CONTENTS

Safety----------1
Identification of parts----------10
Control panel Remote----------11
controller Protection----------15
Maintenance----------16
Trouble shooting ----------17
Installation
Accessories and Select the best location----------20
Installation
Install Exhaust Hose and Adapter----------21
Technical Specification----------23

General information

Reading and storing the user manual



This user manual belongs to this portable air conditioner (referred to as the “product” below). It contains important information on how to set up and use the product.

Before using the product, read the user manual carefully. This particularly applies to the safety instructions. Failure to do so may result in personal injury or damage to the product.

Store the user manual for further use. Make sure to include this user manual when passing the product on to third parties.

Contact After Sales Support for electronic copies of the user manual.

Proper use

The product is exclusively designed for regulating the temperature of enclosed indoor areas. It is only intended for private use and is not suitable for commercial purposes. The product is not a children’s toy.

Only use the product as described in this user manual. Any other use is considered improper and may result in damage to property or persons.

The manufacturer or vendor cannot be held liable for damages or injury incurred through improper or incorrect use.

Explanation of symbols

The following symbols are used in this user manual, on the product or on the packaging.



This symbol provides you with useful additional information on handling and use.



The ETL Listed Mark is proof that the product has been independently tested and meets the applicable published standard.



Read the instructions carefully before use.



For indoor use only.



Caution, risk of fire!

A2L

Safety

Signal symbol/word definitions

The following symbols and signal words are used in this user manual.

WARNING!	This signal symbol/word designates a hazard with a moderate risk, which may result in death or severe injury if not avoided.
NOTICE!	This signal word warns of possible damage to property.

General safety instructions

IMPORTANT SAFEGUARDS
SAVE THESE INSTRUCTIONS
READ AND FOLLOW ALL SAFETY INSTRUCTIONS

WARNING

- If the power cord is damaged, it cannot be repaired. It must be replaced with a new cord obtained from the product manufacturer.
- Use on single outlet circuit only!
- Use a 15 amp time delay fuse or circuit breaker.
- Do not connect the product to extension cords, adapters or together with other appliances in the same wall outlet.

- Do not splice the power cord. Do not under any circumstances cut or remove the third ground prong from the power cord.
- Do not use means to accelerate the defrosting process or to clean, other than those recommended by the manufacturer.
- The product shall be stored in a room without continuously operating ignition sources (for example: open flames, an operating gas appliance or an operating electric heater) close to the product.
- Do not pierce or burn. Be aware that refrigerants may not contain an odor.
- Keep ventilation openings clear of obstructions.
- Servicing should only be performed as recommended by the equipment manufacturer. Maintenance and repair requiring the assistance of other skilled personnel should be carried out under the supervision of a person competent in the use of flammable refrigerants.
- Any person who is involved with working on or opening 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.
- This product is intended for indoor, residential applications only. Do not use this product outdoors. Do not use this product for commercial or industrial applications.

GROUNDING INSTRUCTIONS

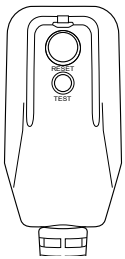
- This product must be grounded. Grounding reduces the risk of electrical shock by providing an escape wire for the electrical current.
- This product has a cord that has a grounding wire with a 3-prong plug. The power cord must be plugged into an outlet that is properly grounded. If the outlet is a 2-prong wall outlet, it must be replaced with a properly grounded 3-prong wall outlet. The serial rating plate indicates the voltage and frequency the product is designed for.

- WARNING – Improper use of the grounding plug can result in a risk of electric shock. Consult a qualified electrician or service agent if the grounding instructions are not completely understood, or if doubt exists as to whether the product is properly grounded.

LCDI power supply cord and plug

The product is equipped with an LCDI (Leakage Current Detection and Interruption) power cord and plug which senses leakage current flowing between or from the cord conductors and interrupts the circuit at a predetermined level of leakage current.

The TEST and RESET buttons on the LCDI plug are used to check if the plug is functioning properly. To do so:



1. Plug the power cord into a wall outlet.
2. Press the TEST button. The circuit should trip, cutting power to the product.
3. Press the RESET button to restore power to the product.

If the TEST button is pressed and the product can still be turned on, current leakage has been detected. Do not use the product or attempt to reset the LCDI plug.

WARNING:

- DO NOT press the TEST button while the product is operating.
- The TEST and RESET buttons should not be used as "ON" and "OFF" switches.
- The cord and plug are not intended to offer protection to externally connected loads or supply circuits.
- The cord and plug are intended for indoor use only.

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.



Risk of electric shock!

A faulty electrical installation, excessive line voltage, or incorrect operation may result in an electric shock.

- Only connect the product if the line voltage of the outlet corresponds to the data on the rating plate.
- Only connect the product to an easily accessible outlet so that you can quickly disconnect it from the power supply in the event of a problem.
- Do not use the product if it is damaged or if the power cord or plug is defective.
- Do not open the housing; instead, have a qualified professional perform repairs. Contact a qualified workshop for this. Liability and warranty claims are waived in the event of repairs performed by the user, improper connection or incorrect operation.
- Only parts that comply with the original device data may be used for repairs. This device contains electrical and mechanical parts which are essential for providing protection against sources of danger.
- Do not use the product with an external timer or separate remote control system.
- Do not immerse the product or the power cord in water or other liquids.
- Never touch the power plug with wet or damp hands.
- Do not pull the power plug out of the outlet by the cord; instead, always pull it out by the plug itself.

- Never move, pull, or carry the product by its power cord.
- Keep the product and the power cord away from open flames and hot surfaces.
- Lay the power cord so that it does not pose a tripping hazard.
- Do not kink the power cord and do not lay it over sharp edges.
- Only use the product indoors. Do not use the product in damp rooms or in the rain.
- Do not place the product such that there is a risk of it falling into a tub or basin.
- Never reach to retrieve an electrical device if it has fallen into water. In such a case, immediately disconnect the power plug.
- Never insert any objects into the housing of the product.
- Always switch the product off and unplug it when you are not using it, when you intend to clean it, when you intend to move it, or in the event of a malfunction.
- To avoid risk of electric shock, do not operate this product in an area that is likely to accumulate standing water. If this condition develops, disconnect the power supply before stepping into the water.
- Do not use this product if it is not working properly, or if it has been dropped, damaged, or dropped into water. Return the product to a service center for examination and repair.



Risk of fire or explosion!

Improper handling of the product may result in fire or explosion.

- DANGER – Risk of fire or explosion. Flammable refrigerant used. To be repaired only by trained service personnel. Do not puncture refrigerant tubing.
- CAUTION – Risk of fire or explosion. Dispose of properly in accordance with federal or local regulations. Flammable refrigerant used.

- Do not store or use combustible materials such as gasoline or other flammable vapors or liquids in the vicinity of this or any other appliances.
- If the product is used in an unventilated area, the area shall be constructed so that should any refrigerant leak, it will not stay stagnate so as to create a fire or explosion hazard.



Danger for children and persons with impaired physical, sensory or mental capacities (e.g. partially disabled persons, older persons with reduced physical and mental capacities), or lack of experience and knowledge (e.g. older children).

- This product is not intended for use by persons (including children) whose physical, sensory or mental capabilities may be reduced, or who lack experience or knowledge, unless such persons receive supervision or training to operate the appliance by a person responsible for their safety.
- Children should be supervised to ensure that they do not play with the product.
- Make sure that children do not play with the plastic wrapping. They may get caught in it when playing and suffocate.



Risk of injury!

Improper handling of the product may result in injury.

- Do not insert fingers or other objects into grills or openings in the product.
- Risk of fire – Do not cover or block the intake and exhaust openings.



Risk of explosion, leakage or health hazard!

Improper handling of the batteries may result in explosion, leakage or personal injury.

- WARNING: Do not ingest battery – Chemical burn hazard! Keep batteries away from children.
- If the battery compartment does not close securely, stop using the remote control and keep it away from children.
- Only replace the batteries with the same or an equivalent battery type.
- Never expose batteries to excessive heat e.g. direct sunlight or fire. Do not throw batteries in an open fire.
- Never disassemble the batteries, do not short circuit them and do not recharge batteries that are not rechargeable.
- Remove empty batteries from the remote control.
- Store both new and used batteries so that they are out of the reach of children.
- Take hold of leaky batteries using gloves only and dispose of them properly.
- Non-rechargeable batteries are not to be recharged.
- Rechargeable batteries are to be removed from the product before being charged.
- Different types of batteries or new and used batteries are not to be mixed.
- Batteries are to be inserted with the correct polarity (+/–).
- Exhausted batteries are to be removed from the product and safely disposed of.
- If the product is to be stored unused for a long period, the batteries should be removed.
- The supply terminals are not to be short-circuited.

- Under abusive conditions, liquid may be ejected from the battery; avoid contact. Liquid ejected from the battery may cause irritation or burns.
- If battery fluid comes into contact with skin, eyes or mucous membrane, wash and rinse the affected area immediately with clean water. Consult a physician if necessary.
- The battery must not be disassembled, short-circuited or thrown into a fire.

NOTICE!

Risk of damage!

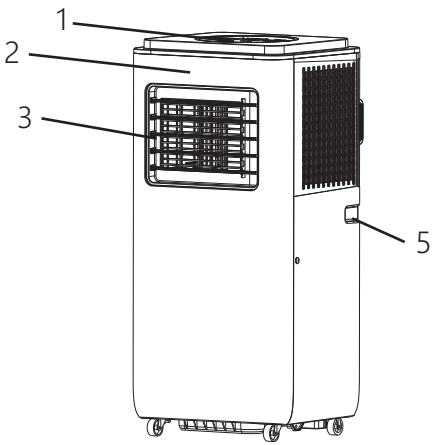
Improper handling of the product may result in damage to the product.

- Keep the product away from walls, furniture and curtains with a clearance of at least 12 inches (30 cm) on all sides.
- Keep the product upright during transport and storage. Do not tilt more than 35 degrees or turn the product upside down.
- Place the product on an easily accessible, level, dry, heat-resistant and sufficiently stable surface. Do not place the product on the edge of the surface or on a slope.
- Never place the product on or near hot surfaces (stovetops, etc.).
- Ensure that the power cord does not come into contact with hot parts.
- Never expose the product to high temperatures (heaters, etc.) or to the effects of the weather (rain, etc.).
- Never fill the product with liquid.
- Never attempt to clean the product by immersing it in water and do not use a steam cleaner to clean it. Otherwise, you could damage the product.
- Stop using the product if its plastic parts exhibit cracks or breaks or are deformed. Only replace damaged parts with corresponding original spare parts.

Identification of parts

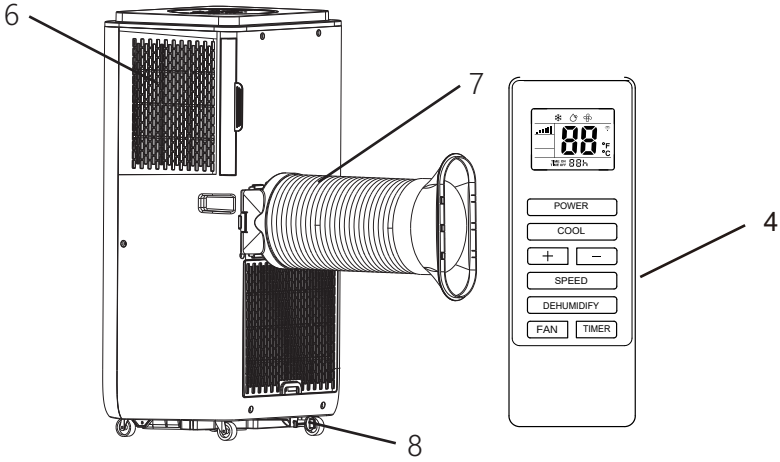
Identification of parts

- ***Front***



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

- ***Back***

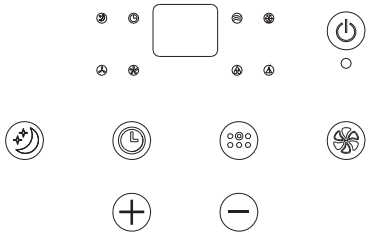


The figures in this manual are based on the external view of a standard model. Consequently, the shape may differ from that of the air conditioner you have selected.

Identification of parts

Control panel

This section explains proper mobile air conditioner operation.



Power button　Speed button　Timer/Temperature up button

Timer button　Mode button　Timer/Temperature down button

Sleep button　low、high Fan speed　**Automatic, Cool**, Dehumidify and Fan mode

■ Control panel operation

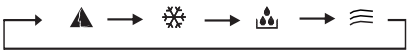
- **Automatic, Cool**, **Dehumidify, Fan**,and heating Model operation.

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 operate 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 59 °F (15 °C) - 87.8 °F (31 °C) .
Press " △ " or " ▽ " button to increase or decrease the temperature 1 ° (33.8 °F) , by pessing 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.

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 ≥ 75.2°F (24°C) ,the unit willautomatically select ❄ mode

3.When the room temperature < 75.2°F (24°C) ,the unitwill 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 upper fan operate at original set speed.

* ≋ mode:

1.The 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.

2. Press the button in ❄ mode, then the unit will work under sleep mode and the up centrifugal fan will turn to the low speed automatically (the speed icon light remains on the previous setting) The set temperature will increase by 33.8 °F (1 °C) after one hour, then increase by 35.6 °F (2°C) after two hours. After six hours the unit will stop running.

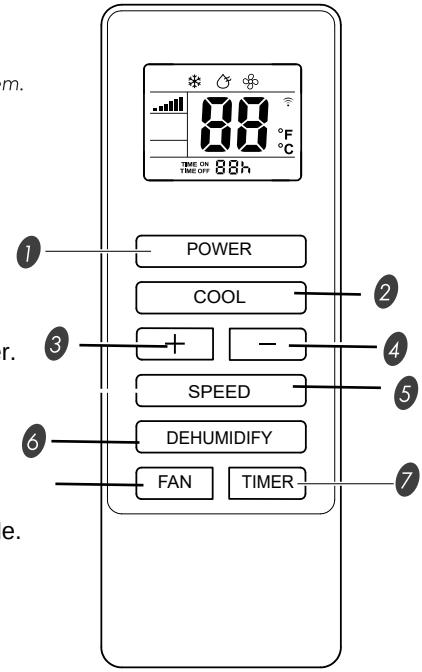
Notice:

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 tun 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 POWER BUTTON

The appliance will be started when it is energized or will be stopped when it is in operation, if you press this button.

2 COOL BUTTON

Press this button to select cool mode.

3 **4** + and - BUTTON

Press to adjust room temperature and timer.

5 SPEED BUTTON

Press to select fan speed in sequence

or

6 DEHUMIDIFY BUTTON

Press this button to select dehumidify mode.

7 FAN BUTTON

Press this button to select fan mode.

8 TIMER BUTTON

Press to set automatic TIMER on/off.

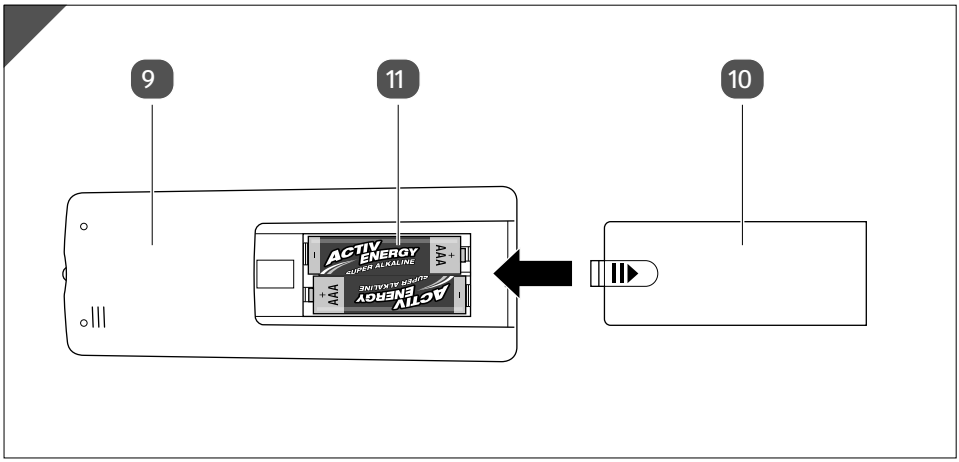
Inserting and replacing the batteries

WARNING!

Choking hazard!

If children or animals swallow the batteries, there is a high health and choking hazard.

- Keep the battery out of reach of children.
- If you suspect a battery to have been swallowed, seek immediate medical attention.



1. Press and slide the battery cover 10 off the back of the remote control 9.
2. Insert 2 x (AAA) batteries 11 in the orientation (+ / –) as shown inside the battery compartment.

   When replacing batteries, remove old batteries first and dispose of them in accordance with the applicable regulations (see chapter "Disposal").
3. Slide the battery cover back into place. A click sound is heard when it has closed properly.

Protection

Operating condition

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

Cooling	Indoor air temperature is over 43℃
	Room temperature is below 15℃
Dehumidifying	Room temperature is below 15℃

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

❶ **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.

❷ • 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.

Maintenance

Appliance maintenance

1 Cut off the power supply



2 Wipe with a soft and dry cloth.

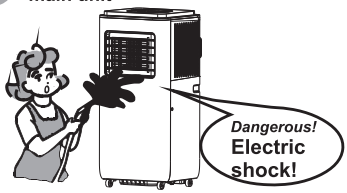
Use lukewarm water (below 40℃(104℉)) to clean if the appliance is very dirty.



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



4 Never sprinkle water onto the main unit

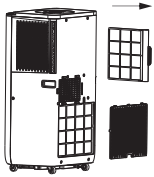


Air filter maintenance

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

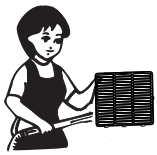
Clean it as follows:

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

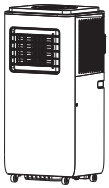
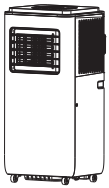
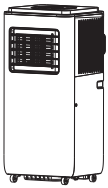
☑ ***Clean the air filter every two weeks if the air conditioner operates in an extremely dusty environment.***

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.**

Troubleshooting

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

Trouble	Analysis
Does not run 	• If the protector trip or fuse is blown. • Please wait for 3 minutes and start again, protector device may be preventing unit from working. • If batteries in the remote controller are exhausted. • If the plug is not properly plugged in.
Runs for a short while only  	• If the set temperature is close to room temperature, you can lower the set temperature. • Air outlet is blocked by obstacle. Take the obstacle away.
Runs but not cooling  	• If the door or window is open. • If there is another appliance heat-working. like heater or lamp, etc. . • The air filter is dirty, please clean it. • Air outlet or intake is blocked. • Set temperature is too high.
Water leak during moving  	• Drain the condensate before moving. • To avoid water leakage, please locate the unit on flat ground..
Does not run and water full indicator “E4” 	• Pull out the rubber plug to drain water. • If it is often in this state, please contact qualified service technicial.

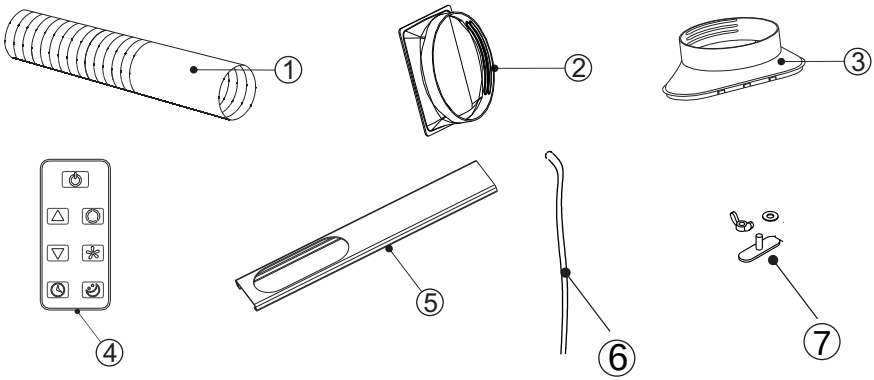
Troubleshooting

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: 6.3A/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
⑥ Drain Pipe
⑦ Wing nut set

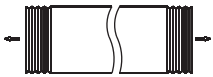
Select the best location

- Beside a window, a door or a French window.
- Keep the required distance from the return air outle 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.

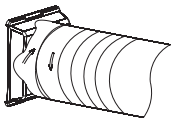
Install Exhaust Hose and Adapter

How to connect the connectors to the Air exhaust duct

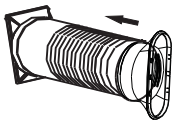
1. Extend the air exhaust duct by drawing out the two ends of the duct.



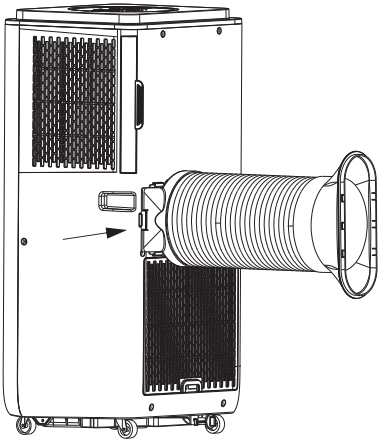
2.Screw the air exhaust duct into the connector of air exhaust duct.



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



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



Install Window Kit

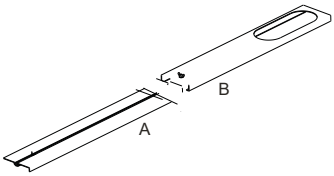
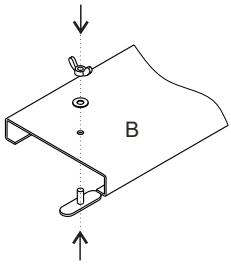


Fig. 1



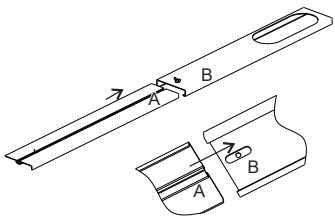


Fig. 2

1. Separate both boards A board, and B board

2. Screw the wing nut through the B board. Leave 2/3 mm of free space.

3. Insert A board into B board according to arrowhead direction.

4. Assembly finished, you can adjust A board up or down,according to height of the window. Screw it unit it is tight.

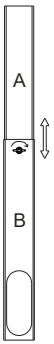


Fig. 3

5. Install exhaust air duct & its accessories into window kit according to arrowhead direction.

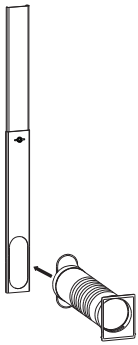


Fig. 4

6. Assembly finished.

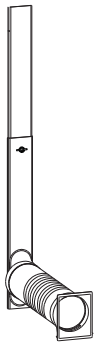


Fig. 5

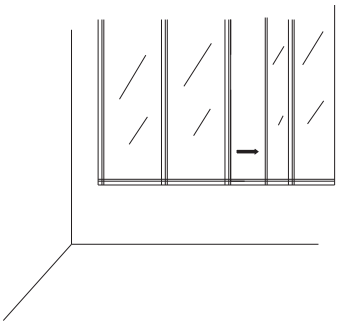


Fig. 6

7. Open the window where need install exhaust air duct, window kit and their accessories.

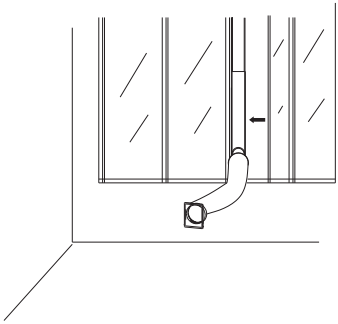


Fig. 7

8. Install exhaust air duct, window kit and their accessories onto window, then close the window according to arrowhead direction in Fig7 drawing to press window kit tightly.

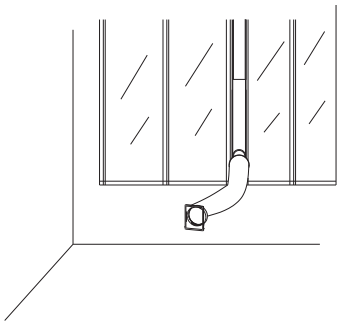


Fig. 8

9. Install exhaust air duct, window kit and their accessories onto window according to Fig8 drawing illustrated.

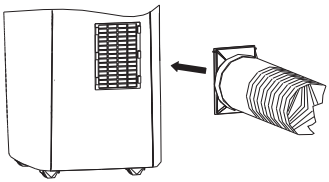


Fig. 9

10. Connect another end of exhaust air duct and its accessories onto portable air conditioner.

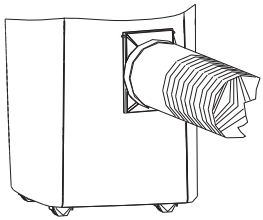


Fig. 10

11. Exhaust air duct & its accessories assembly finished as Fig10 drawing illustrated.

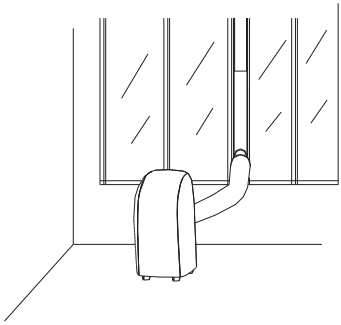


Fig. 11

12. Whole unit assembly well as Fig11 drawing illustrated.

Technical specifications

Model		823-058V81BK(FDP23-2024V1R3) 823-058V81WT(FDP23-2024V1R3)
Cooling Capacity		80000Btu/h (Ashare) 50000Btu/h (Ashare)
Cooling Inpuy Power/Current		860W /7.0A
Air Flow Volume (m³/h)		250m3/h
RatedVoltage /Frequenc(V/Hz)		115V~/60Hz
Sound Pressure Level (dB (A))		L_{PA}:53dB(A)
		L_{WA}:64dB(A)
Net Weight (Kg)		18.5kg
Dimensions W×D×H	Body（mm）	330X280X704
	Package（mm）	373X318X880
Refrigerant		R32
Applying Space(m²)		10-15
Miniature Fuse		6.3A 250VAC

Model		823-058V83BK(FDP29-2024V1R3) 823-058V83WT(FDP29-2024V1R3)
Cooling Capacity		10000Btu/h (Ashare) 60000Btu/h (Ashare)
Cooling Inpuy Power/Current		1000W/9.2A
Air Flow Volume (m³/h)		270m³/h
RatedVoltage /Frequenc(V/Hz)		115V~/60Hz
Sound Pressure Level (dB (A))		L_{PA}:53dB(A)
		L_{WA}:64dB(A)
Net Weight (Kg)		21.5kg
Dimensions W×D×H	Body（mm）	330X280X704
	Package（mm）	373X318X880
Refrigerant		R32
Applying Space(m²)		15-20
Miniature Fuse		6.3A 250VAC

Technical specifications

Model		FDP29-2024V1
Cooling Capacity		2900W
Dehumidifying Capacity (L/h)		1.1 L/h
Cooling Inpuy Power/Current		1000W/9.2A
Air Flow Volume (m³/h)		270m³/h
RatedVoltage /Frequenc(V/Hz)		115V~/60Hz
Sound Pressure Level (dB (A))		L_{PA}:53dB(A)
		L_{WA}:64dB(A)
Net Weight (Kg)		21kg
Dimensions W×D×H	Body（mm）	330X280X704
	Package（mm）	373X318X880
Refrigerant		R410A
Applying Space(m²)		15-20
Miniature Fuse		6.3A 250VAC

If you have any questions, please contact our customer care center.
Our contact details are below:

001-877-644-9366

customerservice@aosom.com

Imported by Aosom LLC
27150 SW Kinsman Rd Wilsonville, OR 97070 USA
MADE IN CHINA

Manufacturer: Ningbo Fuda Intelligent Technology Co., Ltd.

Address : No.1 Zhenhua Road ,Zhennan Village,Simen Town,315470 Yuyao ,Zhejiang Province,People's Republic of China