. Fig. 9.
- 3 Cut the foam seal (adhesive type) to the proper length and attach it on the top of the window. Show as in Fig. 10.
- 4 Close the window sash securely against the window.
- 5 Cut the foam seal to an appropriate length and seal the open gap between the top window sash and outer window sash. Show as in Fig. 11.

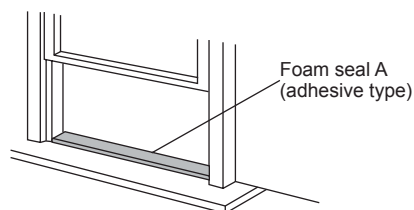


FIG.8

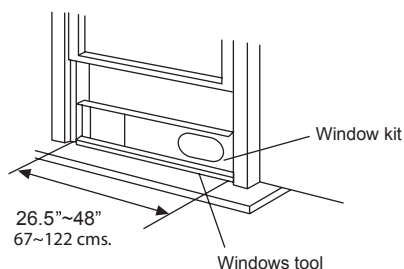


FIG.9

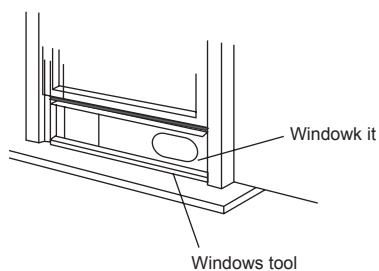


FIG.10

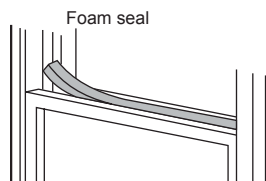


FIG.11

INSTALLATION IN A SLIDING SASH WINDOWS

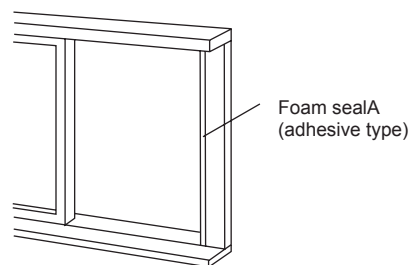


FIG.12

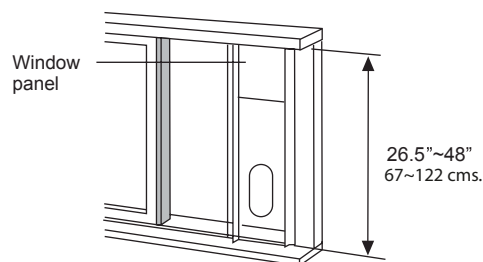


FIG.13

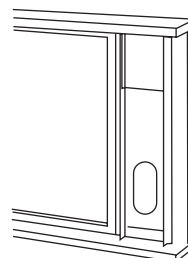


FIG.14

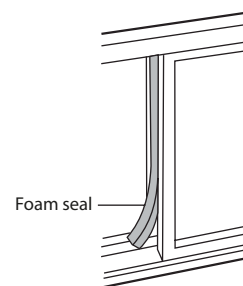


FIG.15

- 1 Cut the foam seal (adhesive type) to the proper length and attach it to the window frame. See Fig. 12.
- 2 Attach the window slider kit to the window stool. Adjust the length of the window slider kit according to the width of window, short the adjustable window kit if the width of window is less than 26.5 in / 67.3 cm.
Open the window sash and place the window slider kit on the window stool. See Fig. 13.
- 3 Cut the foam seal (Adhesive type) to the proper length and attach it on the top of the window. Show as in Fig. 14.
- 4 Close the sliding sash securely against the window.
- 5 Cut the foam seal to an appropriate length and seal the open gap between the top window sash and outer window sash. Show as in Fig. 15.

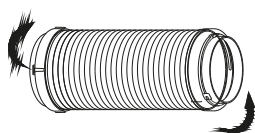


Fig.16a

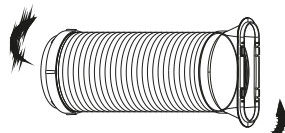


Fig.16b

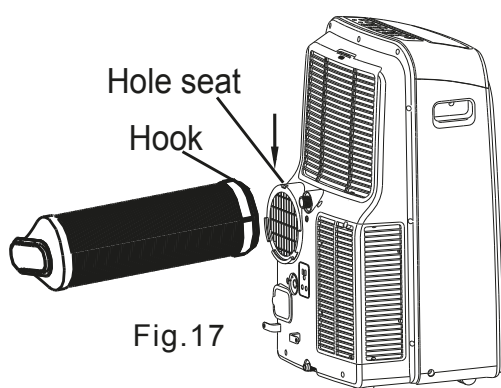


Fig.17

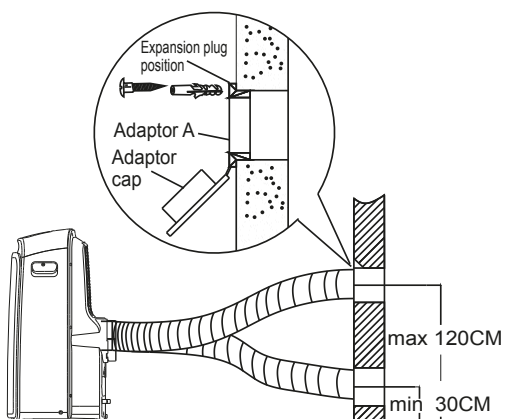


Fig.18

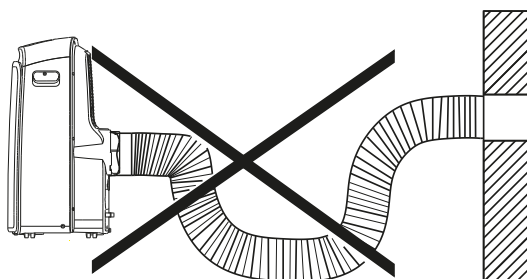


Fig.19

EXHAUST HOSE INSTALLATION:

The exhaust hose and adaptor must be installed or removed in accordance with the usage mode.

COOL, HEAT (Heat pump type) or AUTO mode	Install
FAN, DEHUMIDIFY or HEAT (Electrical heat type) mode	Remove

- 1 Install the window Exhaust adaptor B onto the exhaust hose as shown in Fig. 16a. or Fig. 16b. Refer to the previous pages for window kit installation.
- 2 Insert the hook of the Exhaust hose into the hole seat of the air outlet and slide down the Exhaust hose along the arrow direction (See Fig. 17) for installation.

The exhaust hose can be installed into the wall

(Not applicable to the units without adaptor A, expansion plugs and wooden screws are Accessories).

- 1 Prepare a hole in the wall. Install the wall Exhaust adaptor A onto the wall (outside) by using 4 expansion plugs and wooden screws, be sure to fix thoroughly. (See Fig. 18)
- 2 Attach the Exhaust hose to wall Exhaust adaptor A.



NOTE

Cover the hole using the adaptor cap when not in use.

- The exhaust hose can be compressed or extended moderately according to the installation requirement, but it is desirable to keep the hose length to a minimum.



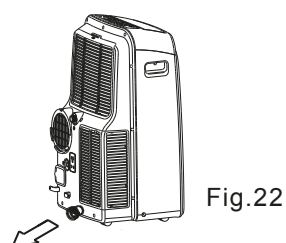
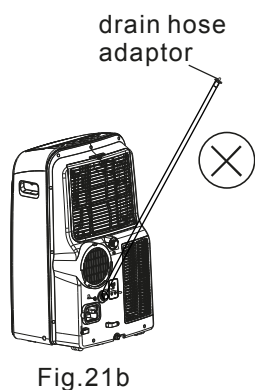
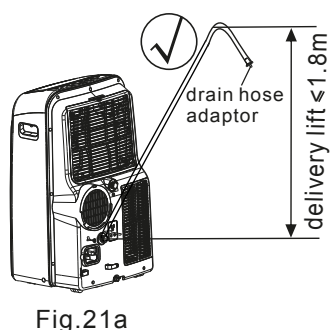
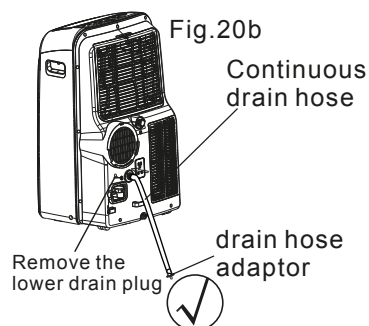
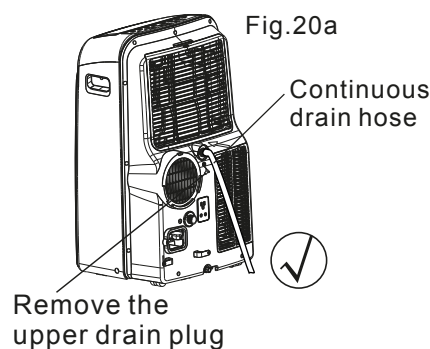
IMPORTANT

DO NOT OVER BEND THE DUCT (SEE Fig. 19).



CAUTION

Make sure that there is no obstacle around the air outlet of the exhaust hose (In the range of 500mm) in order to the exhaust system works properly.



WATER DRAINAGE

- During dehumidifying modes, remove the drain plug from the back of the unit; install the drain connector (5/8" universal female mender) with 3/4" hose (Locally purchased). 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. Please refer to Fig. 20a.
- During heating pump mode, remove the lower drain plug from the back of the unit, install the drain connector (5/8" universal female mender) with 3/4" hose (Locally purchased). For the models without drain connector, just attach the drain hose to the hole. Place the open end of the hose adaptor directly over the drain area in your basement floor. Please refer to Fig. 20b.



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 Fig. 20a, 20b, 21a). See Fig. 21b).

- 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 (Fig. 22). Restart the machine until the P1 symbol disappears. If the error repeats, call for service.



NOTE

Be sure to reinstall the bottom drain plug before using the unit.

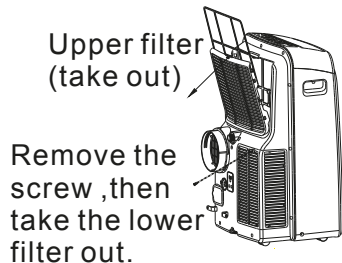


Fig.23

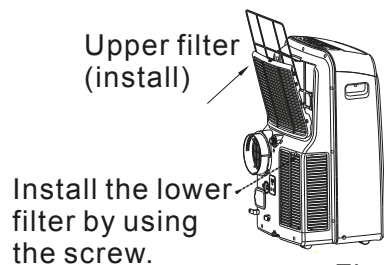


Fig.24

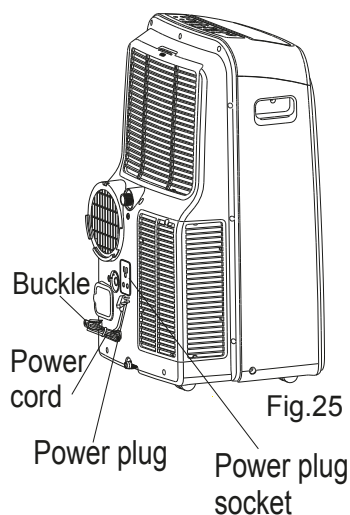


Fig.25

IMPORTANT

- ① Be sure to unplug the unit before cleaning or servicing.
- ② Do not use gasoline, thinner or other chemicals to clean the unit.
- ③ Do not wash the unit directly under a tap or using a hose. It may cause electrical danger.
- ④ If the power cord is damaged, it should be repaired by manufacture or its technical service.

① Air filter

- Clean the air filter at least once every two weeks to prevent poor fan operation because of dust.

• **Removal**

This unit has two filters. Take the upper filter out along the arrow direction (Fig. 23), then take the filter down. Remove the lower filter by loosening the screw, take down the air filter as shown in Fig. 23.

• **Cleaning**

Wash the air filter by immersing it gently in warm water (about 40 °C/104 °F) with a neutral detergent. Rinse the filter and dry it in a shady place.

• **Mounting**

Install the upper air filter after cleaning and install the lower filter by using the screw. (See Fig. 24).

② Unit enclosure

- Use a lint-free cloth soaked with neutral detergent to clean the unit enclosure. Finished by a dry clean cloth.

③ Unit idle for a long time

- Remove the rubber plug at the back of the unit and attach a hose to drain outlet. Place the open end of the hose directly over the drain area in your basement floor (See Fig. 20 & 21).
- Remove the plug from the bottom drain outlet, all the water in the bottom tray will drain out (See Fig. 22).
- Keep the appliance running on FAN mode for half a day in a warm room to dry the appliance inside and prevent mold.
- Stop the appliance and unplug it, wrap the cord and bundle it with the tape. Remove the batteries from the remote control.
- Clean the air filter and reinstall it.



TROUBLESHOOTING TIPS

TROUBLES	POSSIBLE CAUSES	SUGGEST REMEDIES
Unit does not Start when Pressing on/off Button	P1 appears in the display window	Drain the water in the bottom tray.
	Room temperature is lower than the set temperature. (Cooling mode)	Reset the temperature.
	The windows or doors in the room are not closed.	Make sure all the windows and doors are closed.
Not cool enough	There are heat sources inside the room.	Remove the heat sources if possible.
	Exhaust air duct is not connected or blocked.	Connect the duct and make sure it can function properly.
	Temperature setting is too high.	Decrease the set temperature.
	Air filter is blocked by dust.	Clean the air filter.
Noisy or vibration	The ground is not level or not flat enough.	Place the unit on a flat, level ground if possible.
Gurgling sound	The sound comes from the flowing of the refrigerant inside the air conditioner.	It is normal.
Power shut off at Heating mode	The automatic over heat protection function. When the temperature at the air outlet exceed 70 °C (158 °F), the device will stop.	Switch on again after the unit has cool down.

