ORIGINAL MANUAL

Kaysun

OWNER'S MANUAL

Portable Air Conditioner

KP-35 CP10 KP-35 CP11 KP-35 HP10

Thank you for purchasing our Portable Air Conditioner.
Before using your air conditioner, please read this instruction manual carefully and keep it for future reference.
READ AND SAVE THESE INSTRUCTIONS!

Contents

Safety Precautions

This symbol indicates that ignoring instructions may cause serious injury.

WARNING: 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.

- 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.

Cautions

Cautions

- This appliance can be used by children aged from 8 years and above and person with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved. Children shall not play with the appliance. Cleaning and user maintenance shall not be made by children without supervision. (be applicable for the European Countries)
- This appliance is not intended for use by persons (including childern) with reduced physical, sensory or mental capabilities or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety. (be applicable for other countries except the European Countries)
- Children should be supervised to ensure that they do not play with the appliance. Children must be supervised around the unit at all times.
- If the supply cord is damaged, it must be replaced by the manufacturer,its service agent or similarly qualified persons in order to avoid a hazard.
- Prior to cleaning or other maintenance, the appliance must be disconnected from the supply mains.
- Do not remove any fixed covers. Never use this appliance if it is not working properly, or if it has been dropped or damaged.
- Do not run cord under carpeting. Do not cover cord with throw rugs, runners, or similar coverings. Do not route cord under furniture or appliances. Arrange cord away from traffic area and where it will not be tripped over.
- Do not operate unit with a damaged cord, plug, power fuse or circuit breaker. Discard unit or return to an authorized service facility for examination and/or repair.
- To reduce the risk of fire or electric shock, do not use this fan with any solid-state speed control device.
- The appliance shall be installed in accordance with national wiring regulations.
- Contact the authorised service technician for repair or maintenance of this unit.
- Contact the authorised installer for installation of this unit.
- Do not cover or obstruct the inlet or outlet grilles.
- 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.

Warnings (for using R-290 refrigerant only)

- Do not use means to accelerate the defrosting process or to clean, other than those recommended by the manufacturer.
- The appliance shall be stored in a room without continuously operating ignition sources (for example: open flames, an operating gas appliance or an operating electric heater).
- Do not pierce or burn.
- Be aware that the refrigerants may not contain an odour.
  Appliance KP-35 HP9 should be installed, operated and stored in a room with a floor area larger than 10 m^2
- Compliance with national gas regulations shall be observed.
- Keep ventilation openings clear of obstruction.
- The appliance shall be stored so as to prevent mechanical damage from occurring.
- A warning that the appliance shall be stored in a well-ventilated area where the room size corresponds to the room area as specified for operation.
- Any person who is involved with working on or breaking into a refrigerant circuit should hold a current valid certificate from an industry-accredited assessment authority, which authorises their competence to handle refrigerants safely in accordance with an industry recognised assessment specification.
- 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.

Caution: Risk of fire / flammable materials

(Required for R-290 units only)

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

Explanation of symbols displayed on the unit (For the unit adopts R-290 Refrigerant only):

	WARNING	This symbol shows that this appliance used a flammable refrigerant. If the refrigerant is leaked and exposed to an external ignition source, there is a risk of fire.
	CAUTION	This symbol shows that the operation manual should be read carefully.
	CAUTION	This symbol shows that a service personnel should be handling this equipment with reference to the installation manual.
	CAUTION	This symbol shows that information is available such as the operating manual or installation manual.

Warnings (for using R-290 refrigerant only)

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 refrigerant

   See national regulations.

4. Storage of equipment/appliances

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

5. Storage of packed (unsold) equipment

   Storage package protection should be constructed such thay 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) Check to the area

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

   2) Work procedure

   Work shall be undertaken under a controlled procedure so as to minimise the risk of a flammable gas or vapour being present while the work is being performed.

   3) General work area

   All maintenance staff and others working in the local area shall be instructed on the nature of work being carried out. Work in confined spaces shall be avoided. The area around the workspace shall be sectioned off. Ensure that the conditions within the area have been made safe by control of flammable refrigerants.

   4) Checking for presence of refrigerant

   The are shall be checked with an appropiate refrigerant detector prior to and during work, to ensure the technician is aware of potentially flammable atmospheres. Ensure that the leak detection equipment being used is suitable for use with flammable refrigerants, i.e. non-sparking, adequately sealed or instrinsically safe.

   5) Presence of fire extinguisher

   If any hot work is to be conducted on the refrigeration equipment or any associated parts, appropiate fire extinguishing equipment shall be available to hand. Have a dry powder or CO2 fire extinguisher adjacent to the charging area.

   6) No ignition sources

   No person carrying out work in relation to a refrigerantion 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, incluiding cigarrette 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 takking 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 refrigeration equipment

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

   The charge size is in accordance with the room size within which the refrigerant containing parts are installed;

   The ventilation machinery and outlet are operating adequately and are not obstructed;

   If an indirect refrigerating circuit is being used, the secondary circuit shall be checked for the presence of refrigerant;

   Marking to the equipment continues to be visible and legible. Markings and signs that are illegible shall be corrected;

   Refrigeration pipe or components are installed in a position where they are unlikely to be exposed to any substance which may corrode refrigerant containing components, unless the components are constructed of materials which are inherently resistant to being corroded or are suitably protectec against being so corroded.

   9) Checks to electrical devices

   Repair and maintenance to electrical components shall include intitial safety checks and component inspection procedures. If a fault exists that could comprise 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.

   Intitial safety checks shall include:

   That capacitors are discharged: this shall be done in a safe manner to avoid possibility of sparking;

Warnings (for using R-290 refrigerant only)

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. Repairs to sealed components

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

2) Particular attention shall be paid to the following to ensure that by working on electrical components, the casing is not altered in such a way that the level of protection is affected. This shall include damage to cables, excessive number of connections, terminals not made to original specification, damage to seals, incorrect fitting of glands, etc.

Ensure that apparatus is mounted securely.

Ensure that seals or sealing materials have not degraded such that they no longer serve the purpose of preventing the ingress of flammable atmospheres. Replacement parts shall be in accordance with the manufacturer's specifications.

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

8. Repair to intrinsically safe components

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

9. Cabling

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

10. Detection of flammable refrigerants

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

11. Lead detection methods

The following leak detection methods are deemed acceptable for systems containing flammable refrigerants.

Electronic leak detectors shall be used to detect flammable refrigerants, but the sensitivity may not be adequate, or may need re-calibration. (Detection equipment shall be calibrated in a refrigerant-free area). Ensure that the detector is not a potential source of ignition and is suitable for the refrigerant used. Leak detection equipment shall be set at a percentage of the LFL of the refrigerant and shall be calibrated to the refrigerant employed and the appropiate percentage of gas (25% maximum) is confirmed. Lead detection fluids are suitable for use with most refrigerants but the use of detergents containing chlorine shall be avoided ad 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 refrigerat is found which requires brazing, all of the refrigerant shall be recovered from the system, or isolated (by means of shut off valves) in a part of the system remote from the leak. Oxygen free nitrogen (OFN) shall then be purged through the system both before and during the brazing process.

12. Removal and evacuation

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

Remove refrigerant;

Purge the circuit with inert gas;

Evacuate;

Purge again with inert gas;

Open the circuit by cutting or brazing.

The refrigerant charge shall be recovered into the correct recovery cylinders. The system shall be flushed with OFN to render the unit safe. This process may need to be repeated several times. Compressed air or oxygen shall not be used for this task.

Flushing shall be achieved by breaking the vacuum in the system with OFN and continuing to fill until the working pressure is achived, then venting to atmosphere, and finally pulling down to a vacuum. This process shall be repeated until no refrigerant is within the system. When the final OFN charge is used, the system shall be vented down to atmospheric pressure to enable work to take place. This operation is absolutely vital if brazing operations on the pipe-work are to take place.

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

13. Charging procedures

In addition to conventional charging procedures, the following requirements shall be followed.

Ensure that contamination of different refrigerants does not occur when using charging equipment. Hoses or lines shall be as short as possible to minimise the amount of refrigerant contained in them.

Cylinders shall be kept upright.

Warnings (for using R-290 refrigerant only)

Ensure that the refrigeration system is earthed prior to charging the system with refrigerant.

Label the system when charging is complete (if not already).

Extreme care shall be taken not to overfill the refrigeration system. Prior to recharging the system it shall be pressure tested with OFN. The system shall be leak tested on completion of charging but prior to commissioning. A follow up leak test shall be carried out prior to leaving the site.

14. Decommissioning

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

a) Become familiar with the equipment and its operation.

b) Isolate system electrically.

c) Before attempting the procedure ensure that:

Mechanical handling equipment is available, is 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 appropiate 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 part of the system.

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

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

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

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

j) When the cylinders have been filled correctly and the process completed, make sure that the cylinders and the equipment are removed from site promptly and all isolation valves on the equipment are closed off.

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

15. Labelling

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

16. Recovery

When removing refrigerant from a system, either for servicing or decommissioning, it is recommended good practice that all refrigerants are removed safely.

When transferring refrigerant into cylinders, ensure that only appropiate refrigerant recovery cylinders are employed.

Ensure that the correct number of 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.

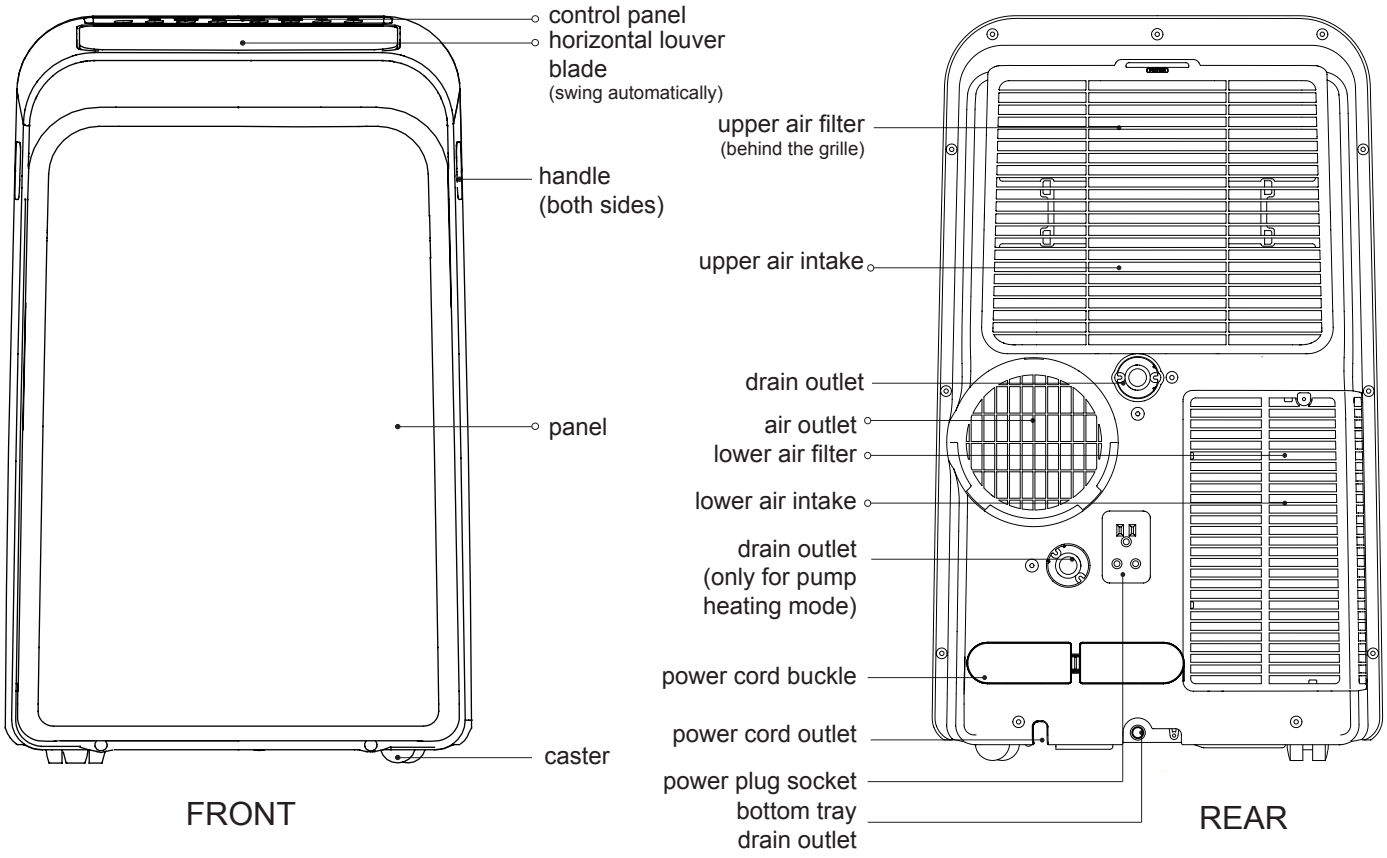
The recovery equipment shall be in good working order to set of instructions concerning the equipment that is at hand and shall be suitable for the recovery of flammable refrigerants. In addition, a set of calibrated weighing scales shall be available and in good working order. Hoses shall be complete with leak-free disconnect couplings and in good condition. Before using the recovery machine, check that it is in satisfactory working order, has ben properly maintained and that any associated electrical components are sealed to prevent ignition in the event of a refrigerant release. Consult manufacturer if in doubt.

The recovered refrigerant shall be returned to the refrigerant supplier in the correct recovery cylinder, and the relevant Waste Transfer Note arranged. Do not mix refrigerants in recovery units and especially not in cylinders. If compressors or compressor oils are to be removed, ensure that they have been evacuated to and acceptable level to make certain that flammable refrigerant does not remain within the lubricant. The evacuation process shall be carried out prior to returning the compressor to the suppliers. Only electric heating to the compressor body shall be employed to accelerate this process. When oil is drained from a system, it shall be carried out safely.

Note About Fluorinated Gasses

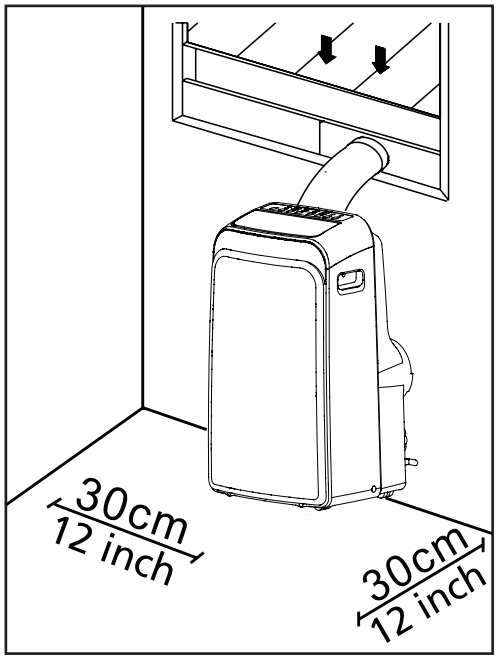
- Fluorinated greenhose gases are contained in hermetically sealed equipment. For specific information on the type, the amount and tje CO2 equivalent in tonnes of the fluorinated greenhose gas (on some models), please refer to the relevant label on the unit itself.
- Installation, service, maintenance and repair of this unit mus be performed by a certified technician.
- Product uninstallation and recycling must be performed by a certified technician.

Preparation



Installation

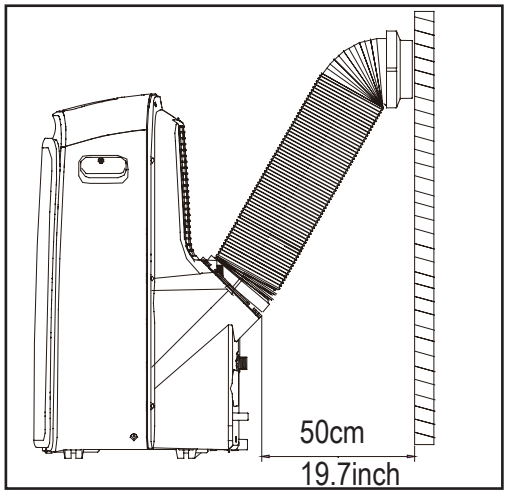
Choosing The Right Location



Your installation location should meet the following requirements:

- Make dure 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 leat 30cm (12”) from the nearest wall to ensure proper air conditioning.
- DO NOT cover the Intaked, Outlets or Remote Signal Receptor of the unit, as this could cause damage to the unit.

Recommend Installation



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 Control Illustration>> packed with the unit for details.

When there are wide differences between “INSTRUCTION MANUAL” and “Remote controll Illustration” on function description, the description on “INSTRUCTION MANUAL” shall prevail.

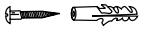
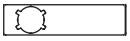
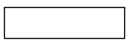
Tools Needed

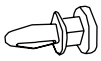
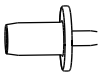
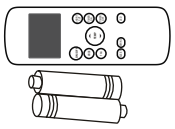
- Medium Philips screwdriver
- Tape measure or ruler
- Knife or scissors
- Saw (optional, to shorten window adaptor for narrow windows)

Accessories

Check your window size and choose the fit window slider.

Installation

Part	Description	Quantity
	Unit Adaptor	1 pc
	Exhaust Hose	1 pc
 *	Window Slider Adaptor	1 pc
 *	Wall Exhaust Adaptor A (only for wall installation)	1 pc
 *	Wall Exhaust Adaptor B (with cap) (only for wall installation)	1 pc
 *	Screw and anchor (only for wall installation)	4 set
 *	Window Slider A	1 pc
 *	Windown Slider B	1 pc
	Power Cord Buckle	1 pc

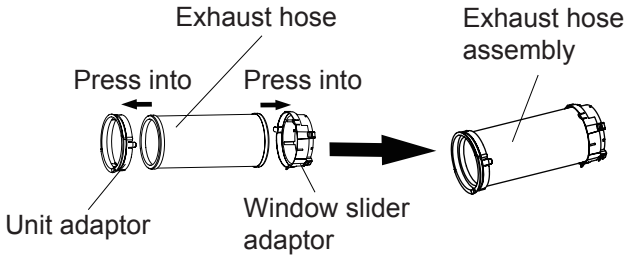
Part	Description	Quantity
 *	Bolt	1 pc
 *	Security Bracket and Screw	1 set
	Drain Hose	1 pc
	Drain Hose Adaptor (only for heat pump mode)	1 pc
 *	Foam Seal A (Adhesive)	2 pc
 *	Foam Seal B (Adhesive)	2 pc
 *	Foam Seal C (Non-adhesive)	1 pc
	Remote Controller and Battery	1 set

NOTE: Items with * are optional. Slight variations in design may occur.

Window Installation Kit

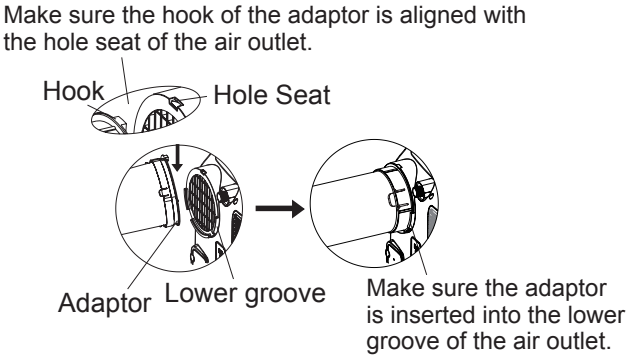
Step One: Preparing the Exhaust Hose assembly

Press the exhaust hose into the window slider adaptor and unit adaptor, clamp automatically by elastic buckles of the adaptors.



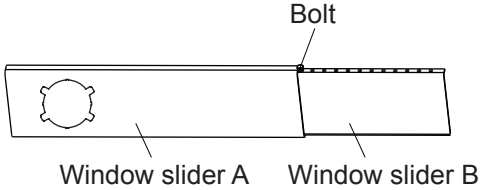
Step Two: Install the Exhaust hose assembly to the unit

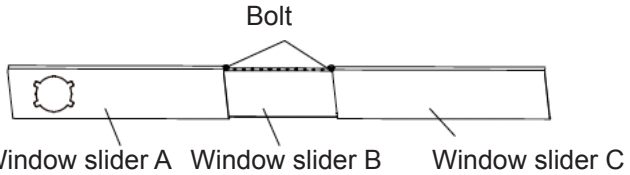
Insert unit adaptor of the Exhaust hose assembly into the lower groove of the air outlet of the unit while the hook of the adaptor is aligned with the hole seat of the air outlet and slide down the Exhaust hose assembly along the arrow direction for installation.



Step Three: Preparing the Adjustable Window Slider

1. Depending on the size of your window, adjust the size of the window slider.
2. If the length of the window requires two window sliders, use the bolt to fasten the window sliders once they are adjusted to the proper length.
3. For some models, if the length of the window requires three window sliders (optional), use the bolts to fasten the window sliders once they are adjusten to proper length.

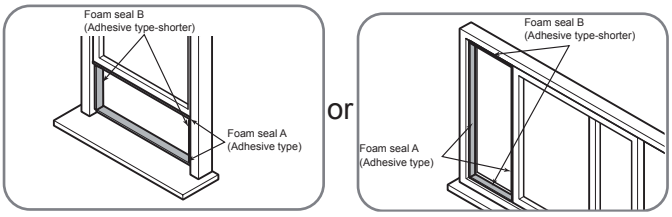




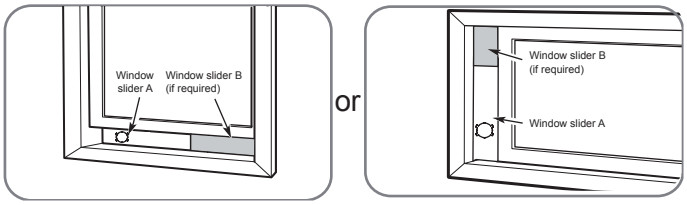
Installation

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

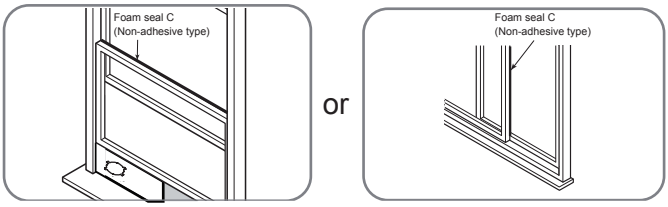
Type 1: Hung Window or Sliding Window Installation (optional)



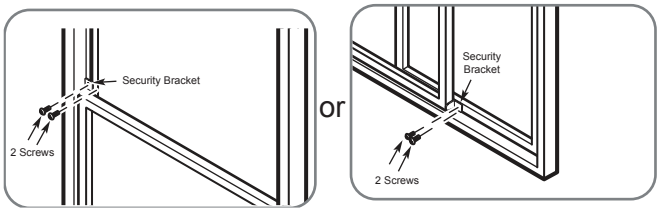
1. Cut the adhesive foam seal A and B strips to the proper lengths, and attach them to the window sash and frame as shown.



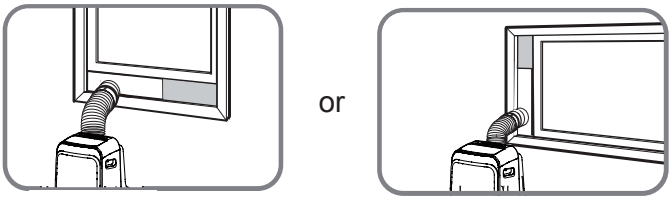
2. Insert the window slider assembly into the window opening.



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



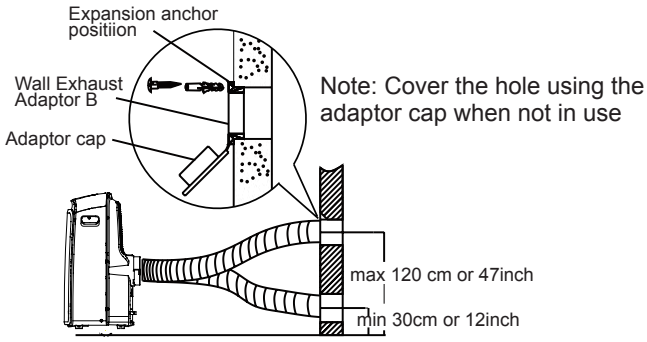
4. If desired, install the security bracket with 2 screws as shown.



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

Type 2: Wall Installation (optional)

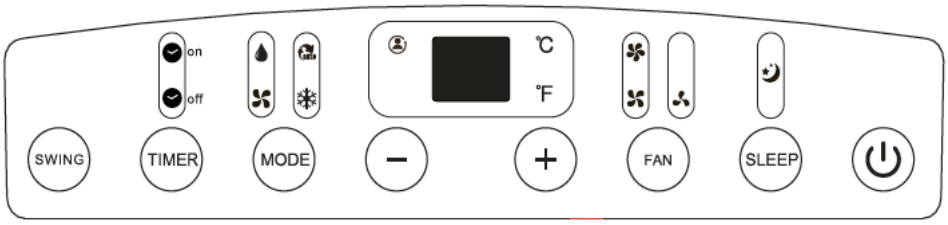
1. Cut a 125mm (4.9inch) hole into the wall for the Wall Exhaust Adaptor B.
2. Secure the Wall Exhaust Adaptor B to the wall using the four Anchors and Screws provided in the kit.
3. Connect the Exhaust Hose Assembly (with Wall Exhaust Adaptor A) to the Wall Exhaust Adaptor B.



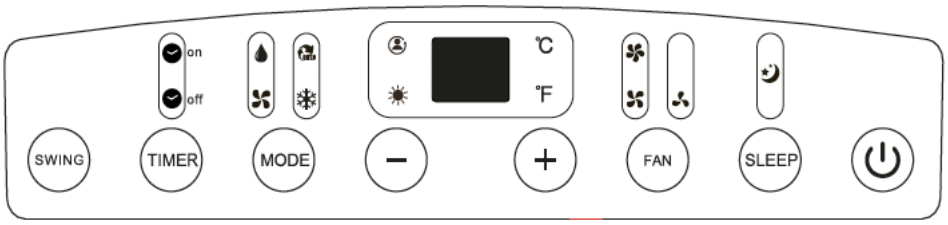
Note: To ensure proper function, DO NOT overextend or bend the hose. Make sure that there is no obstacle around the air outlet of the exhaust hose (in the range of 500mm) in order to the exhaust hose system works properly. All the illustrations in this manual are for explanation purpose only. Your air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

Operation

NOTE: The control panel may be look like one of the followings:
KP-35 CP10, KP-35 CP11



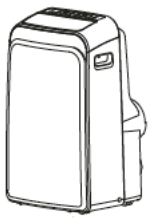
KP-35 HP10



NOTE: On some models ℉ is instead of ºF. On some models (WIRELESS light) is instead of ● (power light).
NOTE: Some features (ION, FOLLOW ME, HEAT, WIRELESS, etc.) are optional.

	HEAT mode light		HIGH fan speed light		FOLLOW ME light
	COOL mode light		MED fan speed light		SLEEP light
	FAN mode light		LOW fan speed light	℃	Degrees Celsius
	DRY mode light		AUTO fan speed light	℉	Degrees Fahrenheit
	AUTO mode light		FILTER light		LED display
	WIRELESS light		POWER MANAGEMENT light		

NOTE: The unit you purchased may be look like one of the followings:



Operation

SWING

Swing button

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

SWING

(3 seconds)

Wireless button (optional)

Used to initiate the Wireless function. For the first time to use Wireless function, press and hold the swing button for 3 seconds to initiate the Wireless connextion mode. The LED DISPLAY shows 'AP' to indicate you can set Wireless connection. If connection (router) is successful within 8 minutes, the unit will exit Wireless connection mode automatically and the Wireless indicator illuminates. If connection is failure within 8 minutes, the unit exits Wireless connection mode automatically. After Wireless connection is successful, you can press and hold SWING and DOWN (-) buttons at the same time for 3 seconds to turn off Wireless function and the LED DISPLAY shows 'OF' for 3 seconds, press SWING and UP (+) buttons at the same time to turn on Wireless function and the LED DISPLAY shows 'ON' for 3 seconds.

NOTE: When you restart the Wireless function, it may take a period of time to connect to the network automatically.

TIMER

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.

MODE

Mode button

Selects the appropiate operating mode. Each time you press the button, a mode is selected in a sequence that goes from AUTO, COOL, DRY, FAN and HEAT (cooling only models without).

The mode indicator light illuminates under the different mode settings.

\+

—

Up (+) and Down (-) buttons

Used to adjust (increasing/decreasing) temperature settings in 1ºC/1ºF (or 2ºF) increments in a range of 17ºC/62ºF to 30ºC/86ºF (or 88ºF) or the TIMER setting in a range of 0~24 hrs.

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

SLEEP

Sleep (Eco) button

Used to initiate the SLEEP/ECO operation.

Power button

Power switch on/off.

LED display

Shows the set temperature in ºC or ºF ("ºF" no display for some models) and the Auto-timer settings. While on DRY and FAN modes, it shows the room temperature.

Shows Error codes and protection code:

E1- Room temperature sensor error.

E2- Evaporator temperature sensor error.

E3- Condenser temperature sensor error (on some models).

E4- Display panel communication error.

EC- Refrigerant leakage detection malfunction (on some models).

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.

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, DEHUMIDIFY or HEAT (electrical heat type) mode must be removed exhaust hose.

Operation

Operation 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 17ºC~30ºC/62ºF~86ºF (or 88ºF).
- 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 17ºC~30ºC/62ºF~86ºF (or 88ºF).
- 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 selectc a fan speed or adjust the temperature. The fan motor operates at LOW speed.
- Keep the 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 (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, both the AUTO mode and the actual operation mode indicator lights illuminate for some models.

NOTE: Under AUTO mode, both the AUTO mode and the actual operation mode indicator lights illuminate for some models.

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.
- Do not put the duct to window.

TIMER operation
- When the unit is on, press the Timer button will initiate the Auto-off stop program, the TIMER OFF indicator light illuminated. 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 illuminated. 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 will initiate the Auto-off stop program.
- Press or hold the UP or DOWN button to change the Auto time by 0.5 hour increments, up to 10 hours, then at 1 hour increments up to 24 hours. The control will count down the time remaining until start.
- The system will automatically revert back to display the previous temperature setting if there is no operation in a 5 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 timer program.

SLEEP(EXO) operation
- Press this button, the selected temperature will increase (cooling) or decrease (heating) by 1ºC/2ºF (or 1ºF) 30 minutes. The temperature will then increase (cooling) or decrease (heating) by another 1ºC/2ºF (or 1ºF) 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/Eco mode the unit will continue to operate as originally programmed.

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

Other features

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 again. If the unit does not receive the Follow Me/Temp Sensing signal during any 7 minutes interval, the unit will exit the Follow Me/Temp Sensing mode.
NOTE: This feature is unavailable 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.

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 will swing up and down automatically.
- Please do no adjust the louver manually.

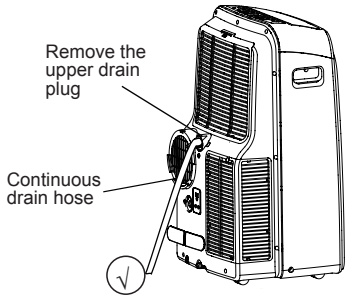
Operation

WAIT 3 MINUTES BEFORE RESUMING OPERATION
After the unit has stopped, it can not be restarted operation in the first 3 minutes. This is to protect the unit. Operation will automatically start after 3 minutes.

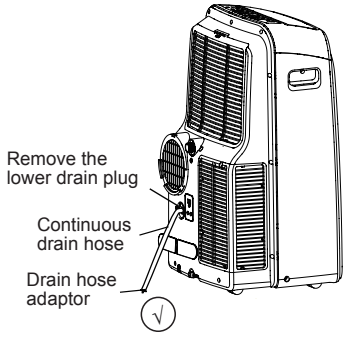
POWER MANAGEMENT feature (on some models)
When the ambient temperature is lower than the setting temperature for a period of time, the unit will be automatically operate power management feature. The compressor and fan motor stop. When the ambient temperature is higher than the setting temperature, the unit will be automatically quit the power management feature. The compressor and (or) fan motor run.
NOTE: For unit with power management light, the light will illuminate under this feature.

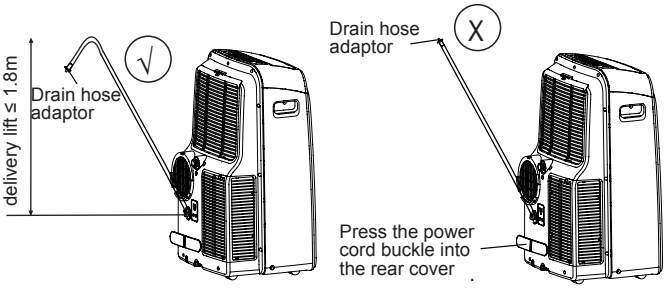
Water drainage

- During dehumidifying modes, remove the upper 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 hose to the hole. Place the open end of the hose directly over the drain area in your basement.

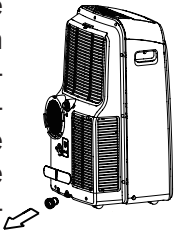


- During heating pump mode, remove the lower drain plug from the back of the unit, install the drain connector (5/8” universal female mender) with 3/4” hose (locally purchased). For the models without drain connector, just attach the drain hose to the hole. Place the open end of the hose adaptor directly over the drain area in your basement floor.
  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 warter 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 ✓). Do never let it up (See Figs. with ✗). 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.

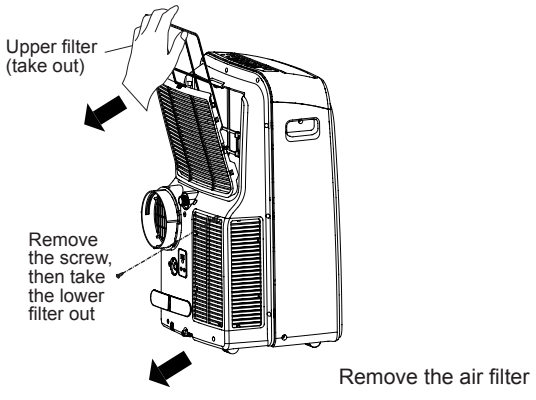


Maintenance

WARNING

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

Clean the Air Filter



CAUTION

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

Maintenance

Maintenance tips

- Be sure to clean the air filter every 2 weeks for optimal perfomance.
- 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 fue to animal hair.

Clean the Unit

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

Storafe 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.

Be sure to store the unit in a cool, drak 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 mildliquid dishwashing detergent. Rinse thoroughly and wipe dry. Never use harsh cleansers, 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.

Faults Diagnosis

Please check the machine according to the following form before asking for maintenance:

Problem	Possible Cause	Troubleshooting
Unit does not turn on when pressing ON/ OFF button	P1 Error Code	The Water Collection Tray is full. Turn off the unit, drain the water from the Water Collection Tray and restart the unit.
	In COOL mode: room temperature is lower than the set temperature	Reset the temperature.
Unit does not cool well	The air filter is blocked with dust or animal hair	Turn off the unit and clean the filter according to instructions
	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 vibrated too much	The ground is not level	Place the unit on a flat, level surface
	The air filter is blocked with dust or animal hair	Turn off the unit and clean the filter according to instructions
The unit makes a gurgling sound	This sound is caused by the flow of refrigerant inside the unit	This is normal

Design and Compliance Notes

Design Notice

The design and specifications are subject to change without prior notice for product improvement. Consult with the sales agency or manufacturer for details.
Any updates to the manual will be uploaded to the service web-site, please check for the latest version.

Energy Rating Information

The Energy Rating for this unit is based on an installation using an un-extended exhaust duct without window slider adaptor or wall exhaust adaptor A (as shown in the Installation section of this manual).

Unit Temperature Range

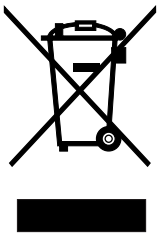
Mode	Temperature Range
Cool	17-35ºC (62-95ºF)
Dry	13-35ºC (55-95ºF)
Heat (pump heat mode)	5-30ºC (41-86ºF)
Heat (electrical heat mode)	≤ 30ºC (86ºF)

Sociable Remark

When using this unit in the European countries, the following 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 at least free of charge to the user.
B) When buying a new product, the retailer will take back the old product at least free of charge.
C) The manufacturer will take back the old appliance for disposal at least 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.



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