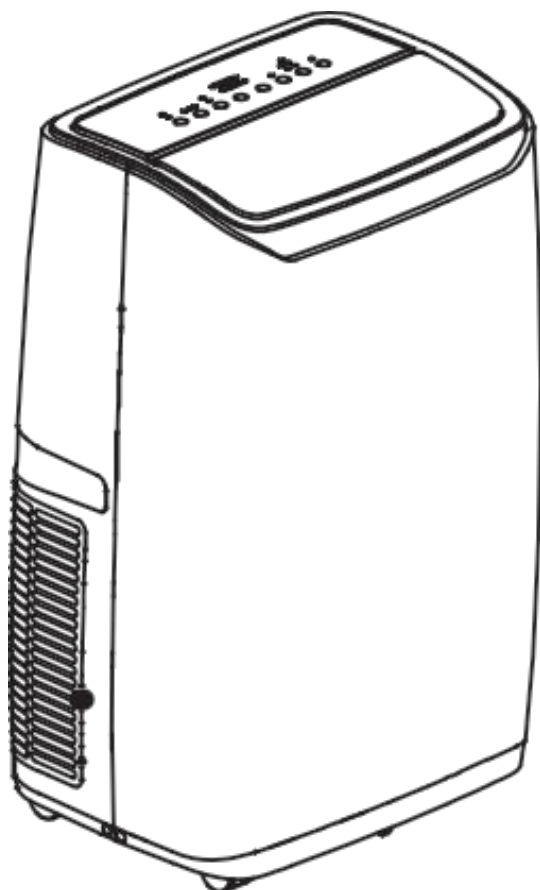


# Bonaire Portable Air Conditioner Operation & Installation Manual



REFRIGERANT  
**R290**

PRC7000026 Optima Portable Room Air Conditioner 2.6KW

PRC7000035 Optima Portable Room Air Conditioner 3.5KW

PRC7000041 Optima Portable Room Air Conditioner 4.1KW

 **BONAIRE**<sup>®</sup>  
The leaders in heating and cooling


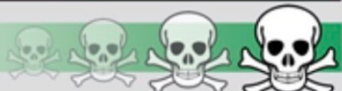
For continued safety of this appliance, it must be installed and maintained in accordance with the manufacturer's instructions.

Before proceeding with the operation of your new Bonaire Portable Room Air Conditioner, please read this manual thoroughly and gain full understanding of the requirements, features and operation of your new appliance.

R290 Refrigerant is Highly Flammable refrigerant



**REFRIGERANT  
R290**

	<b>HIGHER FLAMMABILITY</b>	<b>A3</b> R-50, R-170, R-290, R-600a, R-441a, R-1270	<b>B3</b> R-1140
	<b>LOWER FLAMMABILITY</b>	<b>A2</b> R-142b, R-152a	<b>B2</b> R-30, R-40, R-611, R-717
		<b>A2L</b> HFO-1234yf, HFO-1234ze	
<b>NO FLAME PROPAGATION</b>	<b>A1</b> R-11-R-14, R-22, R-113, R-114, R-115, R-134a, R-410A, R-449B, R-1234zd	<b>B1</b> R-10, R-21, R-123, R-764	
		<b>LOWER TOXICITY</b>	<b>HIGHER TOXICITY</b>
			

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# SAFETY & IMPORTANT INFORMATION



## READ ALL INSTRUCTIONS BEFORE USING THE APPLIANCE.

Always comply with the following precautions to avoid dangerous situations and to ensure optimum performance.

Failure to carefully read and follow all instructions in this manual can result in equipment malfunction, property damage, personal injury and/or death.

**DANGER:** Indicates an imminently hazardous situation which, if not avoided, will result in personal injury or death.

**WARNINGS:** Indicates a potentially hazardous situation which, if not avoided, could result in personal injury or death.

**CAUTIONS:** Indicates a potentially hazardous situation which, if not avoided, could result in minor or moderate injury or damage to the appliance. It may also be used to alert against



The appliance is fitted with an Australian flexible cord and plug intended for connection to an Australian 10 Amp socket outlet. It is not suitable for connection in other countries or alternative power supplies. Ensure that the voltage and frequency of the power supply correspond to the ratings on the data plate of the appliance.

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.

Young children should be supervised to ensure they do not play with the appliance.

**DO NOT** allow children or persons with reduced physical, sensory or mental capabilities to sleep directly in front of this appliance.

**DO NOT** allow children to 'post articles' into the louvres of the appliance.

**DO NOT** use power boards or double adaptors with this appliance.

**DO NOT** coil or bundle the electric cord to reduce its length as overheating of the cord may occur which could result in a fire hazard.

The flexible cord and plug must not be modified. If the cord or plug are damaged, they must be replaced by Bonaire, or a Bonaire appointed service agent.

**DO NOT** cover or place articles on or against any parts of this appliance, to avoid overheating.

**DO NOT** sit on this appliance

**DO NOT** use this appliance in the immediate surroundings of a bath, a shower or a swimming pool.

**DO NOT** move this appliance whilst it is turned on.

**DO NOT** unplug the appliance by pulling on the flexible cord.

**DO NOT** handle any parts of this appliance, including the plug and flexible cord, with wet or damp hands.

**DO NOT** immerse the appliance, flexible cord and plug in water or any other liquid.

**DO NOT** place containers of any liquid or wax on top of this appliance.

Turn off the appliance and unplug from the power socket outlet when not in use.

**DO NOT** use in areas where flammable liquids are stored. This appliance is suitable for indoor use only. Never dismantle the appliance. Tampering with electrical connections and components is highly dangerous and may cause appliance malfunction, property damage, personal injury and/or death.

# SAFETY & IMPORTANT INFORMATION



Warning

## WARNING INFORMATION REGARDING APPLIANCES WITH R290 REFRIGERANT GAS

Thoroughly read all the warnings.

This appliance contains up to 260gm of R290 refrigerant gas.

This appliance uses R290 refrigerant, which is class 3 flammability and must be handled by a refrigeration mechanic with appropriate Australian full refrigerant handling license.

The appliance must be installed, used and stored in a ventilated area with the below specified area

PRC7000026 Optima Portable Room Air Conditioner 2.6KW must be stored in an area more than 7.7 m<sup>2</sup>  
PRC7000035 Optima Portable Room Air Conditioner 3.5KW must be stored in an area more than 9.6 m<sup>2</sup>  
PRC7000041 Optima Portable Room Air Conditioner 4.1KW must be stored in an area more than 13 m<sup>2</sup>

When cleaning the appliance, do not use any tools other than those recommended by the manufacturing company

**DO NOT** use means to accelerate the defrosting process or to clean, other than those recommended by the manufacturer. The appliance must be placed in an area without any continuous sources of ignition (for example: open flames, gas or electrical appliances in operation).

**DO NOT** puncture and **DO NOT** burn, Refrigerant gases can be odorless.

If the appliance is installed, operated or stored in a non-ventilated area, the room must be designed to prevent 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.

Compliance with national gas regulations shall be observed. Keep ventilation openings clear of obstruction. A warning that the appliance shall be stored in a well-ventilated area where the room size corresponds to the room area as specified for operation.

Any person who is involved with working on or breaking into a refrigerant circuit should hold a current valid certificate from an industry-accredited assessment authority, which authorizes their competence to handle refrigerants safely in accordance with an industry recognized assessment specification.

Servicing shall only be performed as recommended by the equipment manufacturer. Maintenance and repair requiring the assistance of other skilled personnel shall be carried out under the supervision of the person competent in the use of flammable refrigerants.

The appliance **MUST BE** stored in such a way as to prevent mechanical failure.

Repairs must be performed based on the recommendations 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.

## MANDATORY INSPECTION PRIOR TO INSTALLATION

Immediately report any damage or discrepancies to the Supplier of the appliance. This appliance was inspected and tested at the time of manufacture and packaging and released for transportation without known damage. Upon receipt, inspect the exterior for evidence of rough handling in shipment. Ensure that the appliance is labelled correctly for the gas and electrical supply, and/or other services it is intended to be connected for safety and warranty purposes, appliances that may be damaged or incorrect **MUST NOT** be installed or operated under any circumstances. Installation of damaged or incorrect appliances may contravene local government regulations. Bonaire disclaims any liability or responsibility whatsoever in relation to the installation or operation of damaged or incorrect appliances.

# SAFETY & IMPORTANT INFORMATION



## EXPLANATION OF SYMBOLS DISPLAYED ON THE UNIT



**WARNING** Risk of fire / flammable material. If the refrigerant is leaked, together with an external ignition source, there is a possibility of ignition.



Read the OPERATING INSTRUCTIONS carefully before operation.



Service personnel are required to carefully read the OPERATING INSTRUCTIONS and INSTALLATION MANUAL before operation.

### 1. Transport of equipment containing flammable refrigerants

See transport regulations.

### 2. Marking of equipment using signs

See local regulations.

### 3. Disposal of equipment using flammable refrigerants

See national regulations.

### 4. Storage of equipment/appliances

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

### 5. Storage of packed (unsold) equipment

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

#### • 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.

### 6. Information on servicing

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

#### 2) Work procedure

Work shall be undertaken under a controlled procedure to minimize the risk of a flammable gas or vapor being present while the work is being performed.

#### 3) General work area

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

#### 4) Checking for presence of refrigerant

The area shall be checked with an appropriate 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.

#### 5) Presence of fire extinguisher

If any hot work is to be conducted on the refrigeration equipment or any associated parts, appropriate fire extinguishing equipment shall be available to hand. Have a dry powder or CO<sub>2</sub> fire extinguisher adjacent to the charging area

# SAFETY & IMPORTANT INFORMATION

## 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.

## 7) Ventilated area

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

## 8) Checks to the refrigeration equipment

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

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

The ventilation machinery and 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.

## 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 are no live electrical components and wiring are exposed while charging, recovering or purging the system;  
That there is continuity of earth bonding.

## 7). Repairs to sealed components

1) During repairs to sealed components, all electrical supplies shall be disconnected from the equipment being worked upon prior to any removal of sealed covers, etc. If it is 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.



# SAFETY & IMPORTANT INFORMATION

## 8. Repair to intrinsically safe components

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

## 9. Cabling

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

## 10. Detection of flammable refrigerants

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

## 11. 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 re-calibration. (Detection equipment shall be calibrated in a refrigerant-free area.) Ensure that the detector is not a potential source of ignition and is suitable for the refrigerant used. Leak detection equipment shall be set at a percentage of the LFL of the refrigerant and shall be calibrated to the refrigerant employed and the appropriate percentage of gas (25 % maximum) is confirmed. Leak detection fluids are suitable for use with most refrigerants but the use of detergents containing chlorine shall be avoided as the chlorine may react with the refrigerant and corrode the copper pipework. 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 refrigerants shall be recovered from the system, or isolated (by means of shut off valves) in a part of the system remote from the leak. Oxygen free nitrogen (OFN) shall then be purged through the system both before and during the brazing process.

## 12. Removal and evacuation

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

Remove refrigerant; Purge the circuit with inert gas; Evacuate; Purge again with inert gas; Open the circuit by cutting or brazing.

The refrigerant charge shall be recovered into the correct recovery cylinders. The system shall be flushed with OFN to render the unit safe. This process may need to be repeated several times. Compressed air or oxygen shall not be used for this task. Flushing shall be achieved by breaking the vacuum in the system with OFN and continuing to fill until the working pressure is 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.

## 13. Charging procedures

In addition to conventional charging procedures, the following requirements shall be followed. Ensure that contamination of different refrigerants does not occur when using charging equipment. Hoses or lines shall be as short as possible to minimize 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.



# SAFETY & IMPORTANT INFORMATION

## 14. Decommissioning

Before carrying out this procedure, it is essential that the technician is completely familiar with the equipment and all its detail. It is recommended good practice that all refrigerants are recovered safely.

Prior to the task being carried out, an oil and refrigerant sample shall be taken in case analysis is required prior to re-use of reclaimed refrigerant. It is essential that electrical power is available before the task is commenced.

a) Become familiar with the equipment and its operation.

b) Isolate system electrically.

c) Before attempting the procedure ensure that: Mechanical handling equipment is available, if required, for handling refrigerant cylinders; All personal protective equipment is available and being used correctly.

The recovery process is always supervised 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.

## 15. Labelling

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

## 16. Recovery

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

# SPECIFICATION

## INTRODUCTION

This portable air conditioner can alter the room temperature and humidity. It has multiple functions of cooling dehumidifying (drying) and fan ventilation and can be moved from room to room and transported from building to building easily.

The air conditioner can maintain set room indoor air temperatures between 15°C and 32°C. The set room temperature is displayed on the remote control and in the control panel on the unit. This does not mean that the air conditioner will necessarily reduce the actual room temperature to the set room temperature.

- Do not place the air conditioner or plastic window slider in direct sunlight. Close all curtains in the room being cooled
- For maximum cooling (COOLING MODE), set the temperature at 15°C and the fan at HIGH. After approximately 3 minutes, the compressor will turn on and cooled air will come out of the front air outlet. Warm air will also come out of the rear outlet and into the exhaust hose.
- In COOLING MODE, the air conditioner will not cool unless the set temperature is below the existing room temperature
- In COOLING MODE once the existing room temperature reaches the set temperature, the fan continues operating and the compressor switches on and off to maintain the set temperature within the room.
- For maximum cooling output keep the exhaust hose as short and as straight as possible. Minimize bends which can reduce the maximum cooling capacity of the air conditioner. Elevate the air conditioner if necessary.
- Make sure the air intake and outlet grills are unobstructed.
- Clean the filters at least once every two weeks.

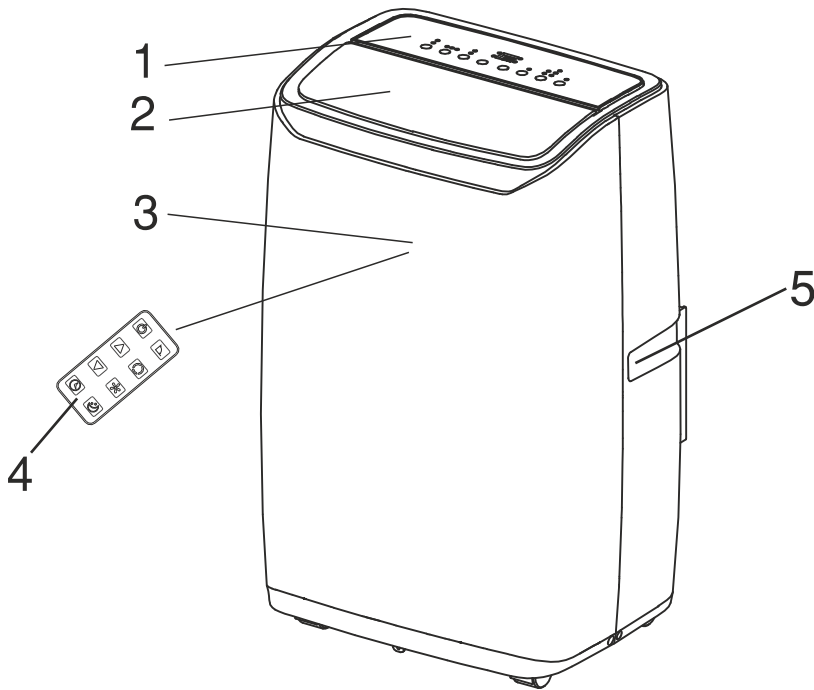
## SPECIFICATIONS

MODEL		PRC7000026	PRC7000035	PRC7000041
Power Supply	V/Hz	220-240~ / 50		
Maximum Input Power	W	950	1300	1500
Dimensions - Net (H x W x D)	mm	710 x 440 x 335	710 x 440 x 335	710 x 440 x 335
Dimensions - Packing (H x W x D)		880 x 470 x 380	880 x 470 x 380	880 x 470 x 380
Net Weight	kg	27	29	30.5
Nominal Cooling Capacity	kW	2.6	3.5	4.1
Rated Input Current	A	4.3	6.0	6.9
Rated Energy Efficiency Ratio (EER)		2.6	2.6	2.6
Refrigerant	Type	R290		
Refrigerant Volume	g	160	200	260
Sound Power Level	dB(A)	65	65	65

# AIR CONDITIONER BASICS

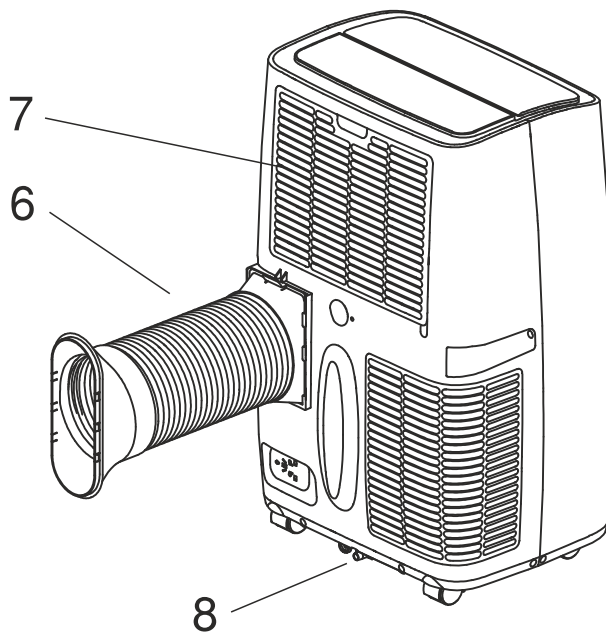
## Identification of parts

### • Front



- 1 Control panel
- 2 Cold air outlet
- 3 Signal receptor
- 4 Remote controller
- 5 Transport handle
- 6 Air outlet hose
- 7 Evaporator air intake
- 8 Primary drain port

### • Back

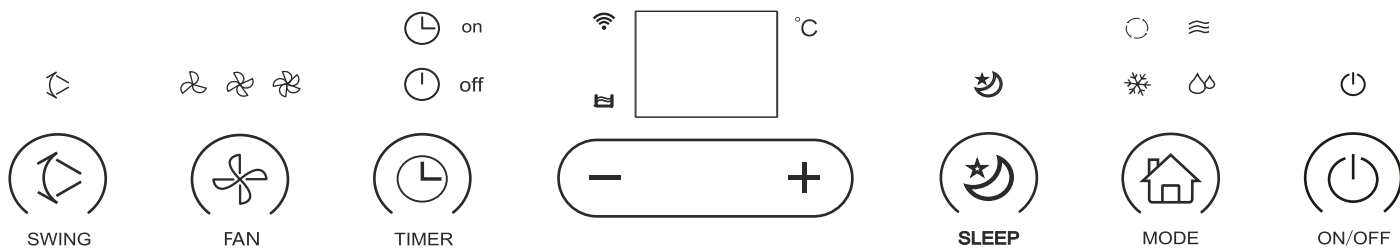


☑ The figures in this manual are based on the external view of a standard model. Consequently, the shape may differ from that of the air conditioner you have selected.

# OPERATION

## Control panel

This section explains proper mobile air conditioner operation.



- On/Off button
- Speed button
- Timer/Temperature up button
- Timer button
- Mode button
- Timer/Temperature down button
- Swing button
- low, middle, high Fan speed
- Automatic, Fan
- Dehumidify and cool mode
- Full water alarm

## Control panel operation

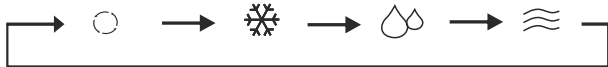
### Automatic, Cool, Dehumidify and Fan Model operation.

#### 1. Turn on the unit

- a) Plug in, then the unit beeps once.
- b) Press the “” button, then the unit is turned on.  
The LED displays the room temperature and operates in Automatic mode.

#### 2. Select operating mode

Press the “” button to select a desired mode shown below:

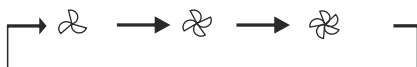


#### 3. Adjust Temperature

The temperature can be set within a range of 15 °C to 31 °C by 1 °C. Press “” or “” button to increase or decrease the temperature 1 °C by pressing once. The unit LED shows the target temperature for 5 seconds and then displays the room temperature.

#### 4. Adjust Fan Speed

Press the “” button to select a desired fan speed shown below:



#### 5. Power

When you press “” button again, the unit will emit “di” and stop working.






#### 6. Swing

Press this button to set swing.

## Notice:

### Each mode working principle

\*  mode :

- 1.Once the  Operation is selected, the indoor temperature sensor operates automatically to select the desired operation mode with  or  .
- 2.When the room temperature  $\geq 24^{\circ}\text{C}$ ,the unit will automatically select  mode .
- 3.When the room temperature  $< 24^{\circ}\text{C}$ ,the unit will automatically select  mode .

\*  mode :

- 1.The up centrifugal fan will run at low speed ,and the speed can't be adjusted.
- 2.The compressor and the down centrifugal fan will stop after running 8 mins, then run again after 6mins.
- 3.The unit adopts constant temperature dehumidifying mode,and the adjustment of temperature is no effective.

\*  mode:

- 1.When the room temperature is higher than set temperature ,the compressor starts to run.
- 2.When the room temperature is lower than set temperature ,the compressor stop and operate at original set speed.





\*  mode:

- 1.The up centrifugal fan runs at set speed , and the compressor does not run .
- 2.The adjustment of temperature is no effective.

●  operation

- 1.Press “Timer” button to set Automatic Off time while the unit is running.
- 2.Press “Timer” button to set Automatic On time while the unit is ready.
- 3.The time can be adjusted within a range of 1 hour to 24 hour. Press the temp up(+ ) or temp down(- ) button to increase or decrease the time 1 hour by pressing once.


●  operation

- 1.The  operation is effective when the unit is under  mode.
- 2.Press the  button in  mode,then the unit will work under sleep mode and the up centrifugal fan will turn to low speed automatically. The set temperature will increase  $1^{\circ}\text{C}$  after one hour, and increase  $2^{\circ}\text{C}$  after two hours. After six hours, the unit will stop running.

●  operation

- 1.When the swing button is activated, the swing blade swings up and down automatically. If you want to stop, press the button again.

## Notice:

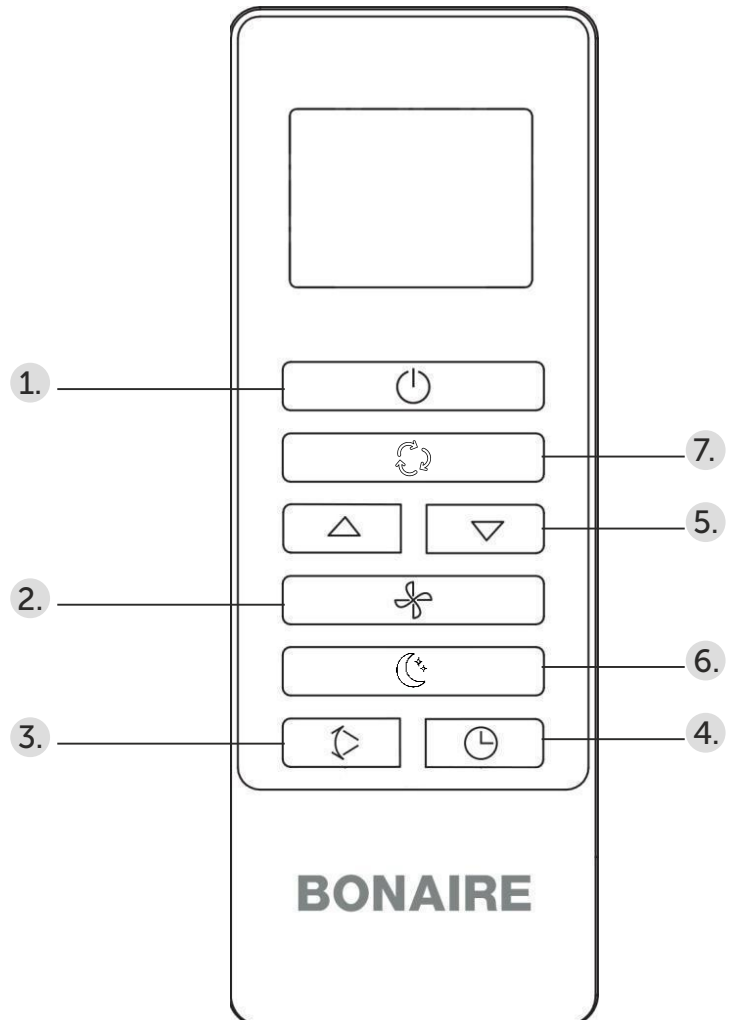
The main control board has memory function, when the unit is ready to run but in stop status, the main control board can memorize the initialization of working mode. When you turn on the unit ,it will work as the same enactment of working-mode as last time,no need to reset the working mode again. (This condition is not available when the unit is under “  ” mode) .

# REMOTE CONTROLLER

## Remote controller

The remote controller transmits signals to the system.

1. ON/OFF Button
2. Fan Only Button
3. Swing Button
4. Timer Button
5. Temperature UP/DOWN Buttons
6. Sleep Button
7. Mode Button.



# REMOTE CONTROLLER

## How to install batteries ?

The installation direction of AAA battery shall be determined according to the positive and negative poles of the battery. At the same time, the battery compartment to be installed also has installation prompts. After the positive and negative poles are confirmed, insert the battery.

Installation steps:

- 1.The one with "+" on the battery is the positive pole, and the other end with "-" is the negative pole
- 2.Then there are the corresponding positive and negative poles of the remote control, the corresponding negative pole with spring, and the corresponding positive pole without spring
- 3.When installing, first press the spring to the bottom with the negative pole section of the battery, and then push the positive pole of the battery into the battery slot
- 4.After installation, it can be used normally.

Special note: the battery belongs to hazardous waste and cannot be discarded randomly.



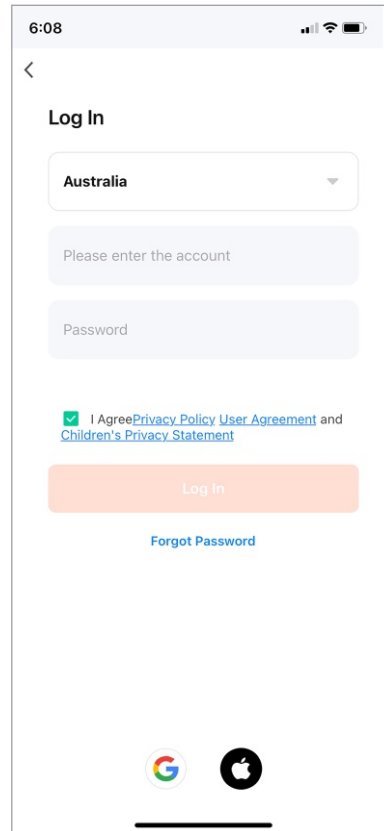
## How to install WiFi



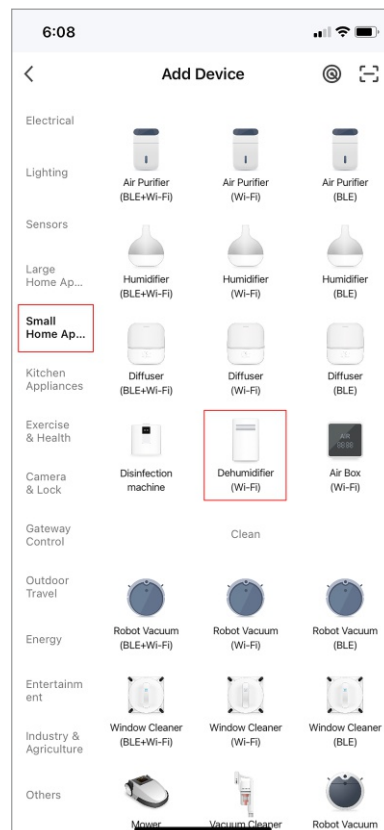
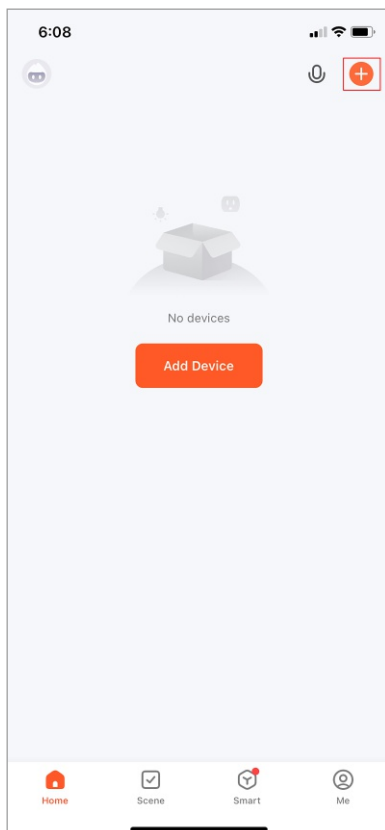
Step 1

1. Download app software Tuya smart life
2. Register App
3. The Product is powered on and enters the standby mode (if it enters the power-on state after power-on, you need to press the standby button to make the device enter the standby mode)
4. In standby mode, press and hold the mode button for 5 seconds, the buzzer will beep once, wait a while for the WIFI light to flash quickly and enter the configuration state, if the WIFI light is not on, press the mode button for 5 seconds until the WIFI light flashes quickly (After the board is powered on, it will automatically enter the pairing mode)
5. After the WIFI light flashes quickly, choose to add device on the APP, select the small appliances in the device bar and then select the dehumidifier inside, and then operate the WIFI pairing according to the prompts. After the pairing is successful, the WIFI light is always on; if pairing is not successful, then repeat the above steps
6. After the configuration is successful, you can use the APP to operate the product
7. If the product changes the network environment, you need to reconfigure;  
(See step three, four, five)
8. For the successfully configured product, click on the upper right corner of the APP and select "share device " to share with the rest of the family  
(prerequisite: all family members need to be registered)

# WIFI USER GUIDE

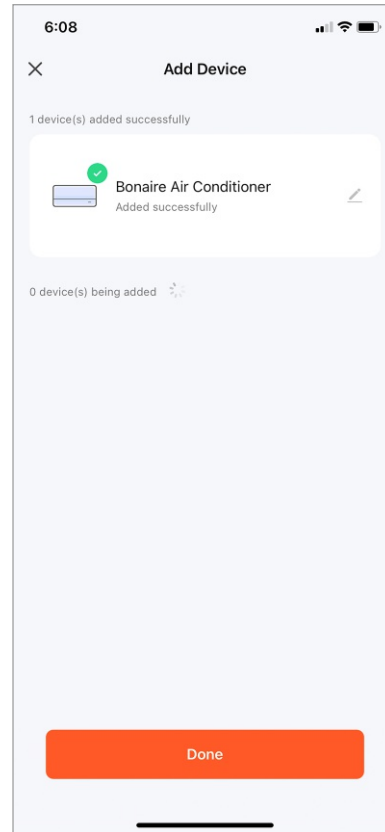
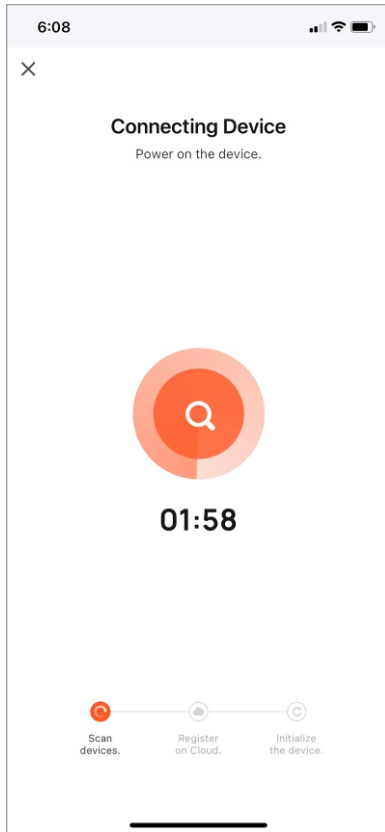


## Step 2

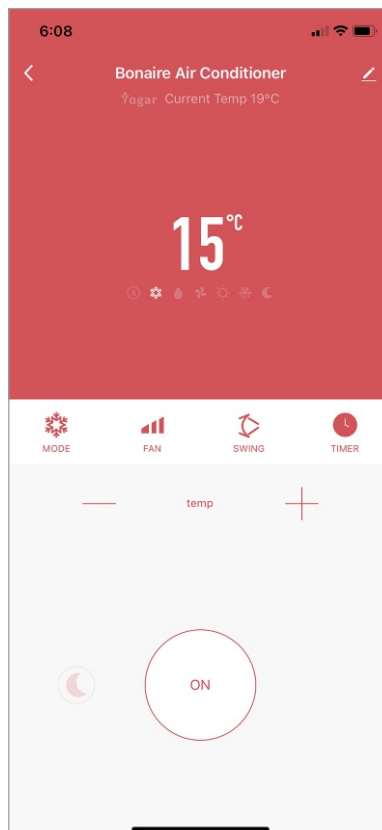


## Step 4

# WIFI USER GUIDE



Step 5 & 6



Step 8

# CARE & MAINTENANCE

## Operating condition

*The protective device may trip and stop the appliance in the cases listed below.*

Cooling	Indoor air temperature is over 43°C
	Room temperature is below 15°C
Dehumidifying	Room temperature is below 15°C

*If the air conditioner runs in COOLING or DRY mode with door or window opened for a long time when relative humidity is above 80%, dew may drip down from the outlet.*

## Features of protector

### ① The protective device will work in the following cases.

- Restarting the unit at once after operation stops or changing mode during operation, you need to wait 3 minutes.

- ② • If the plug is taken out, when you restart the appliance, it will return to the original mode, TIMER ON and TIMER OFF must be set again,

## drain water

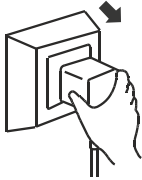
Special reminder: there is condensing water recycling hidden within this unit. The condensing water is partly kept recycling between the condenser and the water plate. When the water level rises to the upper level, the float switch and water full indicator (E4) lights on to remind draining water. Please cut off the power supply, move the appliance to a suitable place, remove the drain plug, drain water completely. after the drain, re-install the plug, or the appliance may leak and make your room wet. If the appliance is placed in a position admitting drain water, you also can connect the drain hose to the drain port to drain water.

# CARE & MAINTENANCE

## Appliance maintenance

### 1 Cut off the power supply

Turn off the appliance first before disconnecting from power supply.



### 2 Wipe with a soft and dry cloth.

Use lukewarm water (below 40°C (104°F)) to clean if the appliance is very dirty.



Use a dry and soft cloth to clean it.

### 3 Never use volatile substance such as gasoline or polishing powder to clean the appliance.



### 4 Never sprinkle water onto the main unit



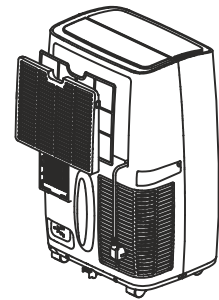
**Dangerous!  
Electric shock!**

## Air filter maintenance

It is necessary to clean the air filter after using it for about 100 hours.

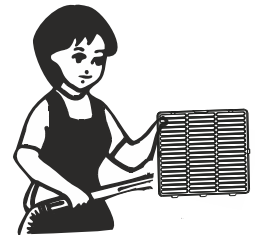
Clean it as follows:

### 1 Stop the appliance and remove the air filter.



### 2 Clean and reinstall the air filter.

If the dirt is conspicuous, wash it with a solution of detergent in lukewarm water. After cleaning, dry it in a shaded and cool place, then reinstall it.



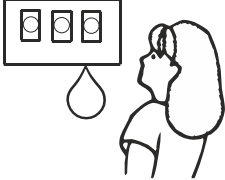
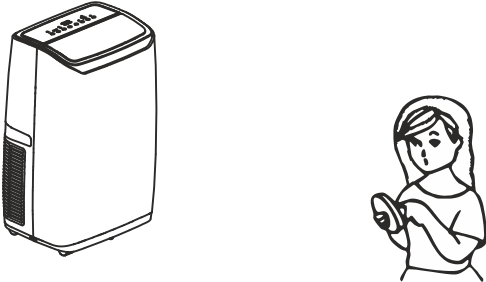
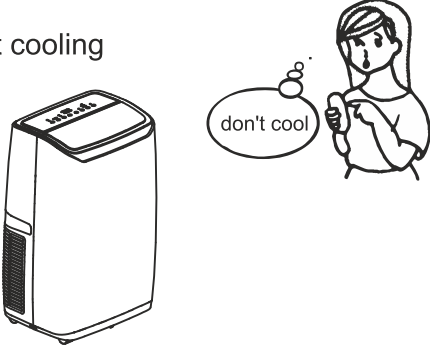
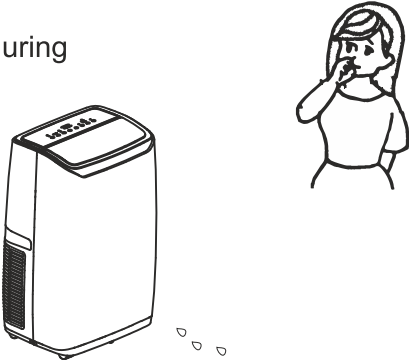

- 3**  Clean the air filter every two weeks if the air conditioner operates in an extremely dusty environment.

## Maintenance after using

1. If the appliance will not be used for a long time, be sure to Pull out the primary and the secondary rubber plug of the drain port , in order to drain the water.
2. Keep the appliance running with fan only for a half day during a sunnyday to dry the appliance inside and prevent from going moldy.
3. Stop the appliance and pull out the power supply plug, then take out the batteries of remote controller and store appliance properly.
4. Clean the air filter and reinstall it.
5. Remove the air hoses and store them properly, and cover the hole tightly.

# CARE & MAINTENANCE

The following cases may not always be a malfunction, please check suggestions below before asking for service.

Trouble	Analysis
<p>Does not run</p> 	<ul style="list-style-type: none"> <li>• If the protector trip or fuse is blown.</li> <li>• Please wait for 3 minutes and start again, protector device may be preventing unit from working.</li> <li>• If batteries in the remote controller are exhausted.</li> <li>• If the plug is not properly plugged in.</li> </ul>
<p>Runs for a short while only</p> 	<ul style="list-style-type: none"> <li>• If the set temperature is close to room temperature, you can lower the set temperature.</li> <li>• Air outlet is blocked by obstacle. Take the obstacle away.</li> </ul>
<p>Runs but not cooling</p> 	<ul style="list-style-type: none"> <li>• If the door or window is open.</li> <li>• If there is another appliance heat-working, like heater or lamp, etc. .</li> <li>• The air filter is dirty, please clean it.</li> <li>• Air outlet or intake is blocked.</li> <li>• Set temperature is too high.</li> </ul>
<p>Water leak during moving</p> 	<ul style="list-style-type: none"> <li>• Drain the condensate before moving.</li> <li>• To avoid water leakage, please locate the unit on flat ground..</li> </ul>
<p>Does not run and water full indicator "E4"</p> 	<ul style="list-style-type: none"> <li>• Pull out the rubber plug to drain water.</li> <li>• If it is often in this state, please contact qualified service technical.</li> </ul>

# CARE & MAINTENANCE

## SAVE A SERVICE CALL

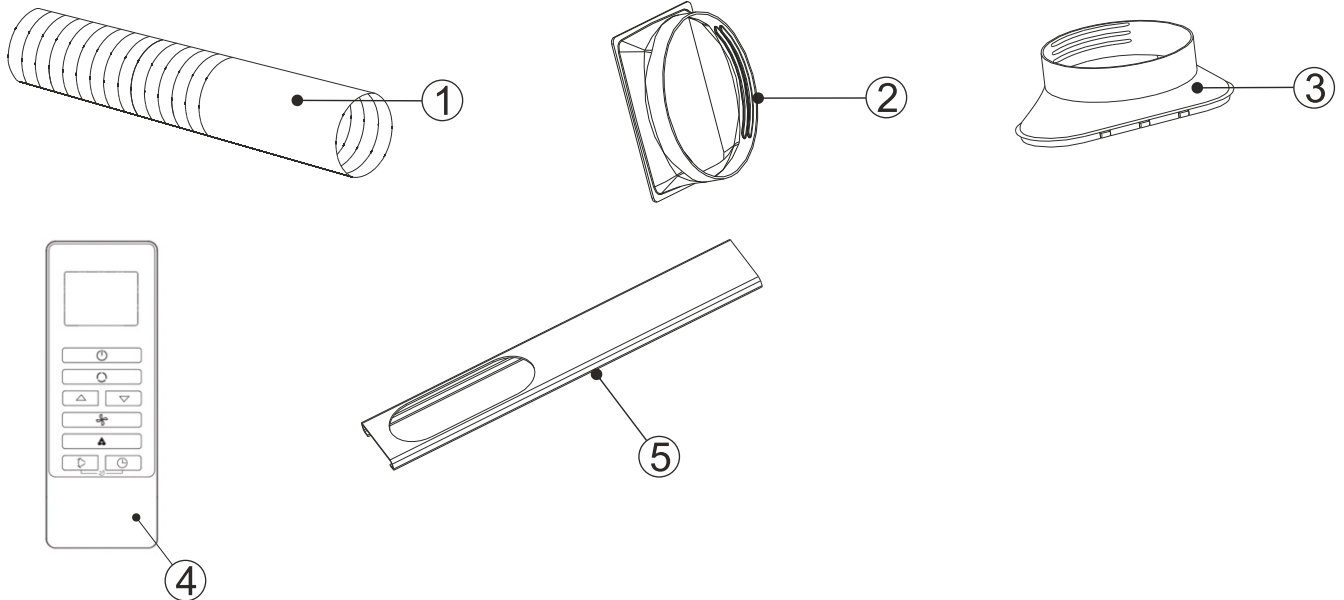
Before claiming repair, check the machine as follows:

Failures	Causes	Solutions
Machine fails to start up.	Power supply failure: 1. Not plugged; 2. Plug or socket damaged; 3. Fuse broken.	1. Plug in; 2. Replace the power cord or socket; 3. Replace the fuse by service provider (Specification: 3.15A/250VAC).
Machine automatically stops.	TIMING shut down or set temperature reached.	Restart or wait for auto-switch.
No cold air under COOLING mode.	1. Room temperature lower than set temperature; 2. Machine enters into anti-frost protection.	1. This is a normal phenomenon, the machine will auto-switch while the room temperature is higher than the set temperature; 2. The machine will auto switch after anti-frost protection is over.
LED displays failure code "E2"	Room temperature sensor fails or damaged.	Replace the room temperature sensor.
LED displays failure code "E3"	The evaporator oil pipe sensor fails or damaged.	Replace the evaporator coil pipe sensor.
LED displays failure code "E4"	Water-full warning.	Drain out the water.



# INSTALLATION

## Installation accessories



- ① Air exhaust duct
- ② Connector of air exhaust duct
- ③ Window exhaust adapter
- ④ Remote control
- ⑤ Baffle Plate

## Select the best location

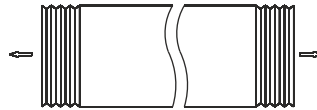
- Beside a window, a door or a French window.
- Keep the required distance from the return air outlet to the wall or other obstacles at least 19 ½" ( 60cm).
- Fix one end of the air hose on the air outlet underside the appliance.
- Extend the air hose to ensure that other end of the air hose has clearance between the window, door, or French window, or wall hole.
- Air outlet or intake cannot be blocked by protective grid or any obstacle.

# INSTALLATION

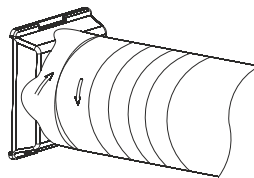
## Install Exhaust Hose and Adapter

How to connect the connectors to the Air exhaust duct

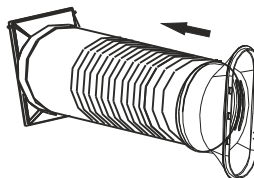
1. Extend the air exhaust duct by drawing out the two ends of the duct.



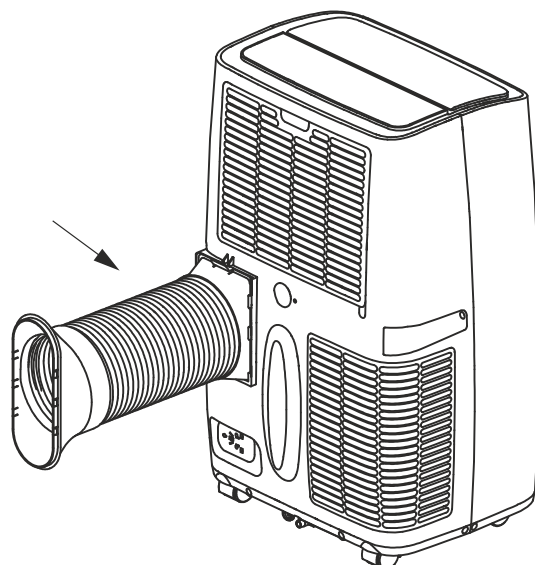
2. Screw the air exhaust duct into the connector of air exhaust duct.



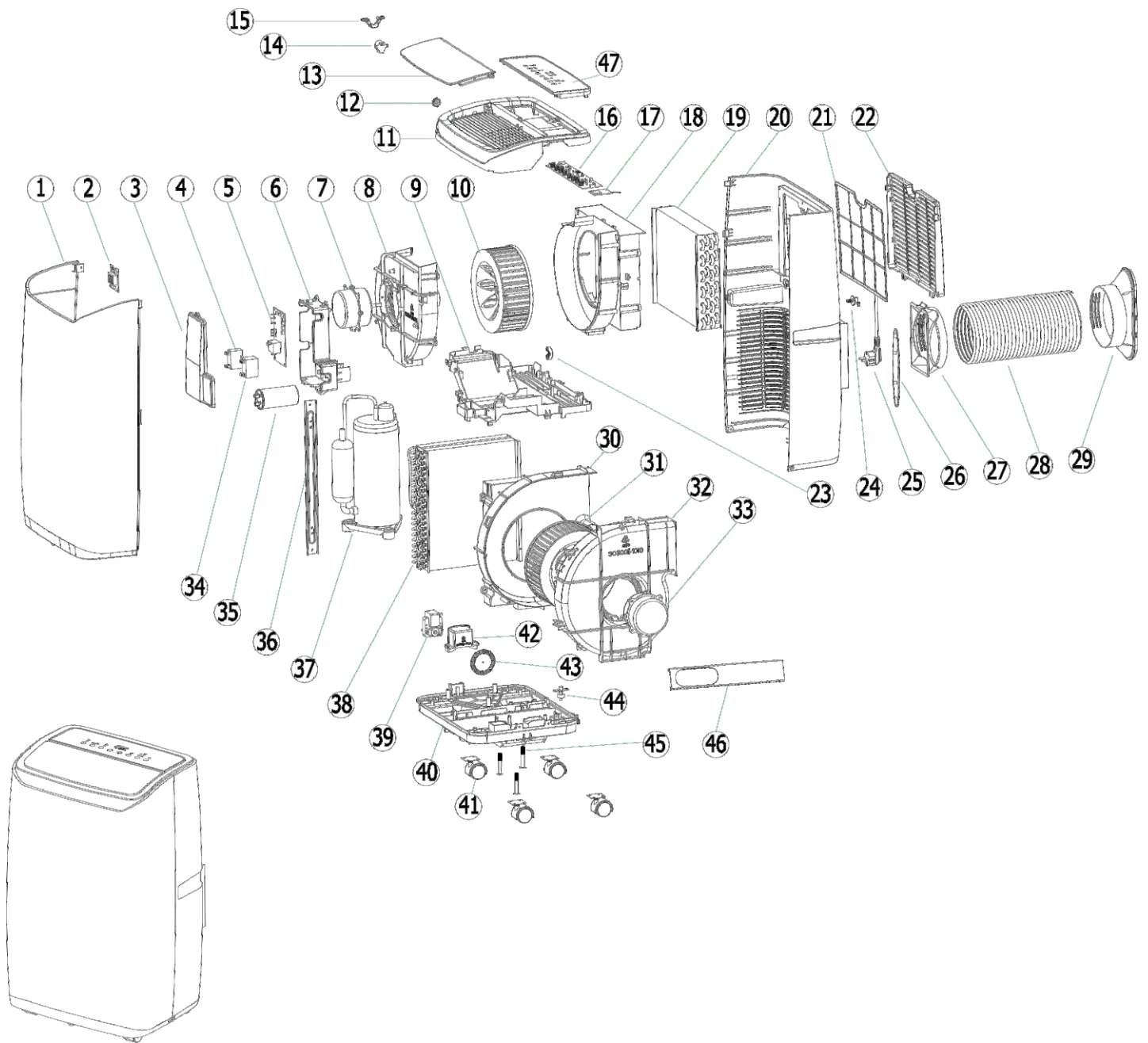
3. Screw the connector of window into the plastic connector.



4. Connect the connector of air exhaust duct to the unit.



# EXPLODED VIEW



# EXPLODED VIEW

Serial No	Part Name	Material	Quantity
1	Front Shell	ABS	1
2	Front Display	Components	1
3	Electric Control Box Cover	Flame Retardant ABS	1
4	Upper Motor Capacitor	Components	1
5	Power Cord	Components	1
6	Electric Control Box	Flame Retardant ABS	1
7	Internal Motor	Components	1
8	Inlet Air Duct Cover	ABS	1
9	Middle partition	ABS	1
10	Inner rotor	ABS + GF	1
11	Top cover	ABS	1
12	Gear	POM	1
13	Wind swing leaves	ABS	1
14	Stepper motor	Components	1
15	Stepper motor bracket	ABS	1
16	Display board	Components	1
17	WIFI board	Components	1
18	Bottom of inner air duct	ABS	1
19	Evaporator	Components	1
20	back shell	ABS	1
21	Filter	PP + Net	1
22	Filter Plate	ABS	1
23	Crimping clip	ABS	1
24	Water plug	rubber	2
25	Power cable	Components	1
26	Winding board	ABS	1
27	Square to circle	ABS	1
28	Exhaust pipe	ABS	1
29	offset circle	PVC	1
30	Outer air duct bottom	ABS	1
31	Outer rotor	ABS + GF	1
32	Outer air duct cover	ABS	1
33	External motor	Components	1
34	External motor capacitor	Components	1
35	Compressor capacitor	Components	1
36	Support frame	Galvanized sheet	1
37	Compressor	Components	1
38	Condenser	Components	1
39	Water jet motor	ABS	1
40	Chassis	ABS	1
41	Wheel	Components	4
42	Water jet cover	ABS	1
43	Water throwing wheel	ABS	1
44	Float switch	Components	1
45	Compressor screw	A3 Steel	3
46	Two boards	PVC	1

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