



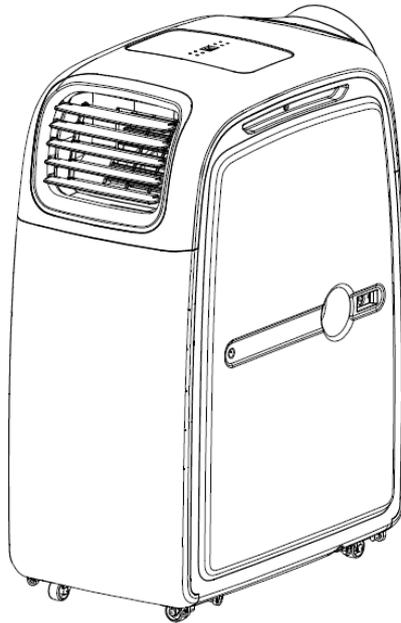
Portable Air-conditioner User's Manual(R290)

For Model :

A015A-12C

A015A-14C

A015A-16C



Please read this user's manual carefully to ensure proper use, maintenance and installation

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1. Safety Awareness

VERY IMPORTANT!

Please do not install or use your portable air conditioner before you have carefully read this manual. Please keep this instruction manual for an eventual product warranty and for future reference.

Warning

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 the refrigerants may not contain an odour.

Appliance shall be installed, operated and stored in a room with a floor area larger than X m².

MODEL	X (m ²)
5000Btu/h,7000Btu/h,8000Btu/h	4
9000Btu/h,10000Btu/h,10500Btu/h	12
12000Btu/h,14000,16000Btu/h,18000Btu/h	15

Warning (for R290)

Specific information regarding appliances with R290 refrigerant gas.

- Thoroughly read all of the warnings.
- When defrosting and cleaning the appliance , do not use any tools other than those recommended by the manufacturing company.

- The appliance must be placed in an area without any continuously sources of ignition (for example: open flames , gas or electrical appliances in operation).
- Do not puncture and do not burn.
- This appliance contains Y g (see rating label back of unit) of R290 refrigerant gas.
- R290 is a refrigerant gas that complies with the European directives on the environment. Do not puncture any part of the refrigerant circuit.
- If the appliance is installed, operated or stored in an unventilated area, the room must be designed to prevent to the accumulation of refrigerant leaks resulting in a risk of fire or explosion due to ignition of the refrigerant caused by electric heaters, stoves, or other sources of ignition.
- The appliance must be stored in such a way as to prevent mechanical failure.
- Individuals who operate or work on the refrigerant circuit must have the appropriate certification issued by an accredited organization that ensures competence in handling refrigerants according to a specific evaluation recognized by associations in the industry.
- Repairs must be performed based on the recommendation from the manufacturing company. Maintenance and repairs that require the assistance of other qualified personnel must be performed under the supervision of an individual specified in the use of flammable refrigerants.

General Safety Instruction

1. The appliance is for indoor use only.
2. Do not use the unit on a socket under repairs or not installed properly
3. Do not use the unit, follow these precautions:
 - A: Near to source of fire.
 - B: An area where oil is likely to splash.
 - C: An area exposed to direct sunlight.
 - D: An area where water is likely to splash.
 - E: Near a bath, a laundry, a shower or a swimming pool.
4. Never insert your fingers, rods into the air outlet. Take special care to warn children of these dangers.
5. Keep the unit upward while transport and storage, for the compressor locates properly.
6. Before cleaning the air-conditioner, always turn off or disconnect the power supply.

7. When moving the air-conditioner, always turn off and disconnect the power supply, and move it slowly.
8. To avoid the possibility of fire disaster, the air-conditioner shall not be covered.
9. All the air-conditioner sockets must comply with the local electric safety requirements. If necessary, please check it for the requirements.
10. Children should be supervised to ensure that they do not play with the appliance.
11. 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.
12. This appliance can be used by children aged from 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved. Children shall not play with the appliance. Cleaning and user maintenance shall not be made by children without supervision.
13. The appliance shall be installed in accordance with national wiring regulations.
14. Details of type and rating of fuses: [T, 250V AC, 2A or higher](#).
15. Recycling



This marking indicates that this product should not be disposed with other household wastes throughout the EU. To prevent possible harm to the environment or human health from uncontrolled waste disposal, recycle it responsibly to promote the sustainable reuse of material resources. To return your used device, please use the return and collection systems or contact the retailer where the product was purchased. They can take this product for environmental safe recycling.

16. Contact authorized service technician for repair or maintenance of this unit.
17. Do not pull , deform . or modify the power supply cord , or immerse it in water . Pulling or misuse of the power supply cord can result in damage to the unit and cause electrical shock.
18. Compliance with national gas regulations shall be observed.

19. Keep ventilation openings clear of obstruction.
20. Any person who is involved with working on or breaking into a refrigerant circuit should hold a current valid certificate from an industry-accredited assessment authority, which authorizes their competence to handle refrigerants safely in accordance with an industry recognized assessment specification.
21. 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.
22. Do not operate or stop the unit by inserting or pulling out the power plug, it may cause electric shock or fire due to heat generation .
23. Unplug the unit if strange sounds, smell, or smoke comes from it.



Notes:

- If any parts damage, please contact the dealer or a designated repair shop;
- In case of any damage, please turn off the air switch, disconnect the power supply, and contact the dealer or a designated repair shop;
- In any case, the power cord shall be firmly grounded.
- To avoid the possibility of danger, if power cord is damaged, please turn off the air switch and disconnect the power supply. It must be replaced from the dealer or a designated repair shop.

INSTRUCTIONS FOR REPAIRING APPLIANCES CONTAINING R290

1 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. nonsparking, 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 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 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.

2 REPAIRS TO SEALED COMPONENTS

2.1 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.

2.2 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.

3 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.

4 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.

5 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.

6 LEAK 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 recalibration. (Detection equipment shall be calibrated in a refrigerant-free area.) Ensure that the detector is not a potential source of ignition and is suitable for the refrigerant used. Leak detection equipment shall be set at a percentage of the LFL of the refrigerant and shall be calibrated to the refrigerant employed and the appropriate percentage of gas (25 % maximum) is confirmed. Leak detection fluids are suitable for use with most refrigerants but the use of detergents containing chlorine shall be avoided as the chlorine may react with the refrigerant and corrode the copper pipe-work. If a leak is suspected, all naked flames shall be removed/extinguished. If a leakage of refrigerant is found which requires brazing, all of the refrigerant shall be recovered from the system, or isolated (by means of shut off valves) in a part of the system remote from the leak. Oxygen free nitrogen (OFN) shall then be purged through the system both before and during the brazing process.

7 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 achieved, 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 pipework are to take place. Ensure that the outlet for the vacuum pump is not close to any ignition sources and there is ventilation available.

8 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.

9 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.

10 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.

11 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.

Competence of service personnel

General

Special training additional to usual refrigerating equipment repair procedures is required when equipment with flammable refrigerants is affected.

In many countries, this training is carried out by national training organisations that are accredited to teach the relevant national competency standards that may be set in legislation.

The achieved competence should be documented by a certificate.

Training

The training should include the substance of the following:

Information about the explosion potential of flammable refrigerants to show that flammables may be dangerous when handled without care.

Information about potential ignition sources, especially those that are not obvious, such as lighters, light switches, vacuum cleaners, electric heaters.

Information about the different safety concepts:

Unventilated – (see Clause GG.2) Safety of the appliance does not depend on ventilation of the housing. Switching off the appliance or opening of the housing has no significant effect on the safety. Nevertheless, it is possible that leaking refrigerant may accumulate inside the enclosure and flammable atmosphere will be released when the enclosure is opened.

Ventilated enclosure – (see Clause GG.4) Safety of the appliance depends on ventilation of the housing. Switching off the appliance or opening of the enclosure has a significant effect on the safety. Care should be taken to ensure a sufficient ventilation before.

Ventilated room – (see Clause GG.5) Safety of the appliance depends on the ventilation of the room. Switching off the appliance or opening of the housing has no significant effect on the safety. The ventilation of the room shall not be switched off during repair procedures.

Information about the concept of sealed components and sealed enclosures according to IEC 60079-15:2010.

Information about the correct working procedures:

a) Commissioning

- Ensure that the floor area is sufficient for the refrigerant charge or that the ventilation duct is assembled in a correct manner.
- Connect the pipes and carry out a leak test before charging with refrigerant.
- Check safety equipment before putting into service.

b) Maintenance

- Portable equipment shall be repaired outside or in a workshop specially equipped for servicing units with flammable refrigerants.
- Ensure sufficient ventilation at the repair place.
- Be aware that malfunction of the equipment may be caused by refrigerant loss and a refrigerant leak is possible.
- Discharge capacitors in a way that won't cause any spark. The standard procedure to short circuit the capacitor terminals usually creates sparks.
- Reassemble sealed enclosures accurately. If seals are worn, replace them.

- Check safety equipment before putting into service.

c) Repair

- Portable equipment shall be repaired outside or in a workshop specially equipped for servicing units with flammable refrigerants.
- Ensure sufficient ventilation at the repair place.
- Be aware that malfunction of the equipment may be caused by refrigerant loss and a refrigerant leak is possible.
- Discharge capacitors in a way that won't cause any spark.
- When brazing is required, the following procedures shall be carried out in the right order:
 - Remove the refrigerant. If the recovery is not required by national regulations, drain the refrigerant to the outside. Take care that the drained refrigerant will not cause any danger. In doubt, one person should guard the outlet. Take special care that drained refrigerant will not float back into the building.
 - Evacuate the refrigerant circuit.
 - Purge the refrigerant circuit with nitrogen for 5 min.
 - Evacuate again.
 - Remove parts to be replaced by cutting, not by flame.
 - Purge the braze point with nitrogen during the brazing procedure.
 - Carry out a leak test before charging with refrigerant.
- Reassemble sealed enclosures accurately. If seals are worn, replace them.
- Check safety equipment before putting into service.

d) Decommissioning

- If the safety is affected when the equipment is putted out of service, the refrigerant charge shall be removed before decommissioning.
- Ensure sufficient ventilation at the equipment location.
- Be aware that malfunction of the equipment may be caused by refrigerant loss and a refrigerant leak is possible.
- Discharge capacitors in a way that won't cause any spark.
- Remove the refrigerant. If the recovery is not required by national regulations, drain the refrigerant to the outside. Take care that the drained refrigerant will not cause any danger. In doubt, one person should guard the outlet. Take special care that drained refrigerant will not float back into the building.
- Evacuate the refrigerant circuit.
- Purge the refrigerant circuit with nitrogen for 5 min.
- Evacuate again.
- Fill with nitrogen up to atmospheric pressure.
- Put a label on the equipment that the refrigerant is removed.

e) Disposal

- Ensure sufficient ventilation at the working place.
- Remove the refrigerant. If the recovery is not required by national regulations, drain the refrigerant to the outside. Take care that the drained refrigerant will not cause any danger. In doubt, one person should guard the outlet. Take special care that drained refrigerant will not float back into the building.
- Evacuate the refrigerant circuit.
- Purge the refrigerant circuit with nitrogen for 5 min.

- Evacuate again.
- Cut out the compressor and drain the oil.

Transportation, marking and storage for units that employ flammable refrigerants

Transport of equipment containing flammable refrigerants

Attention is drawn to the fact that additional transportation regulations may exist with respect to equipment containing flammable gas. The maximum number of pieces of equipment or the configuration of the equipment, permitted to be transported together will be determined by the applicable transport regulations.

Marking of equipment using signs

Signs for similar appliances used in a work area generally are addressed by local regulations and give the minimum requirements for the provision of safety and/or health signs for a work location.

All required signs are to be maintained and employers should ensure that employees receive suitable and sufficient instruction and training on the meaning of appropriate safety signs and the actions that need to be taken in connection with these signs.

The effectiveness of signs should not be diminished by too many signs being placed together. Any pictograms used should be as simple as possible and contain only essential details.

Disposal of equipment using flammable refrigerants

See national regulations.

Storage of equipment/appliances

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

Storage of packed (unsold) equipment

Storage package protection should be constructed such that mechanical damage to the equipment inside the package will not cause a leak of the refrigerant charge.

The maximum number of pieces of equipment permitted to be stored together will be determined by local regulations.

Note

This mobile air conditioner is a relatively small household appliance that regulates the relative size of the indoor temperature and humidity. Its mobility features allow it to be used on multiple occasions. At the same time, it has refrigeration, heating, dehumidification, air supply many functions. It can be used in bedrooms, offices and other places. Compared with other refrigeration equipment, this machine has the advantages of compact structure, economical performance and low noise.

CAUTION

Before you use the machine, please read the instructions carefully so that you can maximize the use of all the features of the machine. This instruction is for guidance only and is not part of

the contract, we reserve the right to make technical changes and we will not notify you before the amendment.

Notice before use

1. " PLEASE MAKE SURE THE PRODUCT VENTILATES ALL THE TIME "! Please make sure the inlet and outlet ventilation is not blocked at all times.
2. Operate this unit on a horizontal surface to avoid water leakage.
3. Do not operate this unit in an explosive or corrosive atmosphere.
4. Machine working environment temperature: cooling at 17°C-35°C, heating at 15°C-25°C
5. When the unit is shut off, please wait at least 3 minutes before restarting this is to prevent the compressor from being damaged.
6. Use separate power supply, prohibit the sharing of a socket with other electrical appliances, Power outlet specifications should not be less than 10A, sockets must be firmly safe.
7. The machine has refrigeration, heating, and dehumidification function.
8. Power: [220-240V/50hz](#).

ATTENTION

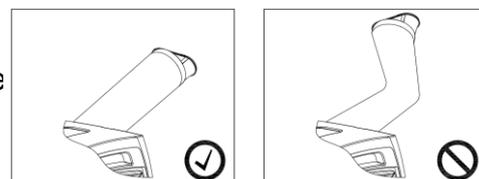
For effective heating and cooling functions, please ensure that the following steps are undertaken:

- 1) Extend the exhaust hose to a length of not more than 400mm. The exhaust hose must be kept parallel and must not be bent up or down;
- 2) A distance of 500mm minimum must be kept between the filter side of the unit and wall or any other obstacles".

UNPACKING INSTRUCTIONS

Place the unit in the correct upright position before unpacking.

1. Ensure the machine is properly positioned vertically before unpacking;
2. Cut the two packing straps.
3. Slide the carton in an upwards motion and it will release from the base.



- 4、 Grip the carry handles located on either sides of the unit and carefully lift until it slides out of the foam base.
- 5、 Install the exhaust hose on the unit before operating the unit.

2. Name of Parts

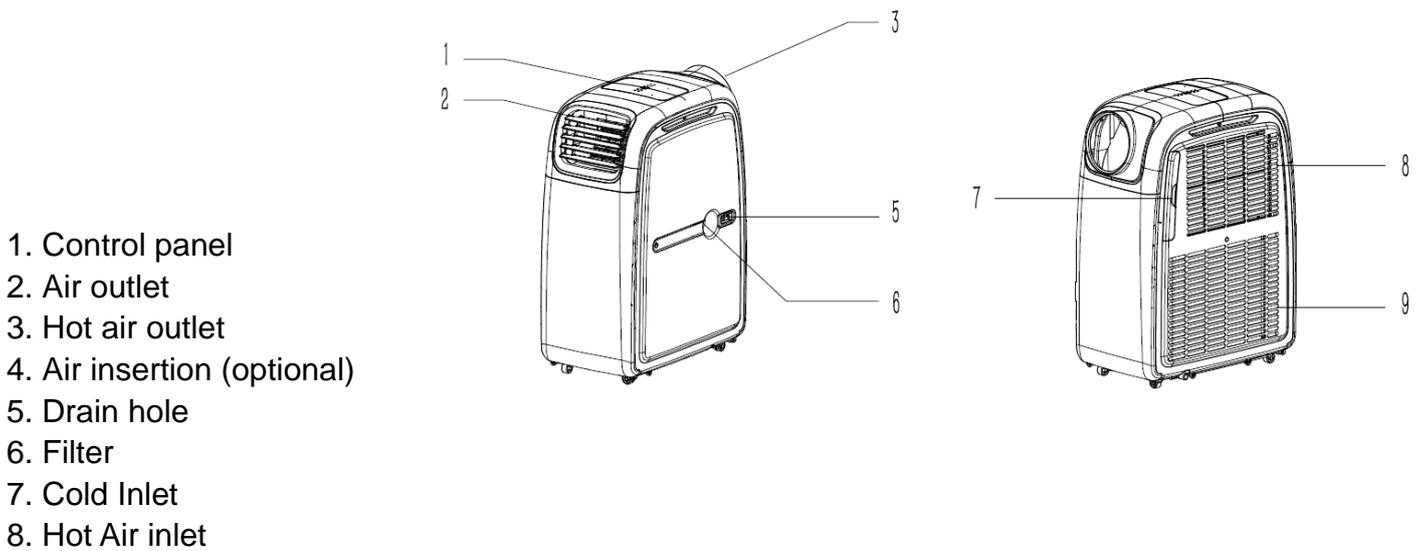


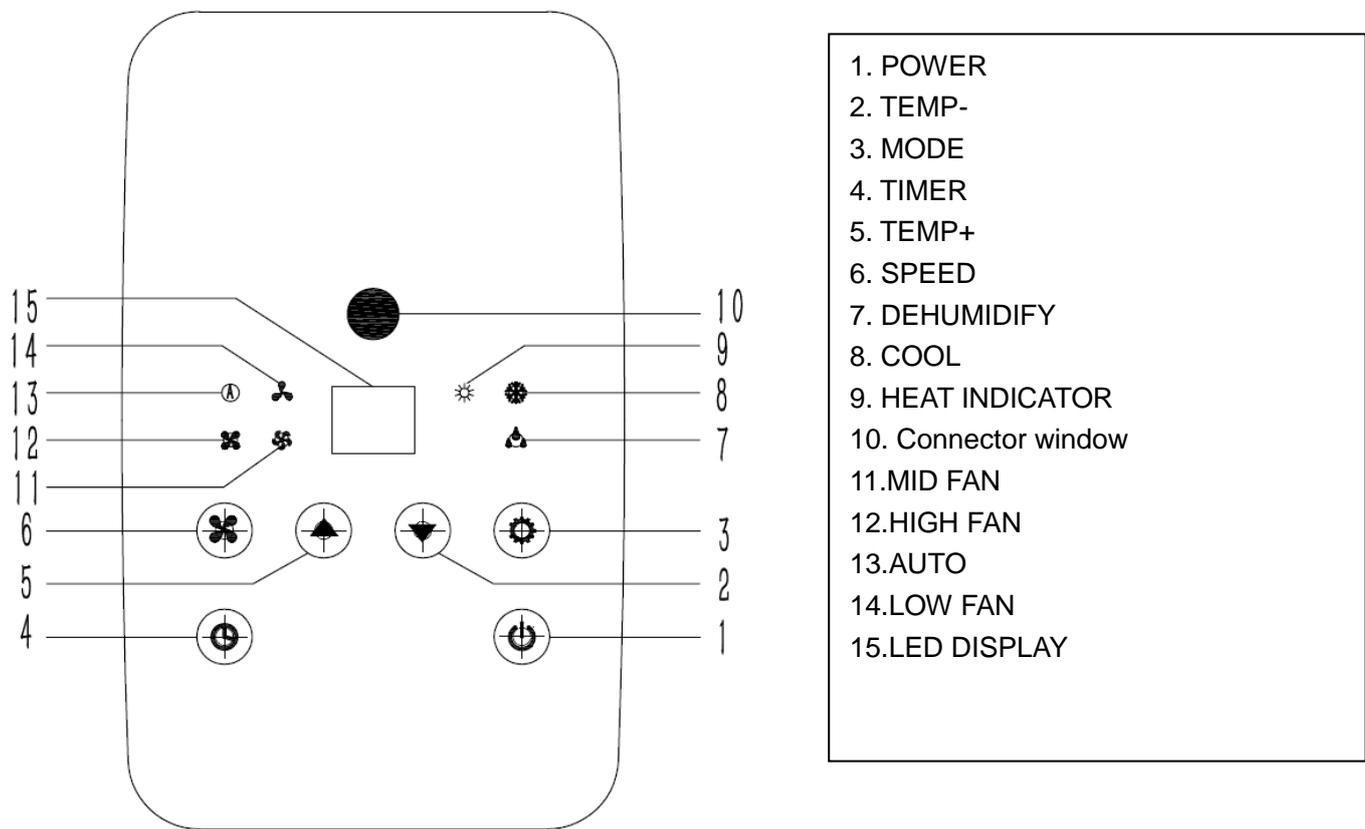
Fig.1

3. Accessories

Part Description	Quantity
Main Air conditioner Unit	1
Hot air exhaust hose	1
Hose Connector (Window end)	1
Hose Connector (Air conditioner end)	1
Remote Controller	1

After unpacking, please check whether the above-mentioned accessories are included, and check their purposes in the installation introduction in this manual.

4. Control Panel & Description of Function



1. POWER KEY

Press to turn unit "ON" or "OFF".

2. TEMP- (DOWN)

In the cooling function, each press the temperature key, set the temperature to reduce 1 °C.

In the heating function, each press the temperature key, set the temperature to reduce 1 °C.

3. SPEED

Press to select either LOW, MEDIUM, HIGH or Auto fan speed. In Auto mode, when the room temperature is higher than the set temperature by 3 °C above, the machine will work with the largest cooling capacity; When the room temperature is below the set temperature by 3 °C, the machine will be the most uniform ability to run; When the indoor temperature is equal to the setting temperature,

the machine moves in the lowest refrigeration mode; If "High" is selected, the machine works at the maximum refrigeration capacity, regardless of the setting temperature, Medium or Low.

Note: In the dehumidify mode, wind speed is not adjustable, wind speed will be locked in the low wind operation

4. TEMP+ (UP)

In the cooling function, each time press **TEMP+ (UP)** to set the temperature decreased by 1 °C

In the heating function, each time press **TEMP+ (UP)** to set the temperature decreased by 1 °C

5. PROGRAMMABLE TIMER

Programmable timer ON/OFF.

TIMER-ON: The timer-on is used to turn on the unit automatically after the set time is over.

1. Press the "TIMER" key at stand-by status with the corresponding flashing, then set the time you desire by pressing "TIMER" key. And then by adjusting the **TEMP- (DOWN) and TEMP+ (UP)** (a step of 1H) to set the timer with an interval range of 1-24 hours. Finally click this key, and the timer starts. Meanwhile the timing value keeps lighting and displaying the remaining time.

2. Once the set hour has come to an end, the unit will turn on automatically.

3. To cancel the timer, you can click this button again.

4. Press the "POWER" key before timeout, the setting time will be canceled and the unit will turn on.

TIMER-OFF: The timer-off is used to turn off the unit automatically after the setting time is over.

1. Press the "TIMER" key at operating status, Click the timing key, with the corresponding timing value flashing, then set the time you desire by pressing "TIMER" key. And then by adjusting the **TEMP- (DOWN) and TEMP+ (UP)** (a step of 1H) to set the timer with an interval range of 1-24 hours. Finally click this key, and the timer starts. Meanwhile the timing value keeps lighting and displaying the remaining time.

2. Once the set hour has come to an end, the unit will turn off automatically.

3. To cancel the timer, you can click this button again.

4. Press the "POWER" key before timeout, the setting time will be canceled, and the machine will be shut down to stop running.

6. MODE

Press the mode key for mode conversion by select "cooling, dehumidify or heating".

Cooling Operation

1. Press the MODE key for the cooling indicate on. When the refrigeration function is carried out, the

exhaust hose should be placed outside the window so that the hot air can be discharged outdoors.

2. Press TEMP(+) or TEMP (-) to adjust the setting temperature, 17-30 °C

3. You can choose one of the high, middle or low wind speeds by pressing the wind speed key.

CAUTION:

To improve the refrigeration capacity of the machine, please note the following:

a) If the room is direct sunlight, please draw the curtains.

b) Don't put the machine in a place where there is heat.

Heating Operation

1. Press the mode key continuously until the heat-making lamp is lit.

2. Press "+" or "-" button to choose the temperature you want, the temperature range is 15°C-25°C

3. Press the WIND key to select the appropriate speed position.

Dehumidify Operation

1. When using the machine, close the doors and windows to avoid excess water entering the room.

2. Press the MODE key. When the dehumidification indicator is on, dehumidification function is chosen. In this mode, the wind speed is not adjustable.

3. In the selection of dehumidification mode, the exhaust hose is not required.

Water Full Alarm

When the tank is full, the water indicator is illuminated. After a few minutes the "E4" code will be displayed on the display and the compressor will automatically stop running. At this point, you can remove the plug from the drain, drain water through the drainage pipe. "The E4 "code will automatically disappear and the machine resumes normal operation.

L.E.D. DISPLAY

The display screen displays the temperature currently set or timing time.

※ The display screen also displays the machine's fault code.

Note: The optional function is available for consumers to select. The manual shows full functionality.

Drainage Mode

Automatic evaporation and drainage of condensed water

The machine can automatically evaporate condensing water and drain out of the exhaust hose. In the refrigeration mode, the machine does not need to connect the drain to drain water, please ensure that the plug of the machine has been installed.

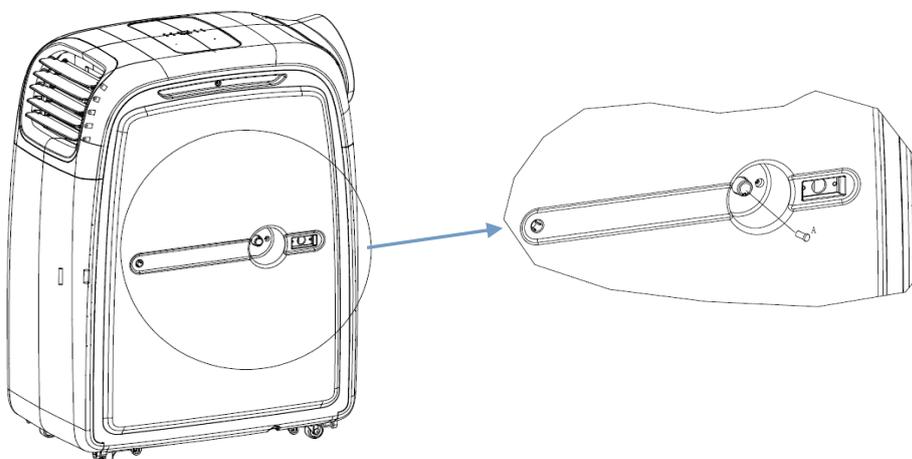
In the dehumidification or heat-making mode, the plug "A" in the drain hole should be removed.

Drainage

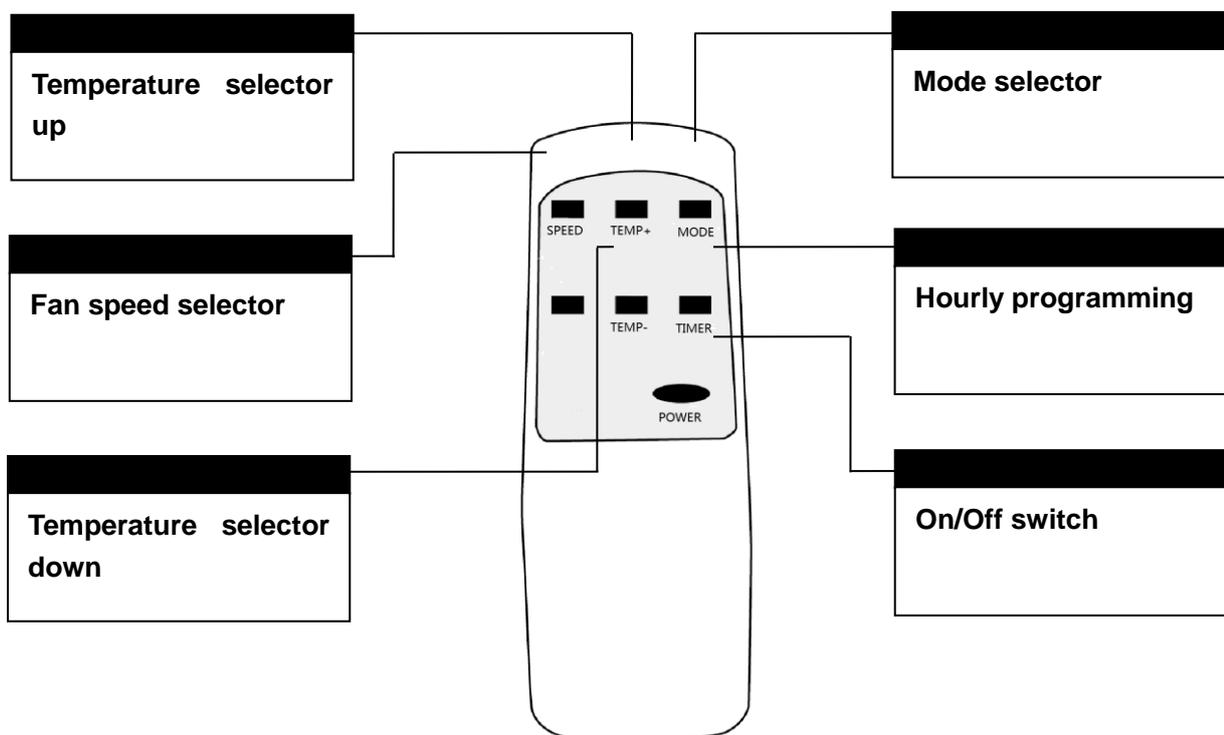
The drain plug "a" in the drainage hole should be removed and an appropriate drainage pipe is installed for continuous drainage.

※Water Full Alarm

When the tank is full, the water full indicator is illuminated. After a few minutes the "E4" code will be displayed on the display and the compressor will automatically stop running. At this point, you can remove the plug from the drain, drain water through the drainage pipe. "The E4 "code will automatically disappear and the machine resumes normal operation.



5. Appearance and Function of Remote Control



Notes:

- Do not drop the remote control.
- Do not place the remote control in a location exposed to direct sunlight.

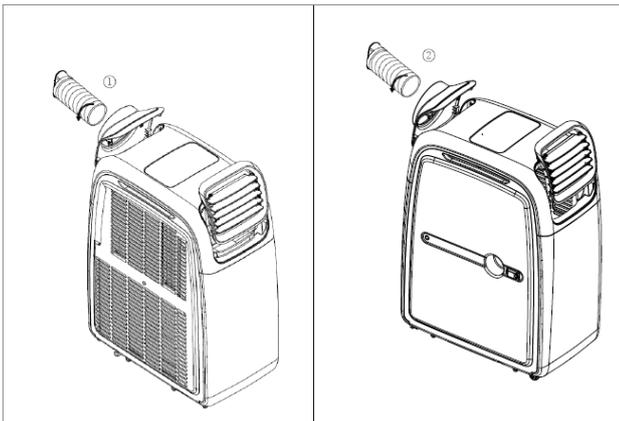
6. Installation Explanations

About Power

- (1) Confirm correct use of power: **220-240V/50hz.**
- (2) Separate use of power supply, prohibit the sharing of a socket with other electrical appliances, The power socket specifications should be no less than 10A, and the sockets must be firm and secure.
- (3) You may not use the force to pull the power cord to damage the power cord.

Installation of Exhaust Hose

1. The exhaust hose can be removed from the machine by rotating it in the arrow direction as illustrated by ① diagram. (for cooling)
2. The exhaust hose can be removed from the machine by rotating it in the arrow direction as illustrated by ② diagram. (for heating)



7. Maintenance Explanations

After Sales for Repaired Machines

Maintenance Method

Unplug the plug before cleaning.

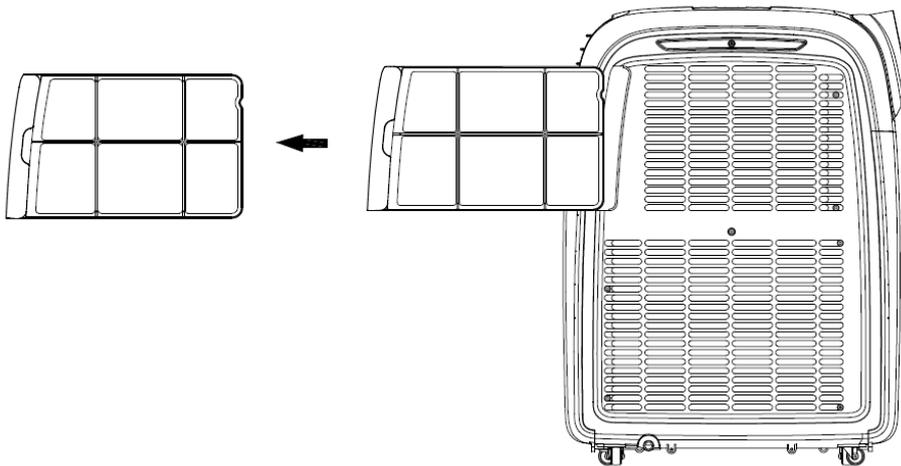
Make sure the machine is not energized and avoid accidents before maintenance.

Do not use benzene, alcohol and other chemical solvents to clean the surface of the machine. If this is done, the surface of the machine will be scratched, damaged or deformed.

Air Filter

If there is a large amount of dust on the net, the air volume will be reduced. So clean the filter every two weeks.

1. Open Strainer Overlay, take out filter net.



2. Soak the strainer in warm water about 40 degrees Celsius and put some neutral detergent in it. Then rinse off the lotion and keep it dry in a cool place.

3. Installation: Press the reverse step of the disassembly to install the filter screen box back.

How to Store

Preservation of the Quarter

1. Unplug the plug, and the machine runs for half a day until the water is blown dry.
2. Shut down and unplug the power.
3. Wipe the surface of the machine with a damp cloth and dry it with a dry cloth.
4. Use the cord to roll up the power cord.
5. Cover the machine in a dry place with a plastic bag.

8. Troubleshooting

Before repairs and after-sale, please look at the following description:

Fault	Check	Measures
The machine doesn't boot.	Does the power supply have electricity? Did you plug it in? Has the fuse been burnt or shorted? Is timing appropriate?	Make sure the power supply is normal Plug in Change the fuse. Reset Time
Cooling effect is not good	Is it blocked in air inlet or outlet? Rooms have other heating equipment The strainer is dirty. Is timing appropriate? Is the wind speed low?	Clean it up. Remove the heating device Cleaning Filter Net Reset Time Set the appropriate wind speed
Loud noises and vibrations.	Is it internal refrigerant flow? is the machine horizontally positioned?	This is normal. Put the machine on the level floor
Machine restarts frequently	Is the voltage normal? Is the exhaust hose curved? Did you add the exhaust hose?	Determine if voltage is maintained at rated voltage Straighten the exhaust hose. No need to add long exhaust hose.

Note

If you find the following relatively large faults, unplug the power immediately and call the customer service.

--fuses and switches are often broken.

--the surface of the power cord is unusually hot or the surface of the power cord is off.

--Abnormal conditions

Self-Diagnosis Function

Our company provides the terminal customer with some light prompts for self-diagnosis.

DISPLAY	AUTOMATIC DIAGNOSTICS	TROUBLE SHOOTING
E1	Electrical short on both temperature sensor and PCB.	Contact an electrician for repair
E2	Electrical short of temperature sensor copper tube and PCB wiring.	Contact an electrician for repair
E4	Indicates water tank full or possibly the incorrect wiring of plug	User needs to pull out the rubber stopper which is located at the bottom of the unit , to drain the water away. Check that the plug has been wired correctly.

Note: The real products may look different.

