



Portable Air Conditioner with Dehumidifier

JEFPAC09



SAVE THESE INSTRUCTIONS

Please read and comply with these original instructions prior to the initial operation of your appliance and store them for later use or subsequent owners. Apart from the notes contained herein the general safety provisions and rules for the prevention of accidents of the legislator must be observed.

Warnings and notes that are attached on the appliance provide important notes for the safe operation.

Before You Begin

PRODUCT DESCRIPTION

Our powerful portable air conditioners are great cooling solutions for single rooms, creating a comfortable atmosphere in your space. It also has ventilation and dehumidifying function for circulating air and removal of moisture. They're self-contained systems that do not require any permanent installation allowing you to move to the space in which it is most needed. They're commonly used in kitchens, bedrooms, computer rooms, garages, and many other places where installation of Air conditioner Outdoor Unit is limited.

The environmentally friendly R290 is used as the refrigerant. R290 has no damaging influence on the ozone layer (ODP), a negligible greenhouse effect (GWP) and is available worldwide. Because of its efficient energy properties, R290 is highly suitable as a coolant for this application. Special precautions must be taken into consideration due to the coolant's high flammability.

SYMBOLS FROM THE UNIT AND USER MANUAL



This unit uses a flammable refrigerant. If refrigerant leaks and comes in contact with fire or heating part, it will create harmful gas and there is risk of fire.

WARNING



Read the USER MANUAL carefully before operation.



Further information is available in the USER MANUAL.



Service personnel are required to carefully read the USER MANUAL and SERVICE MANUAL before operation.

THE FOLLOWING SHOULD ALWAYS BE OBSERVED FOR SAFETY

- This appliance is intended to be used by expert or trained users in shops, in light industry and on farms, or for commercial use.
- This appliance can be used by children aged from 8 years who 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.
- The unit is designed only for use with R290 (propane) gas as the designated refrigerant.
- The refrigerant loop is sealed. Only a qualified technician should attempt to service!
- Do not discharge the refrigerant into the atmosphere.
- R-290 (propane) is flammable and heavier than air.
- It collects first in low areas but can be circulated by the fans.
- If propane gas is present or even suspected, do not allow untrained personnel to attempt to find the cause.
- The propane gas used in the unit has no odor.
- The lack of smell does not indicate a lack of escaped gas.
- If a leak is detected, immediately evacuate all persons from the store, ventilate the room and contact the local fire department to advise them that a propane leak has occurred.
- Do not let any persons back into the room until the qualified service technician has arrived and that technician advises that it is safe to return to the room.
- No open flames, cigarettes or other possible sources of ignition should be used inside or in the vicinity of the units.
- Component parts are designed for propane and non-incentive and non-sparking. Component parts shall only be replaced with identical repair parts.

FAILURE TO ABIDE BY THIS WARNING COULD RESULT IN AN EXPLOSION, DEATH, INJURY AND PROPERTY DAMAGE.

For Your Safety

OPERATIONAL PRECAUTIONS

- 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.
- The A-weighted sound pressure level is below 51 dB.
- The appliance shall be disconnected from its power source during service.
- Always operate the unit from a power source of equal voltage, frequency and rating as indicated on the product identification plate.
- Always use a power outlet that is grounded.
- Unplug the power cord when cleaning or when not in use.
- Do not operate with wet hands. Prevent water from spilling onto the unit.
- Do not immerse or expose the unit to rain, moisture or any other liquid.
- Do not leave the unit running unattended. Do not tilt or turn over the unit.
- Do not unplug while the unit is operating.
- Do not unplug by pulling on the power cord.
- Do not use an extension cord or an adapter plug.
- Do not put objects on the unit.
- Do not climb or sit on the unit.
- Do not insert fingers or other objects into the air outlet.
- Do not touch the air inlet or the aluminium fins of the unit.
- Do not operate the unit if it is dropped, damaged or showing signs of product malfunction.
- Do not clean the appliance with any chemicals.
- Ensure the unit is far away from fire, inflammable, or explosive objects.
- The unit shall be installed in accordance with national wiring regulations.
- Do not use means to accelerate the defrosting process or to clean, other than those recommended by the manufacture.
- The appliance shall be stored in a room without continuously operation sources (for example: open flames, an operating gas appliance or an operating electric heater).
- The appliance shall be stored so as to prevent mechanical damage from occurring.
- Do not piece or burn, even after use.
- Be aware that refrigerants may not contain an odour.
- Pipe-work shall be protected from physical damage and shall not be installed in an unventilated space, if that space is smaller than 4m².
- Compliance with national gas regulations shall be observed.
- Keep any required ventilation openings clear of obstruction.
- The appliance shall be stored in a well-ventilated area where the room size corresponds to the room area as specified for operation.

WARNING

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.

WARNING

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.

Safety Precautions for Servicing

Please follow these warnings when to undertake the following when servicing an appliance with R290.

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.

Work procedure

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

Safety Precautions for Servicing

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 work space shall be sectioned off. Ensure that the conditions within the area have been made safe by control of flammable material.

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. no sparking, adequately sealed or intrinsically safe.

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.

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.

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.

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.

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:

- those 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.

WARNING!

Install the unit in rooms which exceed 4 m².

Do not install the unit in a place where inflammable gas may leak.

NOTE!

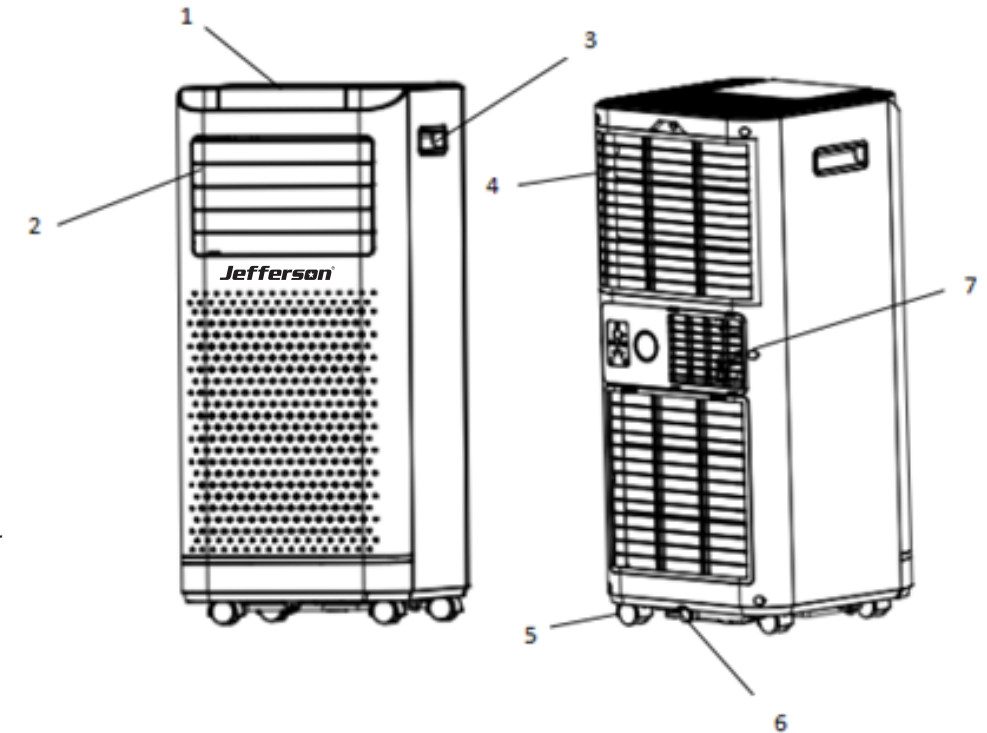
The manufacture may provide other suitable example or may provide additional information about the refrigerant odour.

Product Review

PRODUCT DIAGRAM

1.	Control panel
2.	Air outlet with adjustable louvre
3.	Handle
4.	Air inlet with air filter
5.	Caster
6.	Drainage Hole
7.	Air Exhaust

Note: The appearance is only for reference. Please see the real product for detailed information.



FEATURES

- High Capacity in a compact size with cooling
- Dehumidifying and ventilating function.
- Temperature setting and display
- LED Digital display
- Electronic control with built-in timer, sleep mode
- Self-evaporating system for better efficient
- Auto shut off when tank full
- Automatic restart in the event of power outage
- Auto defrosting function at low ambient temperatures
- Remote control
- 2- speed fan
- Casters for easy mobility

Specification.

Product Code:	JEFAC09
Cooling Capacity:	9000Btu/h
Rated Voltage:	220V - 240V
Rated Wattage:	1005W
Frequency:	50Hz
Cooling Rated Input Current:	4.5A
Sound Power Level:	≤5dB(A)
Refrigerate Charge:	R290 160g
Class Rating:	1
Net Weight:	22.5kg

Installation

UNPACKING

- Unpack the carton and take the appliance and accessories out.
- Check the device after unpacking for any damage or scratches on it.
- Accessories:
 1. Exhaust hose
 2. Hose connector
 3. Window kit adapter
 4. Remote control
 5. Window Spacer
 6. Window Seal & tape



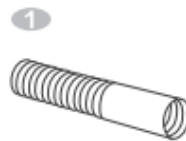
Outer Joint



Remote



Window Spacer: 127cm (max)



Hose Length: 1.5m



Inner Joint



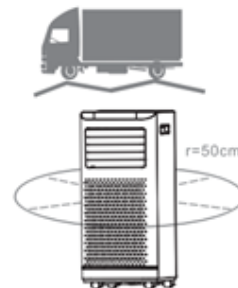
Window seal & tape

WARNING!

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Do not install the unit in a place where inflammable gas may leak.

NOTE!

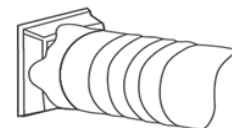
The manufacture may provide other suitable example or may provide additional information about the refrigerant odour.



ATTACH THE EXHAUST HOSE ATTACH THE EXHAUST HOSE

The air conditioner requires being vented outside so that the exhaust air can escape the room which coming from the appliance contains waste heat and moisture.
Do not replace or extend exhaust hose which will result in decreased efficiency, even worse shut down the unit due to low back pressure.

Step 1: Connect the hose connector to one end of the exhaust hose.



Step 2: Connect the windows kit adapter to the other end of the exhaust hose.



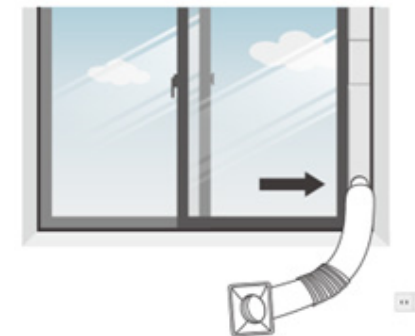
Step 3: Extend the adjustable window kit the length of your window.
Connect the exhaust hose to the window kit.



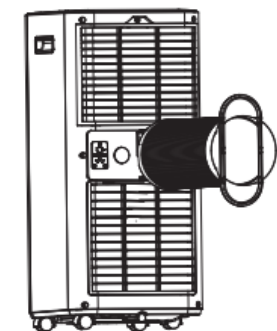
Installation Cont.

ATTACH THE EXHAUST HOSE CONT.

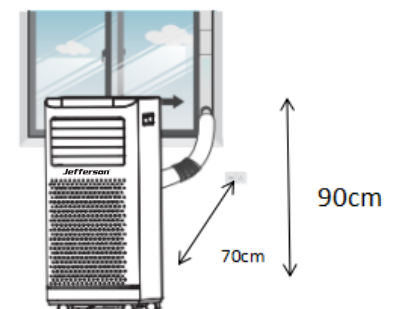
Step 4: Close your window to secure the kit in place. It needs to hold the windows kit firmly in place, secure the window kit with duct tape if required. It is recommended that the gap between the adapter and the sides of the window should be sealed off for maximum efficiency.



Step 5: Attach the hose connector to the exhaust air outlet of unit.



Step 6: Adjusting the length of the flexible exhaust hose, and avoid bends in the hose. Then place AC near an electrical outlet.



Step 7: Adjust the louvre at the air outlet, and then switch on the unit.

Window Sealing Kit

Suitable for all types of hinged windows including skylights up to 300cm total perimeter. Easy to install using the supplied roll of self-adhesive hook & loop tape. Double zip makes positioning the ducting at any height easy. Saves energy by making the air conditioner or dryer more effective.

Cleaning: clean the window and window frame, making them free from grease and dust.

Cutting the velcro tape to size: Cut the velcro tape to size, using a pair of scissors. Mark the middle (m) of the window seal (fig. 1). Mark the middle of the window Frame and the casement (fig. 2-4) (Fig.2 Shows an open window, fig.3 A tilted window and fig.4 An open skylight).

Velcro tape to the window frame: Adhere the velcro tape to the window frame around the window. Then adhere the velcro tape fully around the window. Stick the velcro tape to the front side (in most cases 1 cm wide) of the casement or to the inner surface of the casement (where the window handle is attached).

Caution: do not adhere the velcro tape on the window

Sealing window to window frame: Adhere the narrow side of the window seal to the velcro tape on the window frame. Work from the centre and fully adhere the narrow side all the way around. First fasten side a, then side b, starting in the middle and working all the way to the left and right.

Important! When fastening, point a must be exactly opposite point b.

Sealing the window: Leave the window ajar and adhere the wide side of the window seal to the velcro tape of the window. Caution: leave sufficient space, so that the window seal will not get jammed.

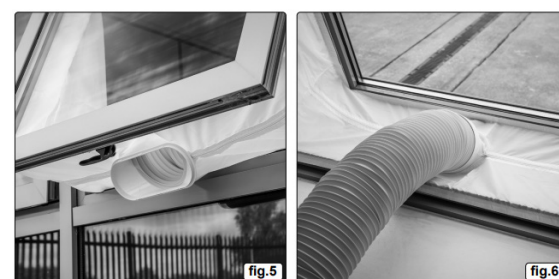
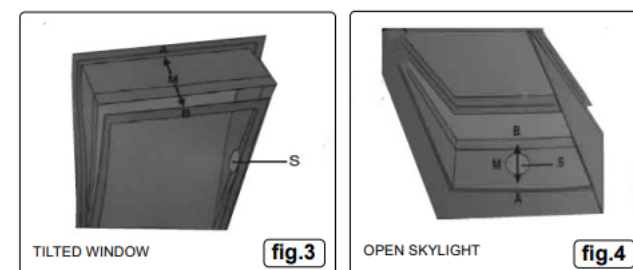
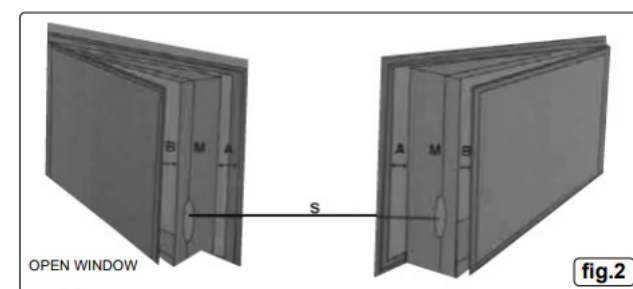
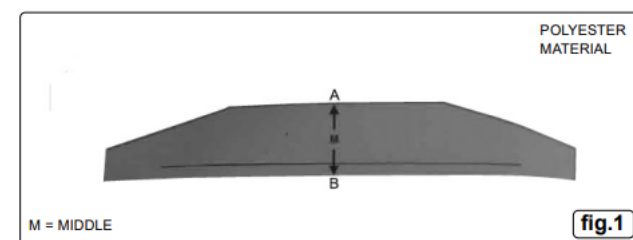
Opening the window seal: Open the zip of the window seal approximately 50 cm. Open the zip preferably at the positions marked with "s" and attach the exhaust air hose.

Attaching the air discharge: Insert the air discharge hose of the air conditioning system through the hole in the window seal and close the zip until the air discharge hose is properly secured.

Closing the window: If you want to close your window, simply detach the cloth from the velcro tape. When closing the window take care that the seal is not jammed between the casement and window frame.

Note: this window seal ensures that the room remains cool for a longer period of time and keeps insects and mosquitoes out.

The installed item will resemble fig.5 And fig.6

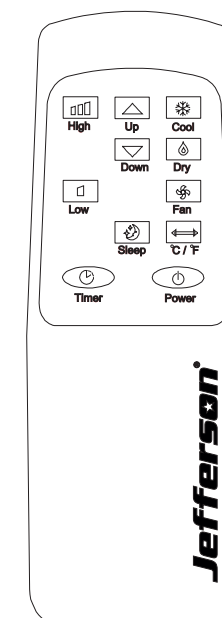


Operation

CONTROL PANEL AND DISPLAY



REMOTE CONTROL



Move the battery's insulating piece away before using.

Control Panel and Display

1.	POWER	Press to switch the machine on or off.
2.	MODE	Press to switch the operation mode between cooling, heating,dehumidifier and fan.
3.	SPEED	Press to switch the fan speed between HIGH and LOW
4.	SLEEP	Press into sleep mode
5.	TIMER	Sets a time for the unit to automatically start or stop.
6.	LOCK	Press to lock the device
7.	UP	Increasing the desired temperature(16°C-32°C) or timer setting.
8.	TIMER/POWER Indicator	Display the Power/Time on
9.	POWER	Press to switch the machine on or off.
10.	MODE	Press to switch the operation mode between cooling, heating,dehumidifier and fan.
11.	SLEEP	Press to switch the fan speed between HIGH and LOW
12.	SPEED	Press into sleep mode
13.	TIMER	Sets a time for the unit to automatically start or stop.
14.	LOCK	Press to lock the device.
15.	UP	Increasing the desired temperature(16°C - 32°C) or timer setting.
16.	TIMER / POWER INDICATOR	Display the Power/Time on.

Remote control function key and indicator

17.	POWER (LED)	Press to switch the machine on or off.
18.	MODE	Mode button Press to switch the operation mode between cool, fan, and dry.
19.	INDICATORS	LED for 3 operation modes selecting by press mode button.
20.	ADD	Increasing the desired temperature(16°C - 32°C) or timer setting.
21.	INDICATOR	LED for fan speed (high & low)
22.	TIMER	Sets a time for the unit to automatically start or stop. The range of timer adjustable is 1-24 hours.
23.	FAN	Press to switch the fan speed between HIGH(green) and LOW (green).
24.	DIGITAL DISPLAY	Displays timer setting and room temperature.
25.	MINUS	Decreasing the desired temperature or timer setting.

Settings

Start-up and Shutdown

Press POWER to turn the unit on.
The unit runs in FAN as default.
Press MODE button to select the desired operation mode.
Press POWER again to turn off the power.

Operation mode

The unit has four operation modes: Cool, fan, dry, sleep.

A. Cooling your room

Select the cool mode to lower the temperature in your room.
Press MODE button repeatedly until the LED of COOL operation lights up.
Press ADD/MINUS button to adjust the temperature which is displayed on the screen.
The temperature can be set between 16°C and 32°C.
Press SPEED button repeatedly until the desired fan speed indicator lights up.
To control the direction of the air flow horizontally, please adjust the inner louvre by hand.
To control the direction of the air flow horizontally, please press the SWING button on.
Note. The air conditioner stops if the room temperature is lower than selected temperature.

B. Ventilating your room

Press MODE button repeatedly until the LED of FAN operation lights up.
In ventilation mode the room air is circulated, but not cooled.
Press SPEED button repeatedly to select the fan speed as desired.

C. Drying your room

Press MODE button on the control panel or remote control, the LED of DRY operation lights up.
The fan speed is unable to select. User should connect the hose to the drain outlet at the bottom of the unit.
Note: In this mode, the fan speed switches over to low speed and cannot be selected.

D. Sleep mode.

(This function can only be used with a remote control.)
The sleep mode can be activated when in cool mode. After 1 hour the pre-set temperature is increased by 1°C , after another hour the pre-set temperature will again be increased by 1°C.

TIMER SETTING. (1hour-24hours):

The timer has two ways of operation:

To turn off (When power on)	Press Timer key to turn on the timer function.	Press ADD/MINUS repeatedly to set the delay OFF time
To turn on (When power off)	Press Timer key to turn on the timer function.	Press ADD/MINUS repeatedly to set the delay ON time.
Cancel timer	Press ADD/MINUS repeatedly until the LED shows '00'. Note: when press POWER will also exit the timer setting	

Automatic Defrost.

At low room temperatures, frost may build-up at the evaporator during operation. The unit will automatically start defrosting and the POWER LED blinking. The defrost control sequence is as follows:

When the unit operates in the cooling operation, drying operation, the ambient temperature sensor senses the evaporator coil temperature is below -1°C, after the compressor will stop operating for 10 minutes or the coil temperature up to 7°C, the unit restart to cool operating mode.

Overload Protection

In the event of a power loss, to protect the compressor there is a 3-minute delay until the compressor restarting.

Drainage

Self- evaporating system

The self-evaporating system uses the collected water to cool the condenser coils for better efficient performance. It is no need to empty the drainage tank in cooling operation except in heating operation, drying operation and high humidity conditions. The condensate water evaporates at the condenser and evacuated through the exhaust hose.
For continuous operation or unattended operating in drying and heating operation, please connect the attached drain hose to the unit. Condensate water can be automatically flow into a bucket or drain by gravity.

- Switch off the unit before operating.
- Remove the plug of the water outlet opening, and keep it in safe area.
- Securely and properly connect the drain hose and make sure it is not kinked and clear of obstruction.
- Place the outlet of hose over a drain or bucket and ensure that water could freely flow out of the unit.
- Do not submerge the end of hose into water; otherwise it can cause "Air Lock" in the hose.

Remove the rubber sealing plug

Continuous drain hose
(Inner diameter=16mm)

To avoid water spillage:

- As the negative pressure of condensate drain pan is large, tilt the drain hose downward toward the floor.
It is appropriate that inclination should exceed 20 degrees.
- Straighten the hose to avoid a trap existing in the hose.

Cleaning and Care

CLEANING THE AIR FILTER (every two weeks)

Dust collects on the filter and restricts the airflow. The restricted airflow reduces the efficiency of the system and if it becomes blocked it can cause damage to the unit.
The air filter requires regular cleaning. The air filter is removable for easy cleaning. Do not operate the unit without an air filter, or the evaporator may be contaminated.

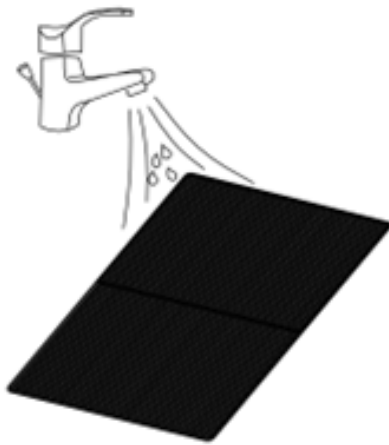
1. Press POWER button to switch off the unit and unplug the power cord.
2. Remove the filter mesh from the unit.
3. Use a vacuum cleaner to suck dust from the filter.
4. Turn the filter over and rinse the air filter under running water. Let the water run through the filter in the opposite direction of air flow. Set aside and allow the filter to air dry completely before reinstalling.

Cleaning and Care cont.

CLEANING THE AIR FILTER



Pic1. Switch off the unit and remove the two air filters.



Pic2. Rinse the air filter under running water.

Warning!!!

Do not touch the evaporator surface with bare-hand, or could cause injury of your fingers.

CLEANING UP OF REFRIGERANT

General Measures:

1. Gas/vapor heavier than air, may accumulate in confined spaces, particularly at or below ground level.
2. Eliminate every possible source of ignition.
3. Use appropriate personal protection equipment (PPE).
4. Evacuate unnecessary personnel, isolate, and ventilate area.
5. Do not get in eyes, on skin, or on clothing. Do not breathe vapors or gas.
6. Prevent entry to sewers and public waters.
7. Stop the source of the release, if safe to do so. Consider the use of water spray to disperse vapors.
8. Isolate the area until gas has dispersed. Ventilate and gas test area before entering. Contact competent authorities after a spill.

Trouble Shooting

Symptoms	Inspection	Solutions
The Unit is not operating.	Check the power connection in securely.	Insert the power cord securely into the wall Outlet.
	Check if the water level indicator lights up?	Empty the drain pan by remove the rubber plug.
	Check the room temperature	The range of operating temperature is 5-35C.
The unit works with reduced capacity.	Check the air filter for dirt.	Clean the air filter as necessary.
	Check if the air duct is blocked.	To clear the obstacle
	Check if the room door or window is open.	Keep the door and windows closed.
	Check if the desired operating mode is selected and the temperature is properly set.	Set the mode and temperature at proper set-point according the manual.
Water Leakage	The exhaust hose is detached.	Make sure the exhaust hose is securely attached.
	Overflow while moving the unit.	Empty the water tank before transport.
Excessive Noise	Check if the drain hose is kinked or bends	Straighten the hose to avoid a trap existing.
	Check if the unit is securely positioned.	Place the unit on horizontal and firm ground.
	Check if any loose, vibrating parts.	Secure and tight the parts.
Error Codes	Noise sounds like water flowing	Noise comes from flowing refrigerant. This is normal
	Communication faults between main PCB and display PCB.	Check the wire harness of the display PCB for damage.
	E0	
E1	Ambient temperature sensor failure	Check connection or replace it. To clean or replace the temperature sensor.
E2	Coil temperature sensor failures.	Check connection or replace it. To clean or replace the temperature sensor.
FT	Condensate water high level alarm.	Empty the drain pan by removal the rubber plug.

Decommissioning

STORAGE

Long-Term Storage - If you will not be using the unit for an extended period of time (more than a few weeks) it is best to clean the unit and dry it out completely. Please store the unit per the following steps:

1. Unplug the unit and remove exhaust hose and window kit store with the unit.
2. Drain the remaining water from the unit.
3. Clean the filter and let the filter dry completely in a shaded area.
4. Collect the power cord at the water tank.
5. Re-install the filter at its position.
6. The unit must be kept in upright position when in storage.
7. Preserving the machine in ventilating, dry, non- corrosive gas and safe place indoor.

ATTENTION:

The evaporator inside the machine has to be dried out before the unit is packed to avoid component damage and molds. Unplug the unit and place it in a dry open area for days to dry it out. Another way to dry the unit is to set the humidity point more than 5% higher than the ambient humidity to force the fan to dry the evaporator for a couple of hours.

DISPOSAL

WARNING!!! Releasing refrigerant into atmosphere is strictly forbidden!

Do not dispose of electrical appliances as unsorted municipal waste, use separate collection facilities. Contact your local government for information regarding the collection systems available. If electrical appliances are disposed of in land-fills or dumps, hazardous substances can leak into the groundwater and get into the food chain, damaging your health and well-being.



EC Declaration of Conformity

We, Jefferson Professional Tools & Equipment, as the authorised European Community representative of the manufacturer, declare that the following equipment conforms to the requirements of the following:



Machinery Directives 2006/42/EC	EN60335-1:2013+A11:2014+A13:2017+A1:2016+A14:2016+A2:2019 EN60335-2-79:2012 EN62233:2008	
EMC Directives 2014/20/EU	EN IEC 55014-1:2021 EN61000-3-2:2019+A1:2021	EN IEC 55014-2:2021 EN61000-3-2:2013+A1:2019
RoHS Directives 2011/65/EU	EU 2015/863	

We, Jefferson Professional Tools & Equipment, as the authorised UK Community representative of the manufacturer, declare that the following equipment conforms to the requirements of the following:



Electrical Equipment (Safety) Regulations 2016:

BS EN 60335-1:2012+A15 BS EN 60335-2-40:2003+A13 BS EN 62233:2008

Notified Testing Body:

Zhejiang Oulun Electric Co.,Ltd.
No. 22 Hengyi Road, Linping District,
Hangzhou, 311100 Zhejiang P.R. China

Description:

**Jefferson Portable Air Conditioner with Dehumidifier
JEFPA09**

Signed:

Stephen McIntyre
Operations Manager

Date:

23rd January 2024

**Name and address of manufacturer or
authorised representative:**

Jefferson Professional Tools & Equipment
24 Lisgorgan Lane,
Upperlands,
BT46 5TE

Tel: +44 (0)1244 646 048 (UK)
+353 (0)1473 0300 (ROI)

Email: info@jeffersontools.com





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