

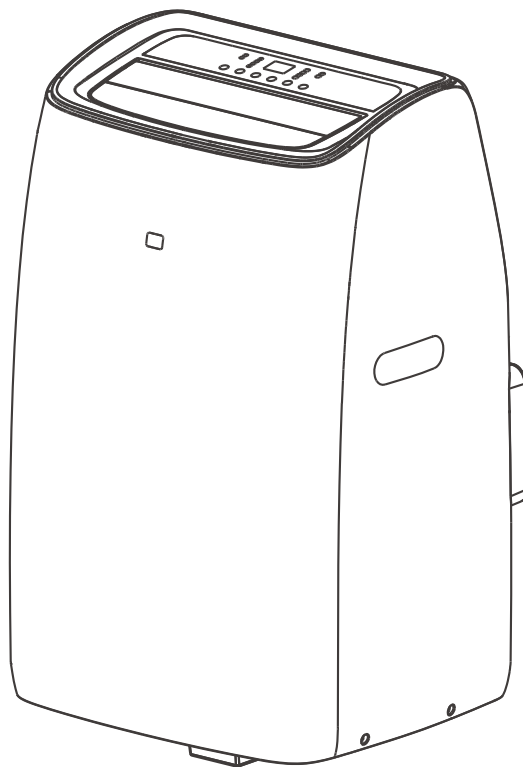
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Inverter Portable Air Conditioner Cl14

Product ID: QC32G

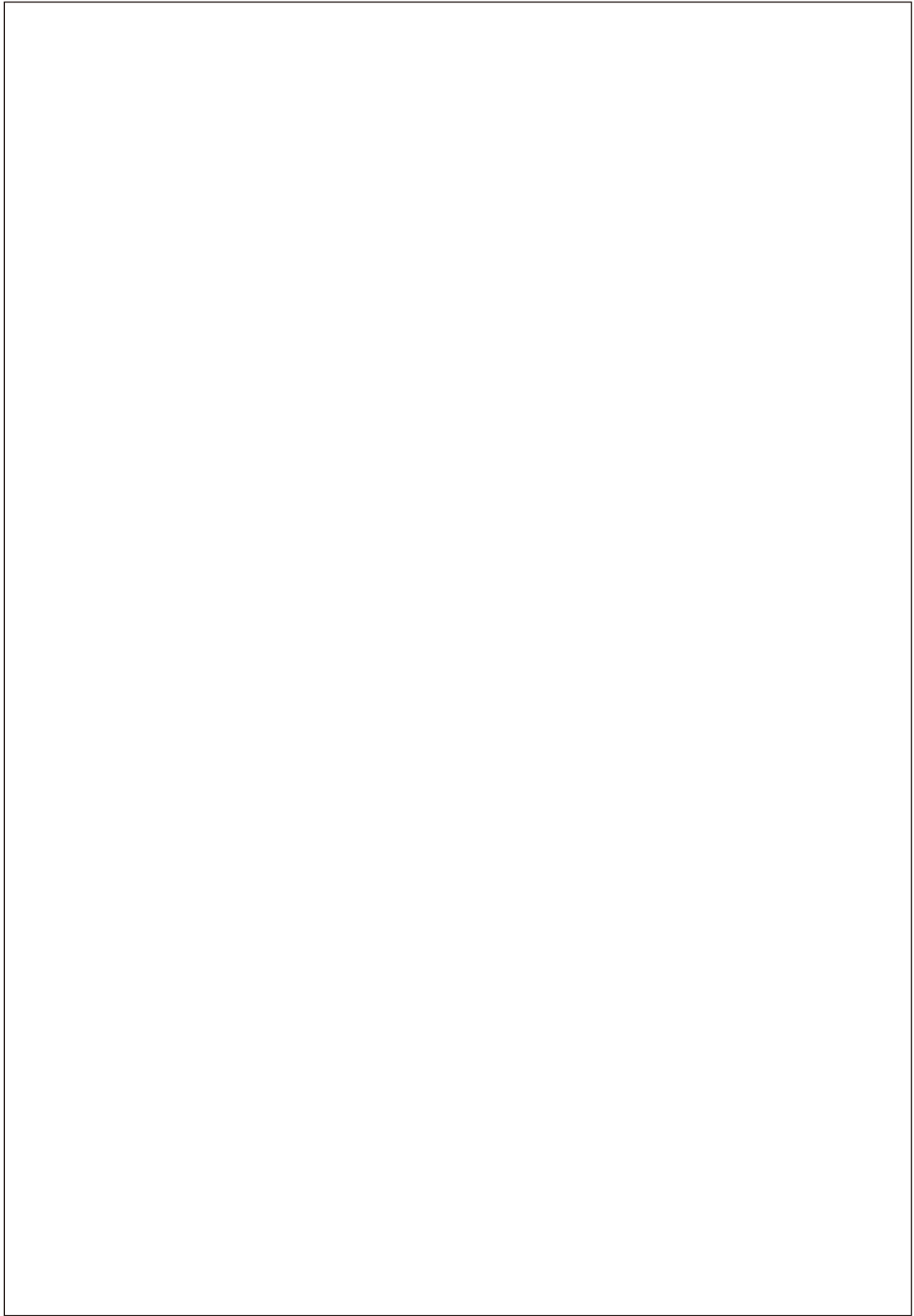


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■ ■ ■ IMPORTANT SAFEGUARDS

- This appliance is for household use only.
- Disconnect the appliance from its power source during service and when replacing parts and cleaning.
- Please note: Check the nameplate for the type of refrigerant gas used in your appliance.
- Specific information regarding appliances with refrigerant gas.

The appliance is recommended not to pierce the cooling circuit of the machine. At the end of its useful life, deliver the appliance to a special waste collection centre for disposal. GWP(Global Warming Potential): R410A: 2088, R134a: 1430, R290: 3, R32: 675.

- This hermetically sealed system contains fluoridated greenhouse gases.
- ENVIRONMENTAL INFORMATION: This unit contains fluoridated greenhouse gases covered by the Kyoto Protocol.
- Do not use this unit for functions other than those described in this instruction manual.
- Make sure the plug is plugged firmly and completely into the outlet. It can result in the risk of electric shock or fire.
- Do not plug other appliances into the same outlet, it can result in the risk of electric shock.
- Do not disassemble or modify the appliance or the power cord, it can result in the risk of electric shock or fire. All other services should be referred to a qualified technician.
- Do not place the power cord or appliance near a heater, radiator, or other heat source. It can result in the risk of electric shock or fire.
- This unit is equipped with a cord that has a earthed wire connected to an earthed pin or grounding tab. The plug must be plugged into a socket that is properly installed and earthed. Do not under any circumstances cut or remove the earthed pin or grounding tab from this plug.
- The unit should be used or store in such a way that it is protected from moisture e.g. condensation, splashed water, etc. Unplug unit immediately if this occurs.
- Always transport your appliance in a vertical position and place on a stable, level surface during use. If the unit is transported laying on its side it should be stood up and left unplugged for 6 hours.
- Always use the switch on the control panel or remote controller to turn the unit off, and do not start or stop operation by plugging in or unplugging the power cord. It can result in the risk of electric shock.
- Do not touch the buttons on the control panel with your wet and damp fingers.
- Do not use hazardous chemicals to clean or come into contact with the unit. To prevent damage to the surface finish, use only a soft cloth to clean the appliance. Do not use wax, thinner, or a strong detergent. Do not use the unit in the presence of inflammable substance or vapour such as alcohol, insecticides, gasoline, etc.
- If the appliance is making unusual sounds or is emitting smoke or an unusual odor, unplug it immediately.

- Do not clean the unit with water. Water can enter the unit and damage the insulation, creating a shock hazard. If water enters the unit, unplug it immediately and contact Customer Service.
- Utilize two or more people to lift and install the unit.
- Always grasp the plug when plugging in or unplugging the appliance. Never unplug by pulling on the cord. It can result in the risk of electrical shock and damage.
- Install the appliance on a sturdy, level floor capable of supporting up to 110lbs(50kg). Installation on a weak or unlevel floor can result in the risk of property damage and personal injury.
- Details of type and rating of fuses: T, 250V AC, 3.15A.

ELECTRICAL CONNECTIONS

Before plugging the appliance into the mains socket, check that:

- The mains power supply corresponds to the value indicated on the rating plate on the back of the appliance.
- The power socket and electrical circuit are adequate for the appliance.
- The mains socket matches the plug. If this is not the case, have the plug replaced.
- The mains socket is adequately earthed. Failure to follow these important safety instructions absolves the manufacturer of all liability.

WARNING

1. 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.
2. Children should be supervised to ensure that they do not play with the appliance.
3. 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.
4. The appliance shall be installed in accordance with national wiring regulations.
5. Do not use means to accelerate the defrosting process or to clean, other than those recommended by the manufacturer.
6. 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).
7. Do not pierce or burn.
8. Be aware that refrigerants may not contain an odour.

AVERTISSEMENT

1. Cet appareil n'est pas destiné à être utilisé par des personnes (y compris des enfants) ayant des capacités physiques, sensorielles ou mentales réduites, ou un manque d'expérience et de connaissances, sauf si elles ont reçu une supervision ou des instructions concernant l'utilisation de l'appareil par une personne responsable de leur sécurité.
2. Les enfants doivent être surveillés pour s'assurer qu'ils ne jouent pas avec l'appareil.
3. Si le CORDON D'ALIMENTATION est endommagé, il doit être remplacé par le fabricant, son agent de service ou des personnes de qualification similaire afin d'éviter tout danger.
4. L'appareil doit être installé conformément aux réglementations de câblage nationales.
5. Ne pas utiliser de produits permettant d'accélérer le dégel ou de produits de nettoyage autres que ceux recommandés par le fabricant.
6. L'appareil doit être entreposé dans un endroit sans source d'allumage fonctionnant en continu (par exemple : flamme nue, appareil au gaz en marche ou radiateur électrique en marche).
7. Ne pas percer ni brûler.
8. Attention: les frigorigènes peuvent être inodores.

WARNING

The handling, installation, storage, servicing and disposal must comply with the provisions of gas-related national laws and regulations, and also national wiring regulation. It is necessary to clear away the refrigerant in the system when maintaining or scrapping an appliance.

Ventilated area (open doors and Windows)

Ensure that the working area is open or well ventilated before turning on the system or performing hot work. Ventilation should be maintained during operation. Ventilation quickly displaces safely diluted leaked refrigerant into the atmosphere.

Flammable refrigerant R32/R290 is used within appliance. Please follow the instructions carefully to handle, install, clean, and service the appliance to avoid damage or hazard. Do not dispose of appliance in regular trash. Contact qualified agency for proper disposal.

Servicing shall be performed only as recommended by the manufacturer.



Information for qualification of workers

All operators or refrigeration system maintenance personnel shall have a valid certificate issued by an industry-recognized evaluation body to certify that they are qualified for the safe disposal of refrigerant agents as recognized by the industry;
Maintain and repair the equipment only in accordance with the method recommended by the equipment manufacturer. If other professionals are required to assist in the maintenance and repair of equipment, do so under the supervision of personnel qualified to use combustible refrigerants.

Class	Name	Classification of instructions	Personnel Qualification Requirements
A	Professional Maintenance Personnel	Personnel, such as installers and maintenance supervisors, who are required to install, repair, and weld the refrigeration system for flammable refrigerant products	Hold A class A certificate issued by the competent authority, available online.
B	Regular contacts personnel	1. Personnel who do not need to open the refrigeration system of combustible refrigerant products, such as relevant personnel of transportation enterprises and general maintenance personnel of product after-sales department, etc 2. Installation and maintenance personnel of conventional refrigerant products	Hold a Class B certificate issued by the competent authority, available online.
C (The enterprise internal)	Develop, design and test personnel	Combustible refrigerant system design personnel, supervision personnel	1. Master the skills and knowledge of basic safety welding and safety protection level of combustible refrigerant; 2. Familiar with product development process and capable of design; 3. Qualification certification/recognition shall be conducted by the institution where you work

1. Personnel with class A certificate can carry out the operation of class B personnel;
2. Class A and Class B personnel shall be trained and certified by the industry management institution designated by the state;
3. C type personnel should participate in the company's internal organization of professional training, obtain internal issued certification or accreditation qualifications.

Tooling Names	Use Requirement
Small vacuum pump	Explosion-proof vacuum pump: ensure a certain accuracy, vacuum degree should be less than 10Pa.
Filling equipment	Special explosion-proof charging equipment: with certain accuracy, the charging amount deviation is less than 5g.
Leak detector	Regular calibration: annual leakage rate is not higher than 10g.
Concentration detector	A) The maintenance site shall be equipped with A fixed combustible refrigerant concentration detector, which shall be connected to the safety protection alarm system: its error must be guaranteed not to be higher than 5%. B) The installation site shall be equipped with portable combustible refrigerant concentration detector, which can realize two-level acousto-optic alarm: its error must be guaranteed not to be higher than 10%. C) Regular calibration. D) Function check and confirmation shall be carried out before use.
Pressure gauge	A) The pressure gauge shall be calibrated regularly B) R290 and R161 refrigerant can use the pressure gauge of R22, R32 refrigerant can use the pressure gauge of R410A.
Fire extinguisher	Carry a fire extinguisher during installation and maintenance. There should be at least two kinds of dry powder, carbon dioxide and foam extinguishers in the maintenance site, and they should be placed in the prescribed position with eye-catching signs and accessible places.

1. The installation site should be in a well-ventilated condition.
2. The sites for installing and maintaining an air conditioner using Refrigerant R32 should be free from open fire or welding smoking, drying oven or any other heat source higher than 548°C which easily produces open fire.
3. When installing an air conditioner, it is necessary to take appropriate anti-static measures such as wear anti-static clothing and or gloves.
4. It is necessary to choose the site convenient for installation or maintenance wherein the air inlets and outlets of the indoor and outdoor units should be not surrounded by obstacles or close to any heat source or combustible and/or explosive environment.
5. If the indoor unit suffers refrigerant leak during the installation, all the personnel should go out till the refrigerant leaks completely for 15 minutes. If the product is damaged, it is a must to carry such damaged product back to the maintenance station and it is prohibited to weld the refrigerant pipe or conduct other operations on the user's site.
6. It is necessary to choose the place where the inlet and outlet air of the indoor unit is even.
7. It is necessary to avoid the places where there are other electrical products, power switch plugs and sockets, kitchen cabinet, bed, sofa and other valuables right under the lines on two sides of the indoor unit, and also prevent mechanical damage from occurring

REPAIRS TO SEALED COMPONENTS

1. During repairs to sealed components, all electrical supplies shall be disconnected from the equipment being worked upon prior to any removal of sealed covers, etc. If it is absolutely necessary to have an electrical supply to equipment during servicing, then a permanently operating form of leak detection shall be located at the most critical point to warn of a potentially hazardous situation.
2. Particular attention shall be paid to the following to ensure that by working on electrical components, the casing is not altered in such a way that the level of protection is affected. This shall include damage to cables, excessive number of connections, terminals not made to original specification, damage to seals, incorrect fitting of glands, etc. Ensure that apparatus is mounted securely. Ensure that seals or sealing materials have not degraded such that they no longer serve the purpose of preventing the ingress of flammable atmospheres. Replacement parts shall be in accordance with the manufacturer's specifications.

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.

REPAIR TO INTRINSICALLY SAFE COMPONENTS

Do not apply any permanent inductive or capacitance loads to the circuit without ensuring that this will not exceed the permissible voltage and current permitted for the equipment in use.

Intrinsically safe components are the only types that can be worked on while live in the presence of a flammable atmosphere. The test apparatus shall be at the correct rating. Replace components only with parts specified by the manufacturer. Other parts may result in the ignition of refrigerant in the atmosphere from a leak.

CABLING

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

DETECTION OF FLAMMABLE REFRIGERANTS

Under no circumstances 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.

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: safely remove refrigerant following local and national regulations; purge the circuit with inert gas; evacuate; purge again with inert gas; open the circuit by cutting or brazing.

CHARGING PROCEDURES

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

- Ensure that contamination of different refrigerants does not occur when using charging equipment. Hoses or lines shall be as short as possible to minimise the amount of refrigerant contained in them.
- Cylinders shall be kept upright.
- Ensure that the refrigeration system is earthed prior to charging the system with refrigerant.

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

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.

LABELLING

Equipment shall be labelled stating that it has been decommissioned 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.

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 are available. All cylinders to be used are designated for the recovered refrigerant and labelled for that refrigerant (i.e. special cylinders for the recovery of refrigerant). Cylinders shall be complete with pressure relief valve and associated shut-off valves in good working order. Empty recovery cylinders are evacuated and, if possible, cooled before recovery occurs.

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

The recovered refrigerant shall be returned to the refrigerant supplier in the correct recovery cylinder, and the relevant Waste Transfer Note arranged. Do not mix refrigerants in recovery units and especially not in cylinders.

If compressors or compressor oils are to be removed, ensure that they have been evacuated to an acceptable level to make certain that flammable refrigerant does not remain within the lubricant. The evacuation process shall be carried out prior to returning the compressor to the suppliers. Only electric heating to the compressor body shall be employed to accelerate this process. When oil is drained from a system, it shall be carried out safely.

GENERAL INSTRUCTIONS

1.1 Checks to the area

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

1.2 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.

1.3 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.

1.4 Checking for presence of refrigerant

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

1.5 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 CO₂ fire extinguisher adjacent to the charging area.

1.6 No ignition sources

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

1.7 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.

1.8 Checks to the refrigeration equipment

Where electrical components are being changed, they shall be fit for the purpose and to the correct specification. At all times the manufacturer's maintenance and service guidelines shall be followed. If in doubt consult the manufacturer's technical department for assistance. The following checks shall be applied to installations using flammable refrigerants: the charge size is in accordance with the room size within which the refrigerant containing parts are installed; the ventilation machinery and outlets are operating adequately and are not obstructed; if an indirect refrigerating circuit is being used, the secondary circuit shall be checked for the presence of refrigerant; marking to the equi-

pment continues to be visible and legible. Markings and signs that are illegible shall be corrected; refrigeration pipe or components are installed in a position where they are unlikely to be exposed to any substance which may corrode refrigerant containing components, unless the components are constructed of materials which are inherently resistant to being corroded or are suitably protected against being so corroded.

1.9 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.

According the US and CANADA ruler:



CAN ICES-003 (B)/NMB-003(B)

FCC Caution

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a

particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

IC Warning

This device complies with industry Canada's licence-exempt RSSs. Operation is subject to the following two conditions:

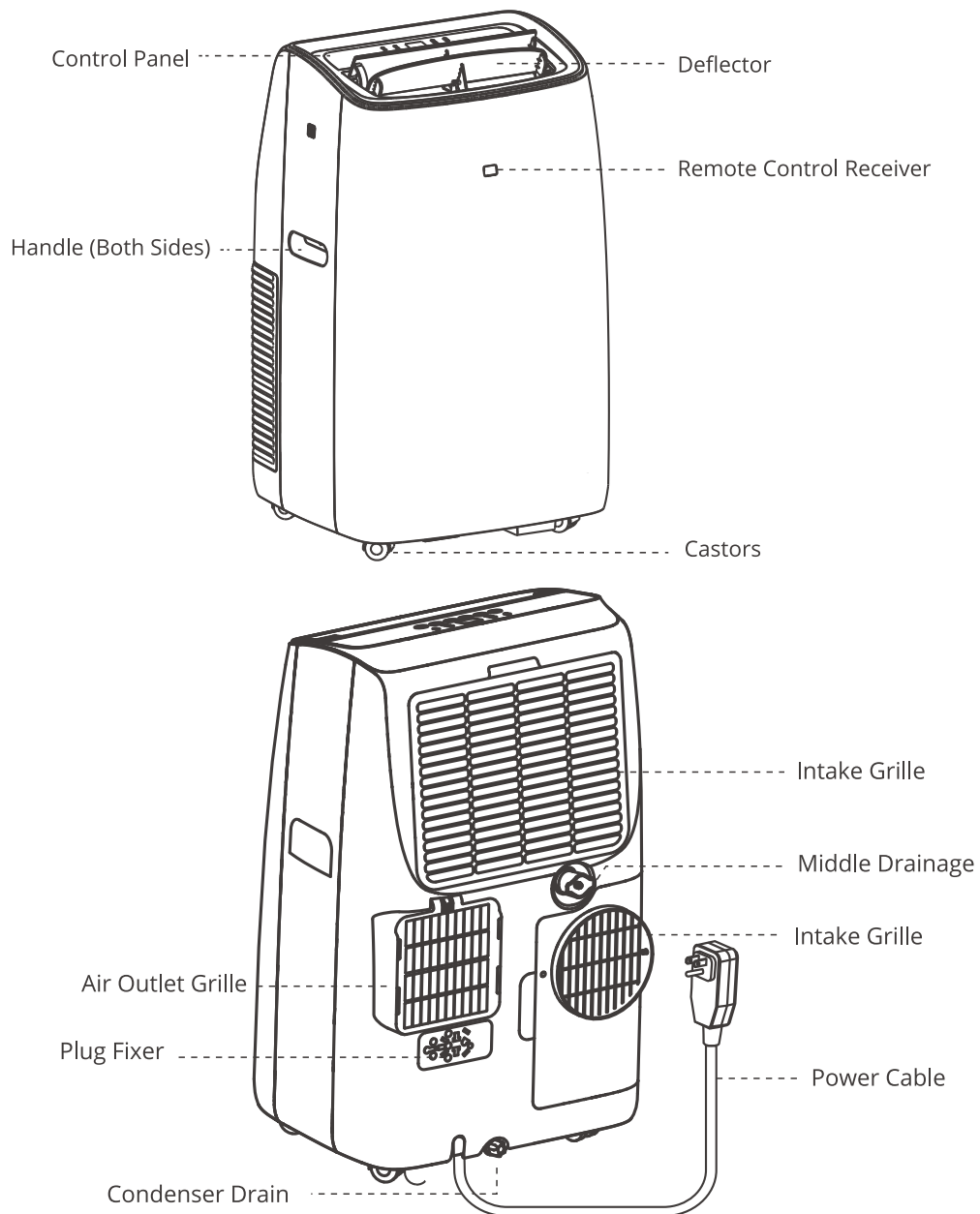
- (1) This device may not cause interference; and
- (2) This device must accept any interference, including interference that may cause undesired operation of the device.

Cet appareil est conforme aux CNR exemptes de licence d'Industrie Canada. Son fonctionnement est soumis aux deux conditions suivantes:

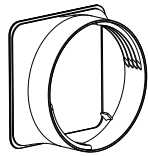
- (1) Ce dispositif ne peut causer d'interférences; et
- (2) Ce dispositif doit accepter toute interférence, y compris les interférences qui peuvent causer un mauvais fonctionnement de l'appareil.

SAVE THESE INSTRUCTIONS

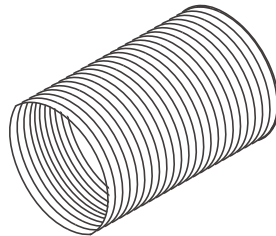
DESCRIPTION



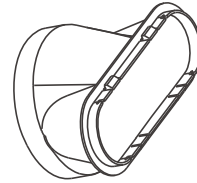
ACCESSORIES



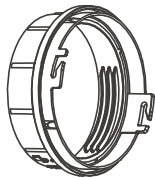
Hose Inlet



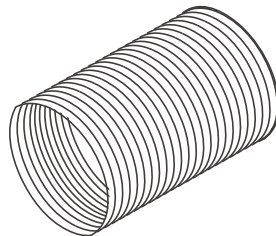
Exhaust Hose



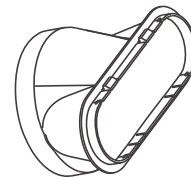
Hose Outlet



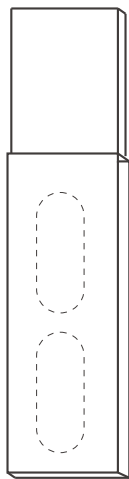
Hose Inlet



Exhaust Hose



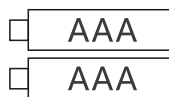
Hose Outlet



Window Slider Kit



Remote Control



Battery

Note: All the illustrations in this manual are for explanatory purposes only. Your appliance may be slightly different. Be sure all accessories are removed from the packing before use.

■ ■ ■ INSTALLATION INSTRUCTIONS

EXHAUSTING HOT AIR

When use the appliance in cool mode, the hot air exchange of the condenser must be exhausted out of the room completely.

First position unit on a flat floor and make sure there's a minimum of 18" (45cm) clearance around the unit, and is within the vicinity of a single circuit outlet power source.

1. Extend either side of the hose (Fig.1), and screw the hose inlet (Fig.2).

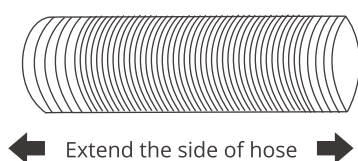


Fig.1

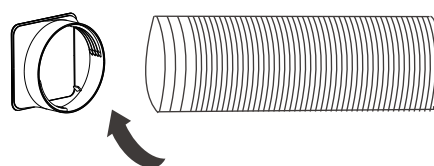


Fig.2

2. Extend the other side of the hose and screw it to the hose outlet (Fig.3).

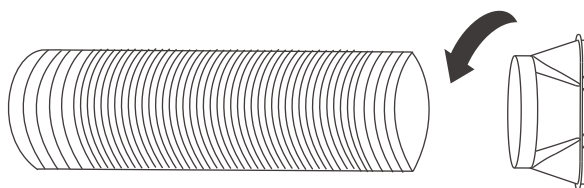


Fig.3

3. Install the hose inlet into the unit (Fig.4).

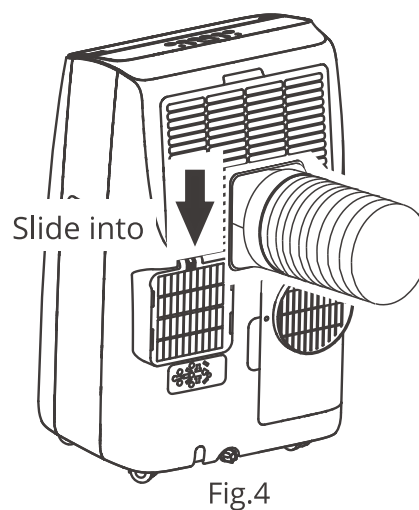


Fig.4

4. Affix the hose outlet into the window slider kit and seal. (Fig.5 &6).

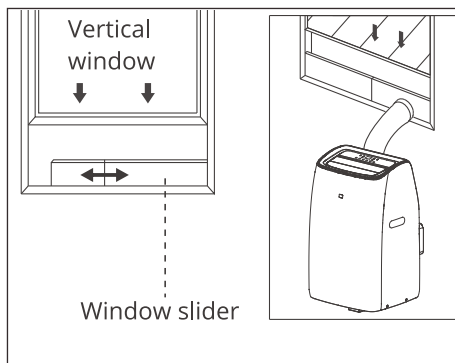


Fig.5

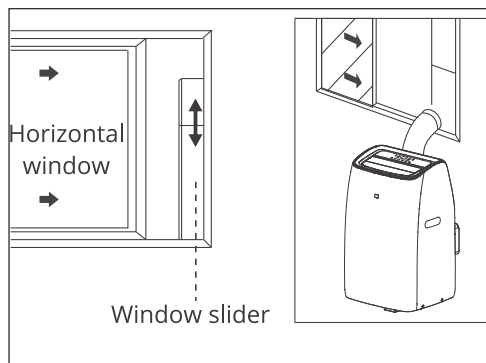


Fig.6

INTAKE OUTDOOR AIR

1. Use the same way to assemble the intake hose.
2. Extend either side of the hose (Fig.1), and screw the hose inlet (Fig.2).

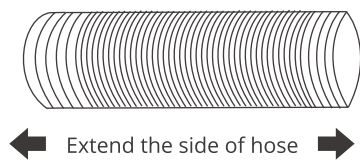


Fig.1

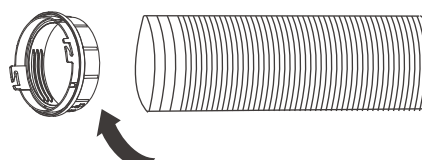


Fig.2

3. Extend the other side of the hose and screw it to the hose outlet (Fig.3).

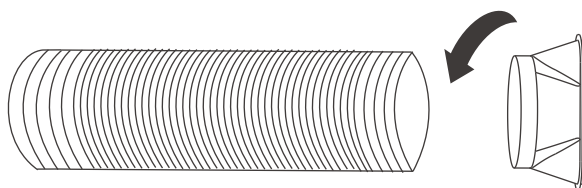


Fig.3

4. Install the hose inlet into the unit (Fig.4).

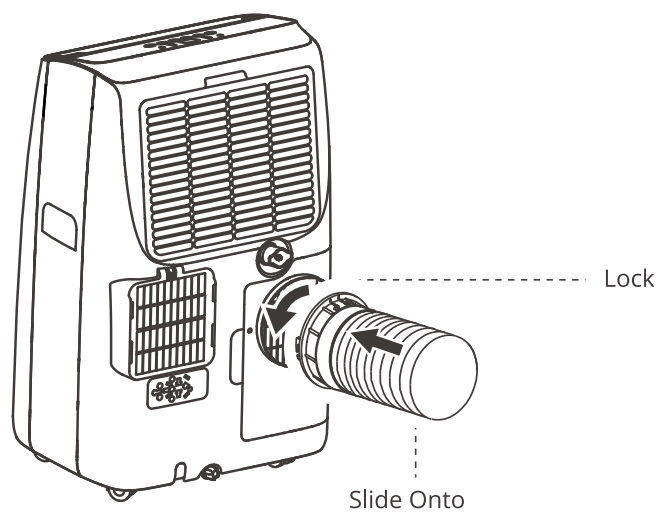


Fig.4

5. Affix the hose outlet into the window slider kit and seal. (Fig.5 &6).

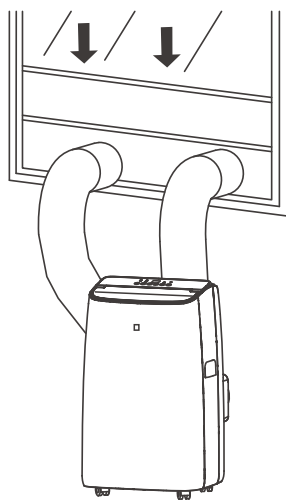


Fig.5

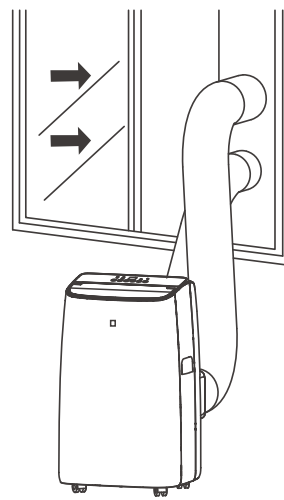
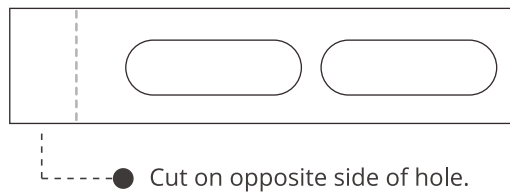


Fig.6

The window slider kit has been designed to fit most standard vertical and horizontal window applications, however, it may be necessary for you to modify some aspects of the installation procedures for certain types of windows. The window slider kit can be fastened with screws.

NOTE: If the window opening is less than the minimum length of the window slider kit, cut the end without the hold in it short enough to fit in the window opening. Never cut out the hole in window slider kit.



WINDOW SLIDER KIT INSTALLATION

• Parts

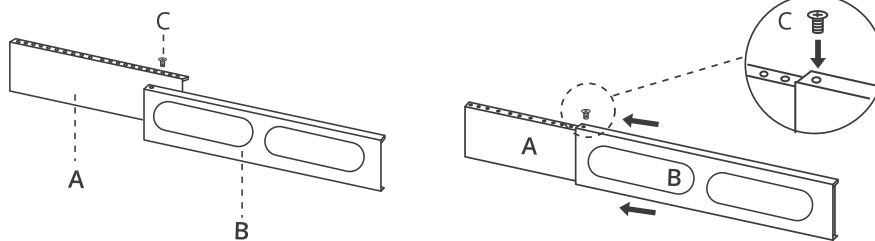
- A) Panel
- B) Panel with one hole
- C) Screw / Pin

• Assembly

Slide Panel B into Panel A and size to window width. Windows sizes vary. When sizing the window width, be sure that the window kit assembly is free from gaps from gaps and or air pockets when taking measurements.

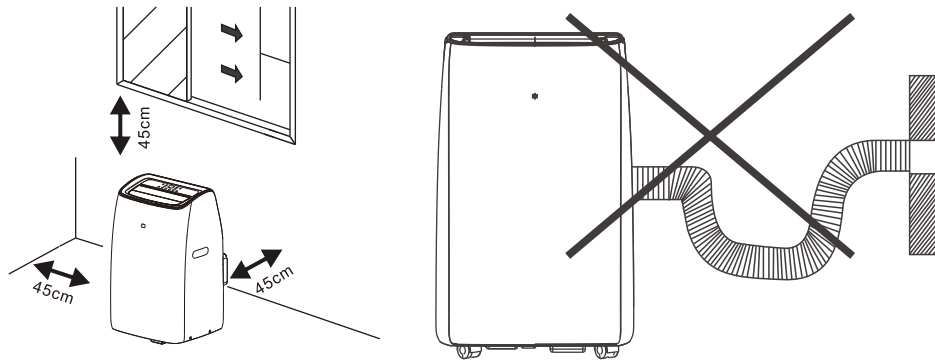
• Lock the screw / Pin

Lock the screw/pin into the holes that correspond. With the width that your window requires to ensure that there are no gaps or air pockets in the window kit assembly after installation.

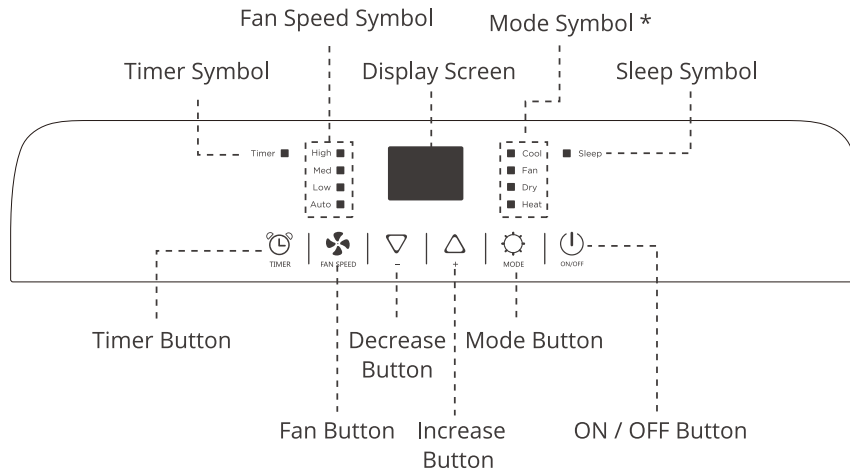


LOCATION

- The unit 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 carpeted surfaces. Use caution and protect floors when rolling over wood floors. 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 18" (45cm) of around and above space away from the wall for efficient working.
- The hose can be extended, but it is the best to keep the length to minimum required. Also make sure that the hose does not have any sharp bends or sags.



CONTROL PANEL



"*" means the heat symbol only the heat pump model have this function.

Turning the Appliance On

Plug into the mains socket, then the appliance is standby.

Press the  button to make the appliance turn on. The last function active when it was turned off will appear.



COOL Mode

Ideal for hot muggy weather when you need to cooling and dehumidify the room.

To set this mode correctly:

- Press the  button a number of times until the "Cool" symbol appears.
- Select the target temperature 18°C-32°C (64°F-90°F) by pressing the  or  button until the corresponding value is displayed.
- Select the required fan speed by pressing the  button to select the required fan speed: High / Med / Low / Auto.



The most suitable temperature for the room during the summer varies from 24°C to 27°C (75°F to 81°F). You are recommended, however, not to set a temperature much below the outdoor temperature. The fan speed difference is more noticeable when the appliance is under Fan mode but may not be noticeable under Cool mode.

HEAT mode *

"*" means only the heat pump model have this function.

To set this mode correctly:

- Press the  button a number of times until the Heat symbol appears.
- Select the target temperature 13°C-27°C (55°F-81°F) by pressing the  or  button until the corresponding value is displayed.
- Select the required fan speed by pressing the  button to select the required fan speed: High / Med / Low / Auto.
- Water is removed from the air and collected in the tank.
- When the tank is full, the appliance shuts down and "Fl" (full tank) appears on the display. The tank cap must be extracted and emptied water. Run off all water left into a basin. When all the water has been drained, put the cap back in place.
- When the tank has been emptied, the appliance starts up again.



Note:

- When operating in very cold rooms, the appliance defreezes automatically, momentarily interrupting normal operation. During this operation, it is normal for the noise made by the appliance to change.
- In this mode, you may have to wait for a few minutes before the appliance starts giving out hot air.
- In this mode, the fan may operate for short periods, even though the set temperature has already been reached.

FAN Mode

When using the appliance in this mode, the air hose does not need to be attached.

- Press the  button a number of times until the "Fan" symbol appears.
- Select the required fan speed by pressing the  button to select the required fan speed: High / Med / Low.
- The screen display as below :

High	Medium	Low
		

DRY Mode

Ideal to reduce room humidity (spring and autumn, damp rooms rainy periods, etc). In dry mode, the appliance should be prepared in the same way as for cool mode, with the air exhaust hose attached to enable the moisture to be discharged outside.

To set this mode correctly:

- Press the  button a number of times until the Dry symbol appears. The screen display "dh".
- In this mode, fan speed is selected automatically by the appliance and can not be set manually.



SMART Mode

The appliance chooses automatically whether to operate in cool, fan or heat (certain models only) mode. To set this mode correctly:

- Press the  button a number of times until the screen show like below:



- Select the required fan speed by pressing the  button to select the required fan speed: High / Med / Low / Auto.

If the appliance is cooling only model, the unit operates in Fan mode when the room temperature is below 23°C (73°F), and Cool mode when the room temperature is above 23°C (73°F).

If the appliance is cooling and heating model, the unit operates in Heat mode when the room temperature is below 20°C (68°F), and Fan mode when the room temperature is from 20°C (68°F) to 23°C(73°F), and Cool mode when the room temperature is above 23°C (73°F).

SETTING THE TIMER

This timer can be used to delay the appliance start-up or shutdown, this avoids wasting electricity by optimizing operating periods.

Programming Start Up

- Turn on the appliance, choose the mode you want, for example cool, 24°C, high fan speed. Turn off the appliance.
- Press the  button, the "Timer" symbol and number of hours flash.
- Press the " " button until the corresponding time is displayed.
- Wait about 5 seconds, the timer will be active, the "Timer" symbol is light.
- Press again the Timer button  or the  button, the timer will be canceled, and the "Timer" symbol will disappear from screen.

Programming Shut Down

When the appliance is running, press the  button, the "Timer" symbol and number of hours flash.

- Press the  button until the corresponding time is displayed.
- Wait about 5 seconds, the timer will be active, the "Timer" symbol is light.
- Press again the Timer button  or the  button, the timer will be canceled, and the "Timer" symbol will disappear from screen.

Switch the Unit of Temperature

When the appliance is running, hold on " " and " " button together 3 seconds by the same time, then you can change the unit of temperature.

For example:

Before change, in cool mode, the screen display like fig1.

After change, in cool mode, the screen display like fig2.



Fig.1



Fig.2

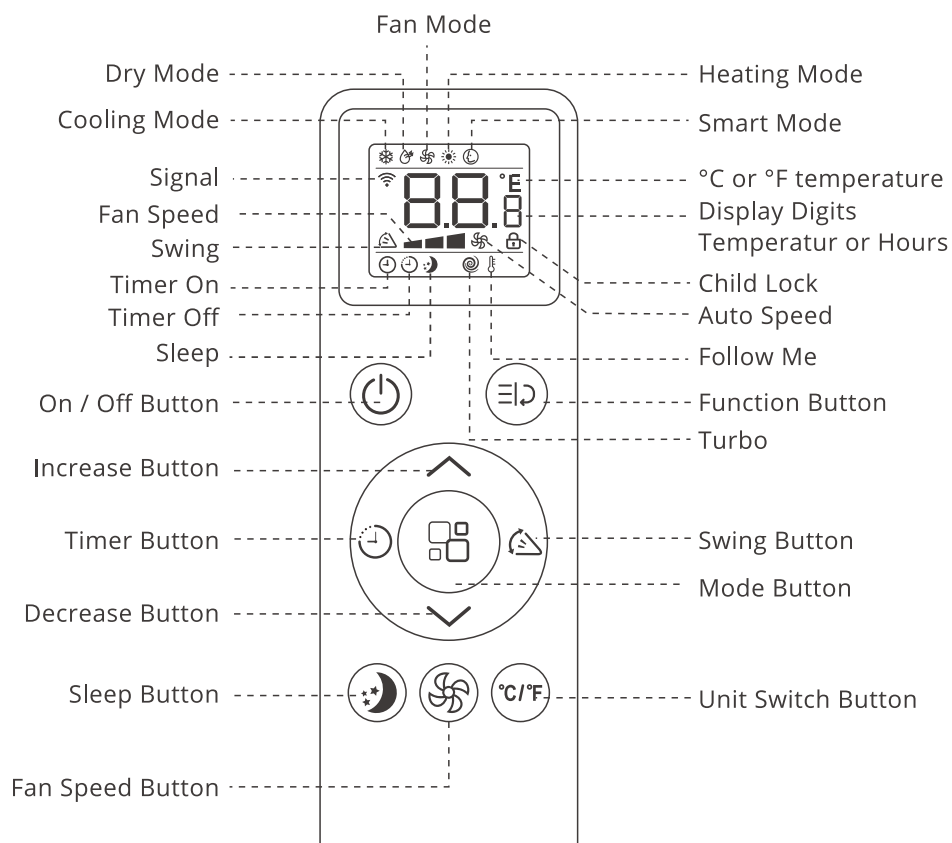
SELF-DIAGNOSIS

The appliance has a self diagnosis system to identify a number of malfunctions. Protection tips are displayed on the appliance display.

IF IS DISPLAYED	WHAT SHOULD I DO?
 FULL TANK (safety tank full)	Empty the internal safety tank, following the instructions in the "End of season operations" paragraph.

Above code is only partially code, if screen show the other codes, please call the service center.

REMOTE CONTROL

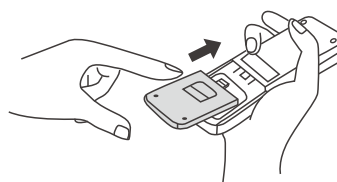


- Point the remote control at the receiver on the appliance.
- The remote control must be no more than 7 meters away from the appliance (without obstacles between the remote control and the receiver).
- The remote control must be handled with extreme care. Do not drop it or expose it to direct sunlight or sources of heat. If the remote control do not work, please try to take out the battery, and put it back.



INSERTING OR REPLACING THE BATTERIES

- Remove the cover on the rear of the remote control.
- Insert two "AAA" 1.5V batteries in the correct position (see instructions inside the battery compartment).
- Replace the cover.



NOTE:

- If the remote control unit is replaced or disposed of, the batteries must be removed and discarded in accordance with current legislation as they are harmful to the environment.
- Do not mix old and new batteries. Do not mix alkaline, standard (carbon-zinc) or rechargeable (nickel-cadmium) batteries.
- Do not dispose of batteries in fire. Batteries may explode or leak.
- If the remote control is not be used for a certain length of time, remove the batteries.

COOL Mode

Ideal for hot muggy weather when you need to cooling and dehumidify the room.

To set this mode correctly:

- Press the  button a number of times until the  symbol appears.
- Select the target temperature 18°C -32°C (64°F-90°F) by pressing. The  or  button until the corresponding value is displayed.



- Select the required fan speed by pressing the  button. Four speeds are available: High / Medium / Low / Auto.

Low	Medium	High	Auto
			

HEAT Mode *

"*" means only the heat pump model have this function.
If the appliance is cooling only, when choose this function, will turn to FAN mode.



To set this mode correctly:

- Press the  button a number of times until the  symbol appears.
- Select the target temperature 13°C-27°C (55°F-81°F) by pressing the  or  button until the corresponding value is displayed.
- Select the required fan speed by pressing the  button. Four speeds are available: High / Medium / Low / Auto.
- Water is removed from the air and collected in the tank.
- When the tank is full, the appliance shuts down and "Ft" (full tank) appears on the display. The tank cap must be extracted and emptied. Run off all water left into a basin. When all the water has been drained, put the cap back in place.
- When the tank has been emptied, the appliance starts up again. N.B.:
 - When operating in very cold rooms, the appliance defreezes automatically, momentarily interrupting normal operation. During this operation, it is normal for the noise made by the appliance to change.
 - In this mode, you may have to wait for a few minutes before the appliance starts giving out hot air.
 - In this mode, the fan may operate for short periods, even though the set temperature has already been reached.

FAN Mode

When using the appliance in this mode, the air hose does not need to be attached.

- Press the  button a number of times until the  symbol appears.
- Select the required fan speed by pressing the  button. Three speeds are available: High / Medium / Low.

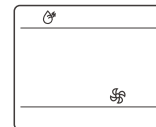


DRY Mode

Ideal to reduce room humidity (spring and autumn, damp rooms rainy periods, etc).
In dry mode, the appliance should be prepared in the same way as for cool mode, with the air exhaust hose attached to enable the moisture to be discharged outside.

To set this mode correctly:

- Press the  button a number of times until the  symbol appears.
- In this mode, fan speed is selected automatically by the appliance and can not be set manually.



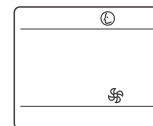
SMART Mode

The appliance chooses automatically whether to operate in cool, fan or heat mode (some certain models have not heat mode).

To set this mode correctly:

- Press the  button a number of times until the  symbol appears.
- Select the required fan speed by pressing the  button.

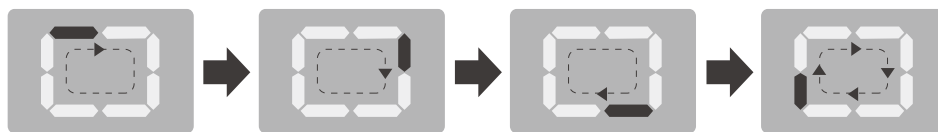
Four speeds are available: High / Medium / Low / Auto.



If the appliance is cooling only model, the unit operates in Fan mode when the room temperature is below 23°C (73°F), and Cool mode when the room temperature is above 23°C (73°F).

If the unit is cooling and heating model, the unit operates in Heat mode when the room temperature is below 20°C (68°F), and Fan mode when the room temperature is from 20°C (68°F) to 23°C (73°F), and Cool mode when the room temperature is above 23°C (73°F).

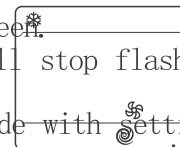
Display on the control panel:



It is SMART mode when the display will be running circulating.

TUBOR Mode

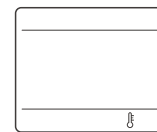
- Press the  button, the  symbol flash on screen.
- Press the  button again to confirm, the  will stop flash and show on screen, that the function is working.
- This function set the appliance directly to COOL mode with setting temperature 18°C (64°F) and High fan speed in order to reach low temperature in the shortest time.



- This function can not be set in Heat mode.
- To cancel this function, press the , the  will flash on screen, and then press the  button again to confirm, the  will stop flash and disappear from screen.
- Press other button like " " or " " or " " also can cancel this function.

Follow Me Function

- This function 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 function, point the remote control towards the appliance and press the , and use  or  button to until the  show on screen, and then press the  button to confirm.



The remote display is actual temperature at its location. The remote control will send this signal to the air conditioner every 20 minutes interval until press the Follow Me / Temp Sensing button again.

If the unit does not receive the Follow Me/Temp Sensing signal during any 25 minutes interval, the unit will exit the Follow Me/Temp Sensing mode.

SWING Function

This function is useful for select the up/down swing of air delivery.

To set this function correctly:

- Select the operating mode (cool, dry, fan) as described above.
- Press the , the deflector will start or stop swing.



SLEEP Function

This function is useful for the night as it gradually reduces operation of the appliance.

To set this function correctly:

- Select the cool or heat mode as described above.
- Press the " " button.

The appliance operates in the previously selected mode.



When you choose the sleep function, the screen will reduce the brightness, and the fan speed is low.

The SLEEP function maintains the room at optimum temperature without excessive fluctuations in either temperature or humidity with silent operation. Fan speed is always at Low, while room temperature and humidity vary gradually to ensure the most comfortable.

When in COOL mode, the selected temperature will increase by 1°C (1°F) per hour in a 2 hour period. This new temperature will be maintained for the next 6 hours. Then the appliance turn it off.

The SLEEP function can be canceled at any time during operation by pressing the "Sleep", "Mode" or "fan speed" button. In FAN or DRY mode, SLEEP function cannot be set.

Programming Start Up

- Turn on the appliance, choose the mode you want, for example cool, 24°C, high fan speed. Turn off the appliance.

- Press the  button twice, the screen will display 0.5-24 hours, and the  symbol and " h " symbol is flash.

- Press the  or  button several times until the corresponding time is displayed.

Press the  button again, the timer will be active, then the  symbol displayed on screen.

- Press again the  button or the  button, the timer will be canceled, and the  symbol disappear .



Programming Shut Down

- When the appliance is running, press the  button, the screen will display 0.5-24

hours, the the  symbol and " h " symbol is flash.

- Press the  or  button several times until the corresponding time is displayed.

Press the  button again, the timer will be active, then the  symbol displayed on screen.

- Press again the  button or the  button, the timer will be canceled, and the  symbol disappear .



Switch the Unit of Temperature

When the appliance is running, press the **°C/°F** button, then you can change the unit of temperature.

For example:

Before change, in cool mode, the screen display like fig1.

After change, in cool mode, the screen display like fig2.



Fig.1



Fig.2

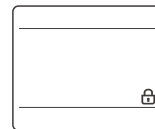
CHILD LOCK Function

This function is prevent the any accidental setting changes.

- Hold the "  " and "  " button together about 3 seconds to active the child-lock function, and the "  " symbol is appear on screen.

- When this function is active, it will not respond to any actions.

- Hold the "  " and "  " button together about 3 seconds again, the child-lock will be canceled, and the "  " symbol is disappear.



■ ■ TIPS FOR CORRECT USE

To get the best from your appliance, follow these recommendations:

- Close the windows and doors in the room to be air conditioned (fig.7). When installing the appliance semi-permanently, you should leave a door slightly open (as little as 1 cm) to guarantee correct ventilation;
- Protect the room from direct exposure to the sun by partially closing curtains and/or blinds to make the appliance much more economical to run (fig.8);

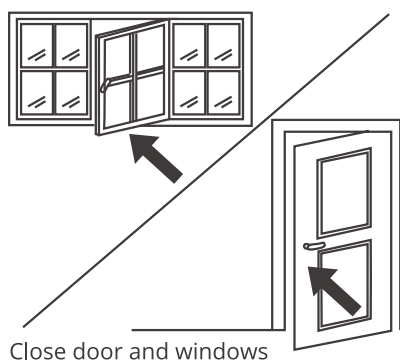


Fig.7

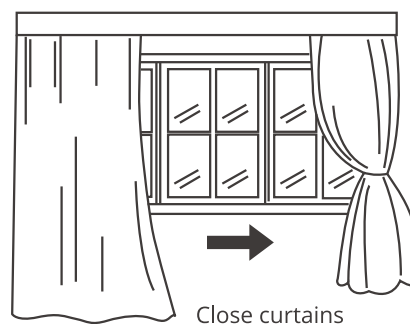


Fig.8

- Never rest objects of any kind on the appliance;
- Do not block the air inlet or outlet of the appliance. Reduced air flow will result in poor performance and could damage the unit (fig. 9).
- Make sure there are no heat sources in the room;
- Never use the appliance in very damp rooms (laundries for example).
- Never use the appliance outdoors.
- Make sure the appliance is standing on a level surface. If necessary, place the castor locks under the front wheels.

Do not cover the appliance

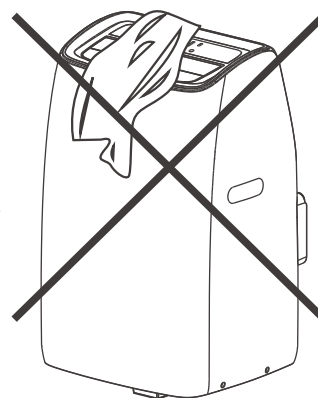


Fig.9

■ WATER DRAINAGE METHOD

When there is excess water condensation inside the unit, the appliance stops running and shows "FE" (FULL TANK as mentioned in SELF-DIAGNOSIE). This indicates that the water condensation needs to be drained using the following procedures:

Manual Draining

Water may need to be drained in high humidity areas.

1. Unplug the unit from power source.
2. Place a drain pan under the lower drain plug. See diagram.
3. Remove the lower drain plug.
4. Water will drain out and collect in the drain pan (not supplied).
5. After the water is drained, replace the lower drain plug firmly.
6. Turn on the unit.

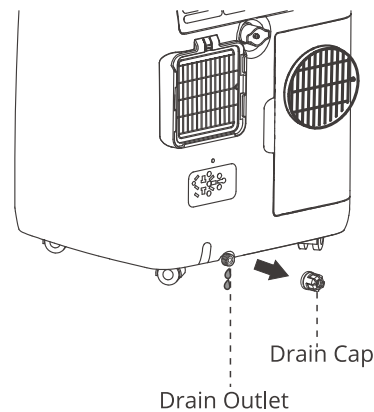


Fig.10

Continuous Draining

While using the unit in HEAT mode, continuous drainage is recommended.

1. Unplug the unit from the power source.
2. Remove the drain plug. While doing this operation some residual water may spill so please have a pan to collect the water.
3. Connect the drain hose (1/2" or 12.7mm, maybe not supplied). See diagram.
4. The water can be continuously drained through the hose into a floor drain or bucket.
5. Turn on the unit.

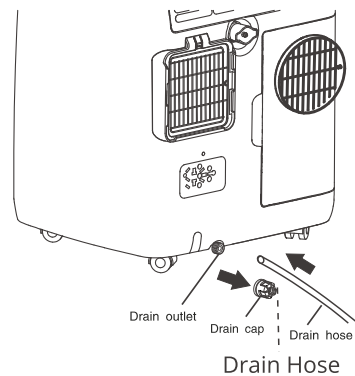


Fig.11

NOTE:

Please be sure that the height of and section of the drain hose should not be higher than that of the drain outlet, or the water tank may not be drained. (fig.12 and fig.13)

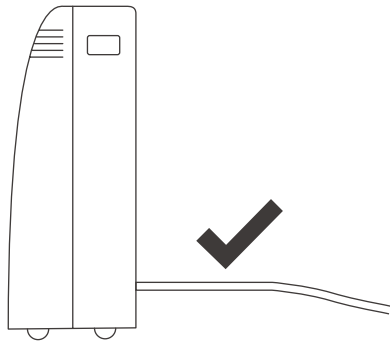


Fig.12

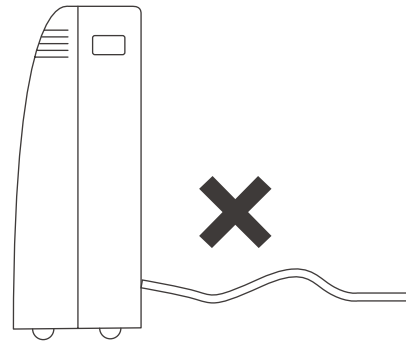


Fig.13

Middle Drainage

When unit running in Dry mode, you can choose the way below to drainage.

1. Unplug the unit from the power source.
2. Remove the drain plug (fig A). While doing this operation some residual water may spill so please have a pan to collect the water.
3. Connect the drain hose (1/2" or 12.7mm, maybe not supplied). (fig B)
4. The water can be continuously drained through the hose into a floor drain or bucket.
5. Turn on the unit.

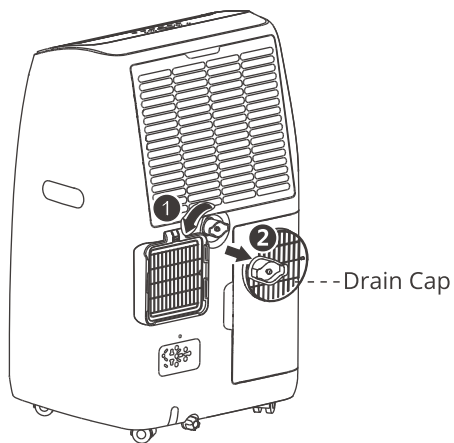


Fig.A

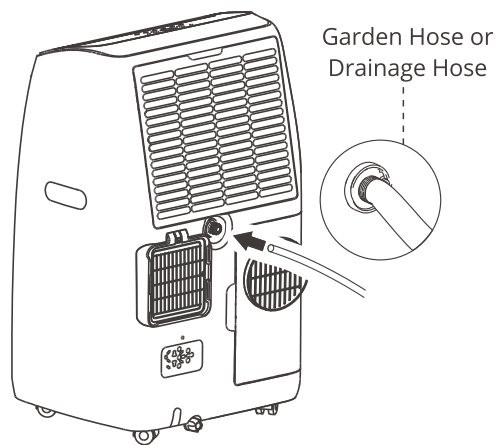


Fig.B

NOTE:

Please be sure that the height of and section of the drain hose should not be higher than that of the drain outlet, or the water tank may not be drained. (fig.14 and fig.15)

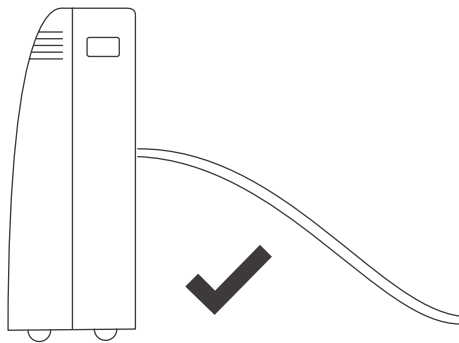


Fig.14

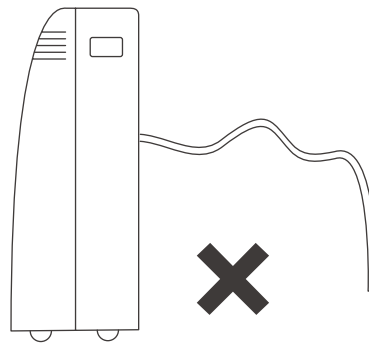


Fig.15

CLEANING

Before cleaning or maintenance, turn the appliance off by pressing the  button on the control panel or remote control, wait for a few minutes then unplug from the mains socket.

CLEANING THE CABINET

You should clean the appliance with a slightly damp cloth then dry with a dry cloth.

- Never wash the appliance with water. It could be dangerous.
- Never use petrol, alcohol or solvents to clean the appliance.
- Never spray insecticide liquids or similar.

CLEANING THE AIR FILTERS

To keep your appliance working efficiently, you should clean the filter every month of operation.

The filter can take out like fig below.

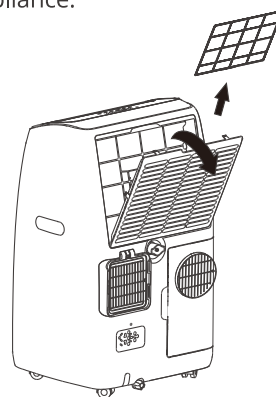


Fig.16

To avoid possible cuts, avoid contacting the metal parts of the appliance when removing or re-installing the filter. It can result in the risk of personal injury.
Use a vacuum cleaner to remove dust accumulations from the filter. If it is very dirty, immerse in warm water and rinse a number of times. The water should never be hotter than 40°C (104°F). After washing, leave the filter to dry then attach the intake grille to the appliance.

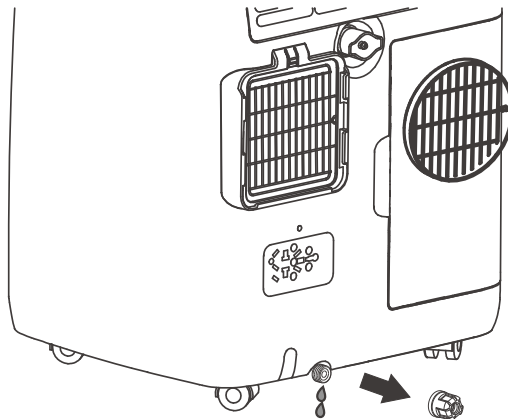
■ ■ START-END OF SEASON OPERATIONS

START OF SEASON CHECKS

Make sure the power cable and plug are undamaged and the earth system is efficient. Follow the installation instructions precisely.

END OF SEASON OPERATIONS

To empty the internal circuit completely of water, remove the cap.
Run off all water left into a basin. When all the water has been drained, put the cap back in place.
Clean the filter and dry thoroughly before putting back.



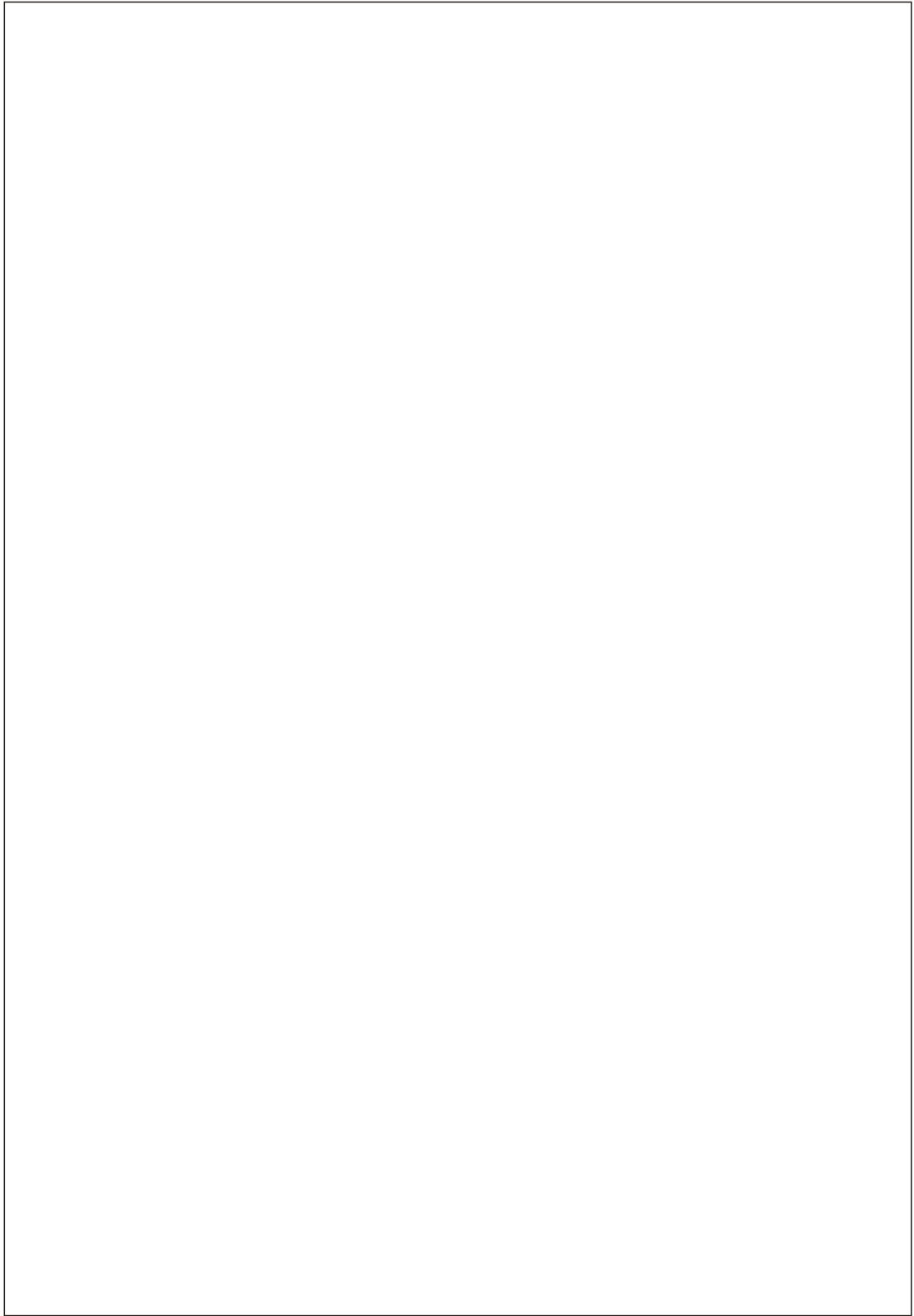
Strictest operation environment:

Cooling mode: indoor side 18°C-35°C (64°F-95°F), outdoor side 10°C-43°C (50°F-109°F)

Heating mode: indoor side 10°C-25°C (50°F-77°F), outdoor side 10°C-25°C (50°F-77°F)

TROUBLESHOOTING

Problem	Cause	Solution
The appliance does not come on	There is no current	Wait
	It is not plugged into the mains	Plug into the mains
	The internal safety device has tripped	Wait 30 minutes, if the problem persists, contact your service center
The appliance works for a short time only	Here are bends in the air exhaust hose	Position the air exhaust hose correctly, keeping it as short and free of curves as possible to avoid bottlenecks
	Something is preventing the air from being discharged	Check and remove any obstacles obstructing air discharge
The appliance works but does not cool the room	Windows, doors and / or curtains open	Close doors, windows and curtains, bearing in mind the "tips for correct use" given above
	There are heat sources in the room (oven, hairdryer, etc)	Eliminate the heat sources
	The air exhaust hose is detached from the appliance	Fit the air exhaust hose in the housing at the back of the appliance
	The technical specification of the appliance is not adequate for the room in which it is located	
During operation, there is an unpleasant smell in the room	Air filter clogged	Clean the filter as described above
The appliance does not operate for about three minutes after restarting it	The internal compressor safety device prevents the appliance from being restarted until three minutes have elapsed since it was last turned off	Wait. This delay is part of normal operation
The following message appears on the display: 	The appliance has a self diagnosis system to identify a number of malfunctions	See the SELF-DIAGNOSIS Chapter





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Made in China

