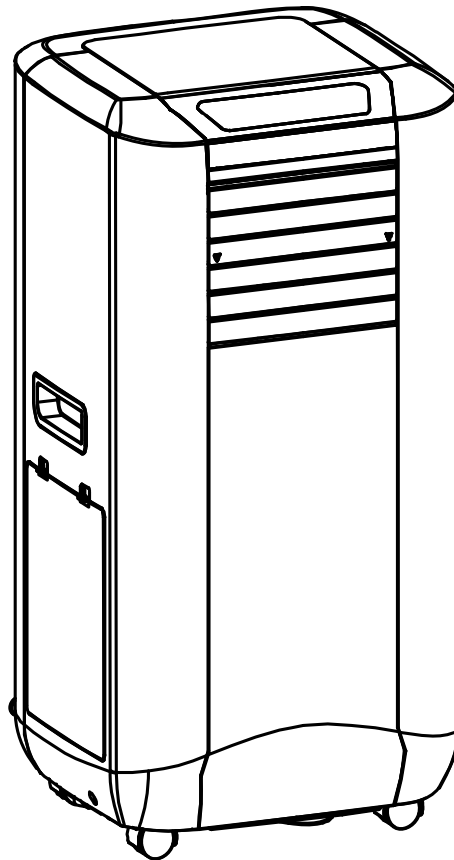


PORTABLE AIR CONDITIONER

Instruction Manual for PAC20A



PAC20A

19,500btu Portable Air Conditioner

Please read this manual carefully prior to operating the product.

Please keep ALL packaging for duration of Warranty Period

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IMPORTANT SAFEGUARDS

Before installing and using your portable air conditioner, it is important that you read this owner's manual carefully. Store this manual in a safe place for future reference.

This instruction manual is used for guidance and does not form part of a contract. It reserves the right to make technical changes without prior notice.

1. Always place the unit on a level surface.
2. The appliance shall be installed in accordance with national wiring regulation.
3. The unit must be connected to a correctly grounded power supply. For your safety, this unit is grounded through the power cord plug when connected to a grounded wall outlet. Do not use an adapter plug or extension cord.
4. Do not install the unit in an area where gas leakage may occur and/or in an explosive atmosphere.
5. Do not apply an insecticide or any type of flammable spray on the unit.
6. Confirm drainage piping is connected properly.
7. Do not start or stop the unit by inserting or pulling out the power plug.
8. Do not operate with wet hands.
9. Close supervision is necessary when the unit is used near children. The unit is not intended for use by children.
10. Do not insert anything into the air outlet. Do not obstruct air inlet or outlet grills.
11. Do not expose skin or eyes directly to cool air for a long period of time.
12. If an abnormal odour or smoke comes out of the unit, disconnect the unit immediately and contact a qualified service technician.
13. When opening the filter cover, do not touch the metal parts in the unit's interior.
14. Do not immerse the unit in water or any type of liquid. Do not use the unit in the immediate surroundings of a bath, shower, or swimming pool, or in any other steamy, wet areas.
15. When cleaning the unit, always turn the unit off and unplug the power cord.
16. Always inspect the power cord for signs of damage before use. If the power cord is damaged, it must be replaced by the manufacturer or a qualified service technician.
17. Do not place a plant or allow a pet in the direct path of the airflow to avoid injury.
18. Do not put a stove, etc, where it would be exposed to the direct airflow. It may affect combustion.
19. Do not sit on the unit or place anything on it.

20. Before storing, the water must be drained from the unit and the filters cleaned.
21. The appliance must be placed in an area without any continuously sources of ignition (for example: open flames , gas or electrical appliances in operation).
22. Do not puncture and do not burn.
23. This appliance contains Y g (see rating label back of unit) of R410a refrigerant gas.
24. R410a is a refrigerant gas that complies with the European directives on the environment. Do not puncture any part of the refrigerant circuit.
25. If the appliance is installed, operated or stored in a nonventilated area, the room must be designed to prevent to the accumulation of refrigerant leaks resulting in a risk of fire or explosion due to ignition of the refrigerant caused by electric heaters, stoves, or other sources of ignition.
26. The appliance must be stored in such a way as to prevent mechanical failure.
27. Contact authorized service technician for repair or maintenance of this unit.
28. Unplug the unit if strange sounds, smell, or smoke comes from it.
29. Keep Filters Clean
30. Keep Curtains Closed During the sunniest part of the day
31. Do not use extension leads
32. Only use in the up-right position
33. For Indoor Use Only

General Information

Recycling



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

Warning

The unit creates water which is collected in an internal water tank which has a rubber drain plug, it is very unlikely but if this tank becomes damaged during transport or the rubber bung comes out then it is possible that the unit will leak water when it is operated. Prior to use make sure the drain plug is in place & then during first use periodically check the unit to make sure it isn't leaking water (look at bottom / under the unit) – during first use do not turn the unit on and leave it unattended for a long period of time without checking.

INTRODUCTION

Thank you for purchasing this Portable Air Conditioner. This unit is designed to improve indoor living and working comfort by providing cooling and dehumidifying with minimal installation.

Please complete the following information for future reference. Retain this owner's manual with your sales receipt as a permanent record of your purchase.

Date of Purchase: _____

Place of Purchase: _____

Invoice Number: _____

WARRANTY

This product comes with a 12month warranty from date of purchase (as indicated on original sales receipt).

Please note that it is a warranty condition that ALL of the original packaging is kept for the duration of the warranty period, (the main box can be folded flat for storage).

If you need to make a warranty claim and the unit requires returning to us then we are only able to organise collection of the unit if it is in its original packaging (this is an insurance requirement of our courier). Failure to keep the original packaging means we are unable to organise collection of the product from you

SPECIFICATION

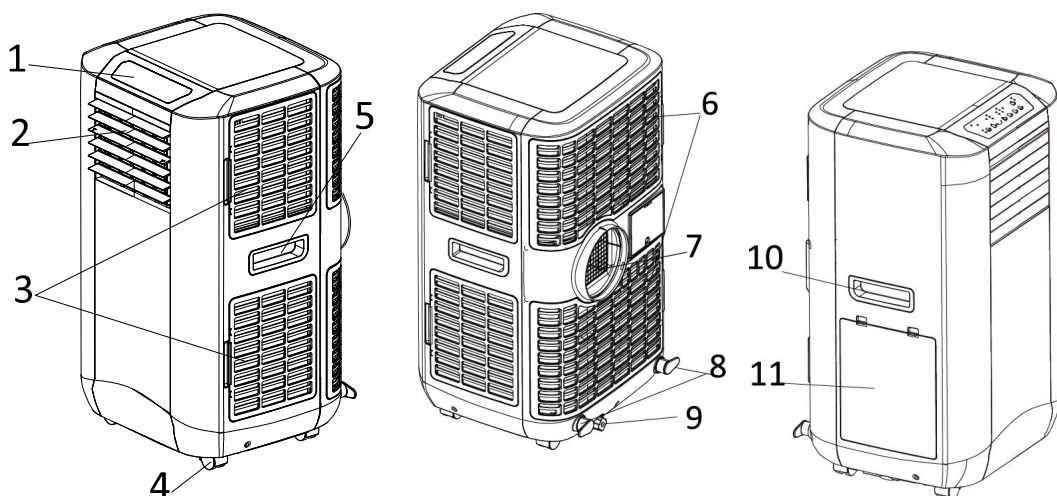
Model no.	PAC20A
Power supply	220-240V~, 50Hz
Cooling capacity	19,500BTU/hr 5.7kw/hr
Power consumption	2200W/10.2A
Air volume	661 m ³ /hr
Moisture removal	57.6L/day
Compressor	Rotary
Refrigerant	R-410A
Fan speed	3
Timer	24 hours
Working temperature	18 ~ 32°C
Exhaust pipe	Ø 165 x 1500 mm
N.W.	42kg
Product size (W x D x H)	453x427x806 mm

REMARK:

1. Measuring condition for above is as per EN 14511 :
Cooling – DB=35°C , WB=24°C
 - DB = temperature of dry bulb = room temperature
 - WB = temperature of wet bulb = relative humidity.
2. Test condition for data in our rating label is as per safety regulation: EN 60335-2-40
3. Current & Fuse : F2L250V or T2L250V

- ➔ This equipment contains fluorinated greenhouse gas R-410a.
- ➔ The fluorinated greenhouse gas is contained in a hermetically sealed equipment.
- ➔ Nature of gas: R410A (HFC32: 50% - HFC125: 50%)
- ➔ Amount of gas : 980g (Equivalent to 2.04624 Ton Co2)
- ➔ Potential global warming (GWP): 2088

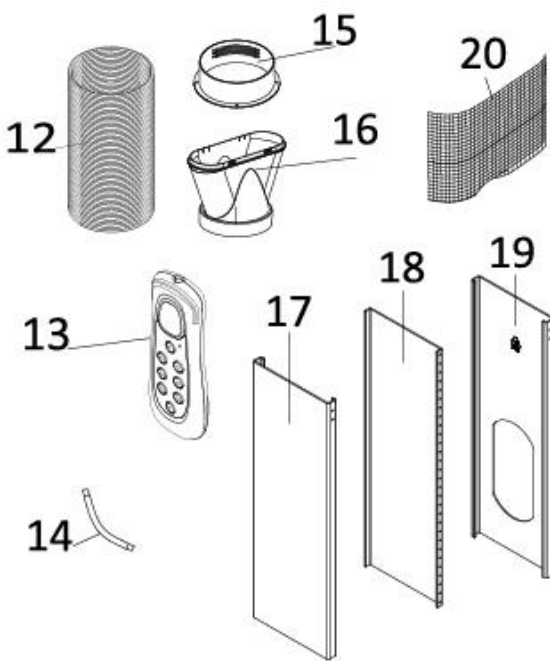
PARTS



- | | |
|--------------------------------|---|
| 1. Control Panel | 7. Exhaust air outlet |
| 2. Air outlet | 8. Cord hanger |
| 3. Side air filter (air inlet) | 9. Drainage knob / drainage point |
| 4. Caster | 10. Handle |
| 5. Handle | 11. Water bottle (for energy efficiency boosting) |
| 6. Air filter (air inlet) | |

Accessories

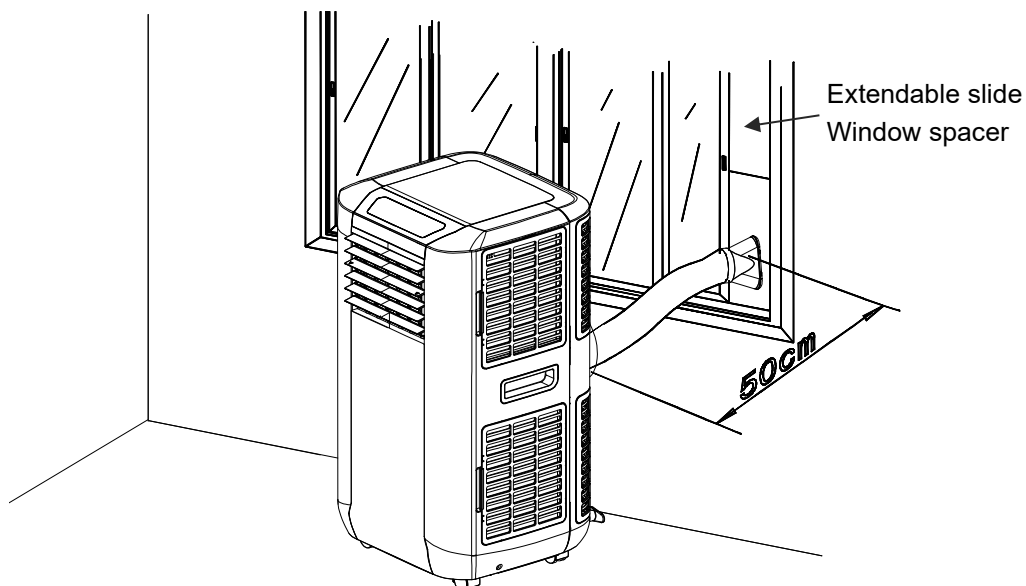
12. Exhaust hose.
13. Remote control
14. Drain tube for continuous drainage
15. Round Adapter –for connecting the unit and the exhaust pipe
16. Flat Adaptor – for connecting the exhaust pipe and the window spacer
17. Window spacer - for filling the open window space
18. Window spacer - for filling the open window space
19. Window spacer - for filling the open window space and with hole for connection to exhaust hose
20. Active carbon filter



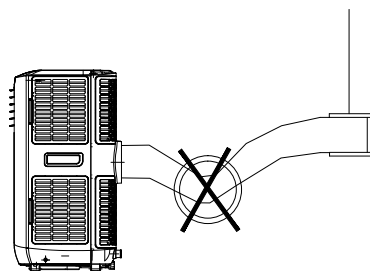
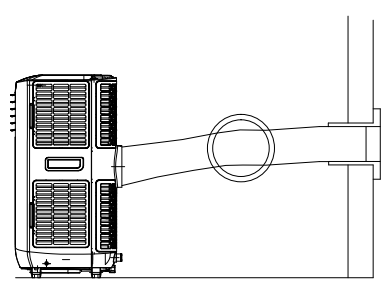
INSTALLATION

The unit is a portable air conditioner that may be moved from room to room.

1. Using the supplied window spacer



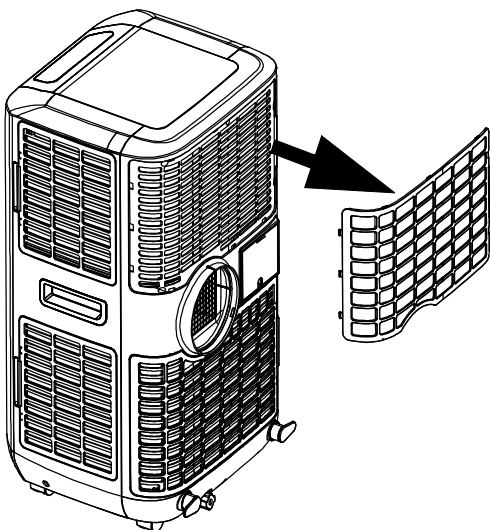
- Offer window spacer to the window gap and adjust the length as you need.
- Feed exhaust hose through the window spacer and slide window across so that spacer is held securely. This technique may also be used for sash windows. Note: Take care to maintain protection against intruders
- Use only the hose provided and clip exhaust hose and unit adaptor to the back of the air conditioner
- Avoid kinks and bends in the exhaust hose as this will cause expelled moist air to build up causing the unit to overheat and shut down.
- The hose may be extended from 300mm to 1500mm but for maximum efficiency use the shortest length possible.



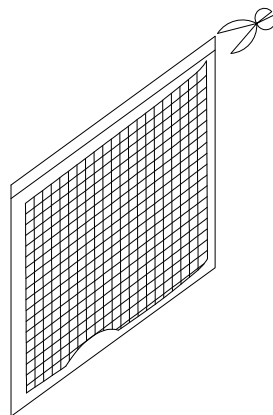
Installation of the carbon filter

This machine is equipped with the active carbon filter. The activated carbon is charcoal that has been treated with oxygen to open up millions of tiny pores between the carbon atoms. It is used to get rid of unwanted odors (smoke, fumes, and animal odor). Please note, the carbon filter is not washable, its life span is variable and depends on the ambient conditions where the unit is used. The filter should be checked periodically and replaced if necessary (normally, it's 6 months), below is the installation of the active carbon filter along with this unit:

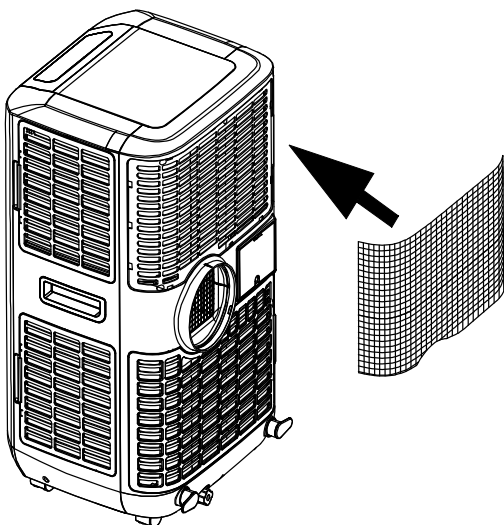
1. Separate the filter frame the unit.



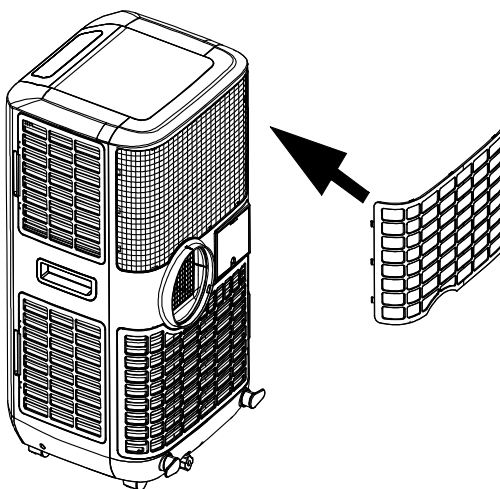
2. Take out the carbon filter from its bag.



3. Apply the carbon filter on the unit.

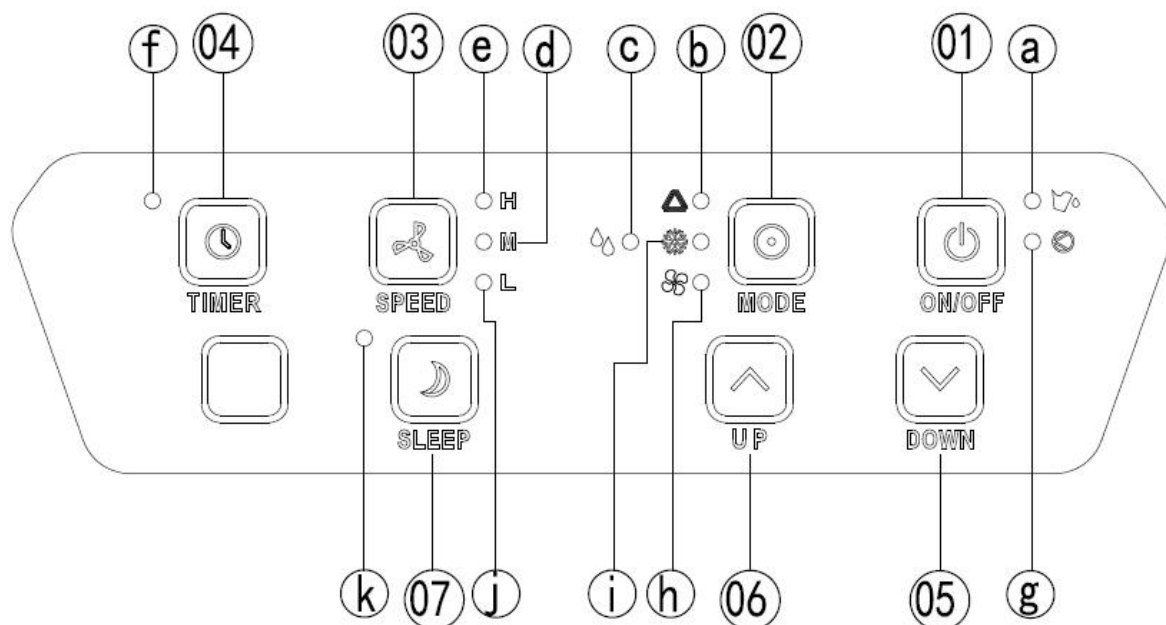


4. Fix back the filter frame on the unit.



OPERATION

Control panel with press button



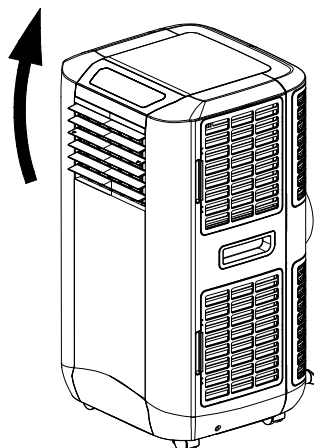
- | | |
|-------------------------------|------------------------------------|
| 1. ON/OFF (POWER) button | a. Water full indicator |
| 2. MODE button | b. AUTO mode indicator |
| 3. SPEED (ventilation) button | c. DEHUMIDIFY (DRY) mode indicator |
| 4. TIMER button | d. Medium fan speed indicator |
| 5. TEMPERATURE DOWN button | e. High fan speed indicator |
| 6. TEMPERATURE UP button | f. Timer indicator |
| 7. SLEEP button | g. Compressor operation indicator |
| | h. FAN mode indicator |
| | i. COOL mode indicator |
| | j. Low fan speed indicator |
| | k. Sleep mode indicator |

BEFORE USE

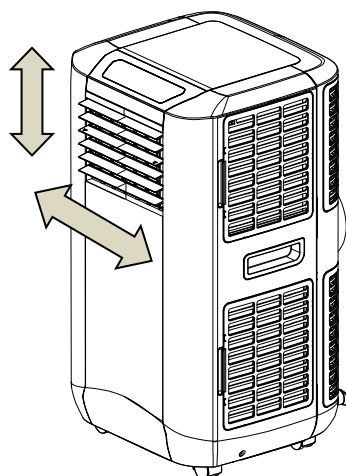
- Check that the Exhaust Hose has been mounted properly (see 'Installation' section). If the exhaust Hose is not correctly used, hot air will blow back into the room you are trying cool
- Check that the drain plug at the bottom rear of the unit is securely plugged in, to prevent water leaks (see page 13 – Water Drainage)
- Check that the local mains power matches that shown on the rating label of the unit
- Check that the location of the unit is suitable (flat, stable surface; away from sources water / heat)
- If the unit has recently been transported, let it stand for 1 hour to allow the contents to settle

OPEN & ADJUST THE MAIN AIR VENT

Before using the unit, you must open the horizontal louver!



Adjust the louvers to your desired direction



TURNING ON/OFF

Touch ON/OFF button, the unit will start in AUTO (automatic) mode.

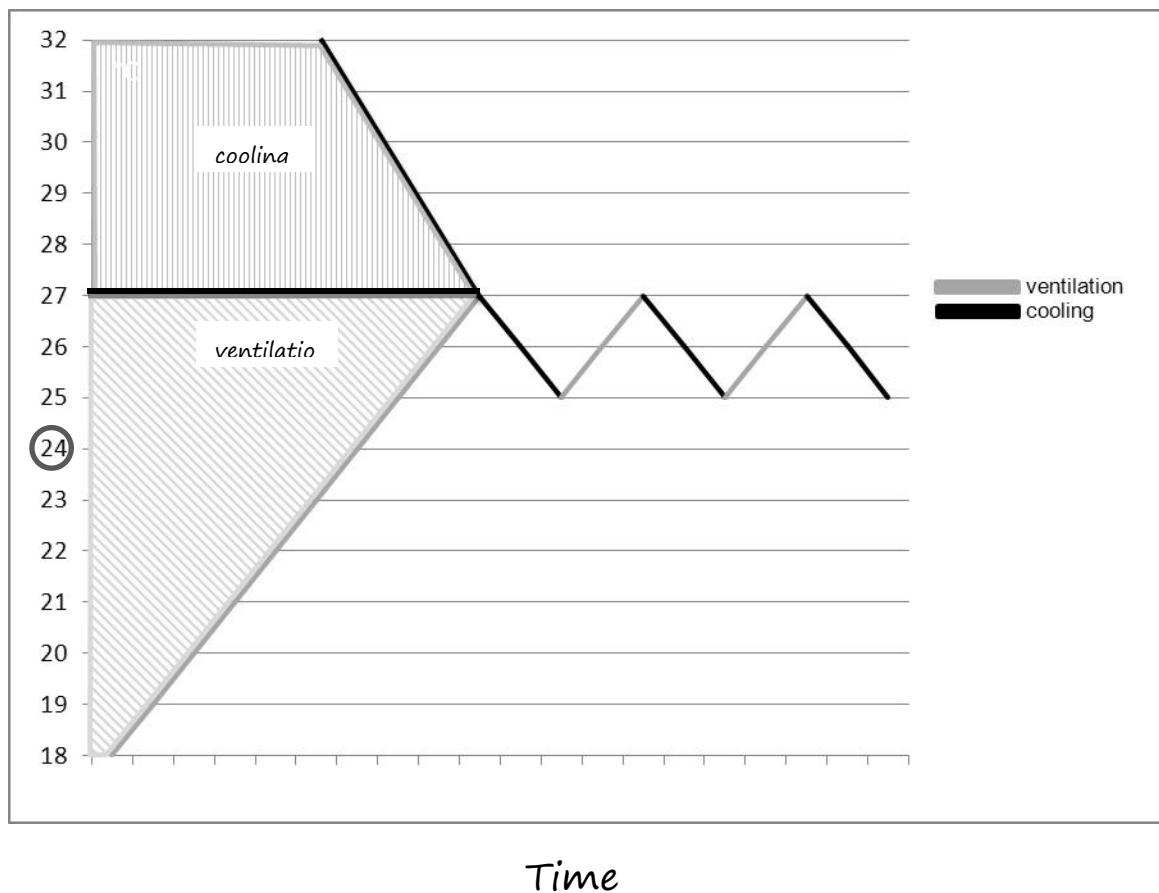
Automatic mode

In automatic mode, the unit can cool or ventilate depending on ambient temperature and setpoint adjustment. The unit is preset as follows:

1. **If ambient temperature is $> 23^{\circ}\text{C}$** , the unit will be in automatic cooling mode. Default setting 24°C . During this operation, the indicator for AUTO and COOL mode light up.
2. **If the ambient temperature is $< 24^{\circ}\text{C}$, but $> 20^{\circ}\text{C}$** , the unit will work in ventilation mode. During this operation, the indicator for AUTO and FAN mode light up.

Setpoint setting in automatic cooling mode $18\text{-}32^{\circ}\text{C}$

If you set the setpoint at 24°C the unit starts to cool at 27°C (Setpoint + 3°C). It cools down to 25°C (Setpoint + 1°C) and then switches back to the ventilation.



Setting mode/function

Press MODE button to select required working mode: automatic, cooling, fan or dehumidify (dry). Sign of your selected mode comes on.

Setting temperature

1. Press 'Temperature up' or 'Temperature down' button to regulate the temperature you desired.
2. The display window will show the temperature you set as you press 'Temperature up' or 'Temperature down' button. Otherwise, it will always show the ambient temperature.
3. The pre-setting temperature of this machine is: 24°C for cooling.

Setting ventilation speed

Press SPEED button to choose the ventilation speed you need, high, medium or low. The sign of high, medium or low ventilation will light on at the same time.

Setting timer

1. Press TIMER button to set the operating hours you desired (1 to 24 hours, the sign of timer will light on). When the set time has been reached, the machine will turn off automatically. The display window will show the hour(s) you set as you press TIMER button. If the timer button is not pressed, the unit will work continuously.
2. By pressing the timer but without turning on the other functions, you can PRE-SET the time for the machine to work. For example, if you press the timer to '2', the unit will work automatically after 2 hours.

Sleep function

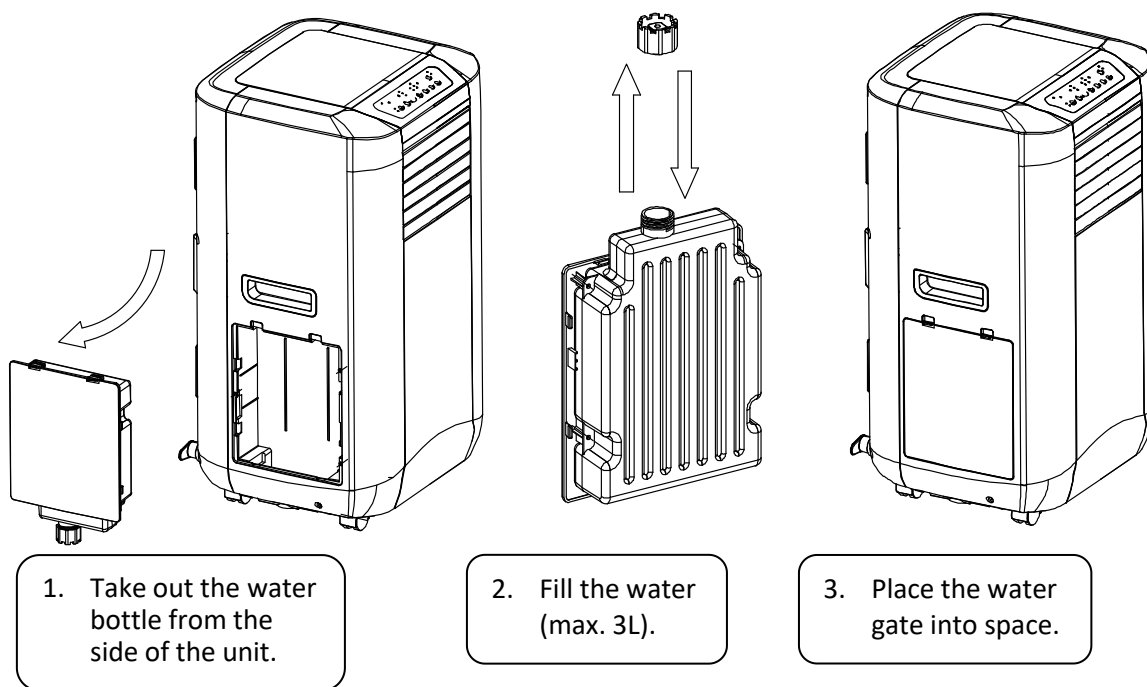
1. In cooling mode, by pressing the SLEEP button, the set temperature will increase 1°C at the 1st hour, another 1°C at the second hour, then keeps at that temperature.
2. In sleep mode, the ventilation will keep at low speed. Re-press the SLEEP button, the setting temperature and ventilation speed will return to the pre-selected one.
3. The unit will shut down automatically after the SLEEP function running for 12 hours.
4. ***Please note, the sleep function is not available while the machine is working in ventilation, dehumidification or auto mode. Only available in Cooling mode.***
5. ***When the machine is in Sleep function, the Fan Speed would turn to be LOW speed.***

Dehumidify (DRY) mode

In dehumidify (DRY) mode, the temperature cannot be adjusted, the ventilation will fix at low speed. When the unit is operating in Dehumidify (DRY) mode, humidity extracted from the air is collected in an internal tank. If the tank reaches full, the compressor and motor cut out automatically. At the same time, the "Water Full" indicator comes on. An alarm will also sound. When the tank is full, drain the water as shown in the page concerning "DRAINAGE". You may also use the unit without having to empty the tank so often by using "continuous drainage", please also refer to the page about "DRAINAGE".

EFFICIENCY BOOSTING

This unit is equipped with “energy efficiency boosting” function, by adding water (3L max.) to the water gate at the side of the unit, the energy efficiency can be elevated. The principle is: while the machine is working, the condenser will be getting hot, if you add the water into the unit after the unit has been worked for more than one hour, the water will cool down the condenser, thus it consumes less power, i.e. saving energy.



NOTE

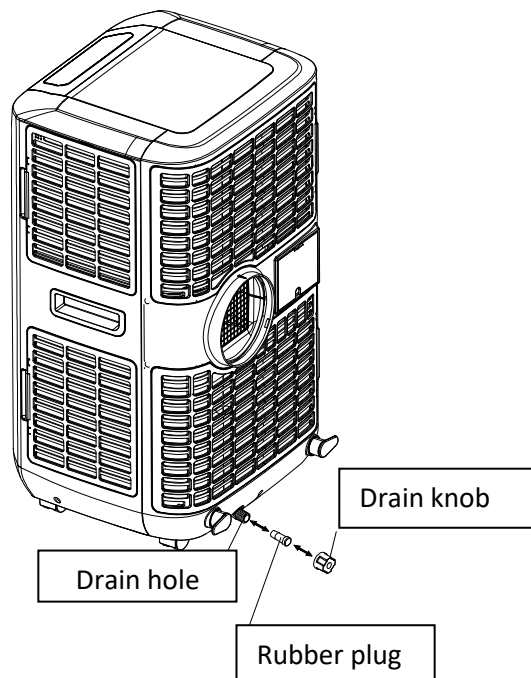
- 1. This efficiency feature by adding water is proposed to do after one hour operation and the water should NOT be over 3L, otherwise, the “water full” indicator will light in red and the unit will stop working.**
- 2. In case the “water full” indicator is in red, please drain the water from the drain point at the back side of the unit until the red light goes out. The unit should work again now.**

IMPORTANT !

- 1. To prolong the compressor's life, after switch-off of the unit, please wait for 3 minutes (at least) before re-switch.**
- 2. The cooling system will switch off if the ambient temperature is lower than the set one. The ventilation, however, keeps working on the set level. If the ambient temperature rises above the selected level, the cooling will return to work.**

DRAINAGE

When the unit is operating in Cooling or Dehumidify (DRY) mode, humidity extracted from the air is collected in an internal tank. If the tank reaches full, the compressor and motor cut out automatically. At the same time, the “Water Full” indicator comes on. An alarm will also sound. When the tank is full, carry out the following instructions:

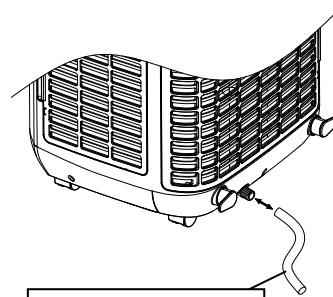


1. Turn off the air conditioner and avoid moving it when full.
2. Position a container (a water tray for example) underneath the drain hole.
3. Remove the drain knob & rubber plug from the drain hole and allow the water to drain out.
4. When the container is almost full, replace the rubber plug in the drain hole and empty the water tray.
5. Repeat until the unit is emptied.
6. Replace the rubber plug and tighten the drain knob firmly.
7. Switch on the unit - the full water or compressor operating indicator should not be flashing.

Should you prefer to use the appliance without having to empty the tank every so often, proceed as follows:

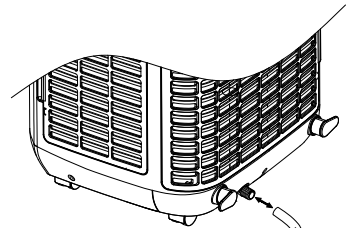
- Remove the drain knob and rubber plug and retain for future use.

- Connect the drain tube supplied to the water outlet as shown and locate the other end into a drain.



Originally
supplied drain
tube

- The drain tube may be extended by adding an extension tube and using a suitable connector.



Originally
supplied drain

Extended drain tube
(outer diameter:
18mm)

Please note

1. The drain must be at a lower level than the drain hole on the unit.
2. Flashing 'Water Full' indicator will not function in this mode of drainage.
3. If you want to extend the water tube, you can connect it with another tube (OD: 18mm).

*The extended tube is NOT supplied along with the unit.

MAINTENANCE

Always unplug the air conditioner from the mains before cleaning.
To maximize the efficiency of the air conditioner, clean the unit regularly.

Cleaning the housing

Use a soft, damp cloth to wipe the body clean.

Never use aggressive chemicals, gasoline, detergents, chemically treated cloths, or other cleansing solutions. These all could possibly hurt the cabinet.

Cleaning the filter

Use a vacuum cleaner or tap the filter lightly to remove loose dust and dirt from the filters and then rinse thoroughly under running water (no hotter than 40°C).

Dry thoroughly before replacing.

Notice! Never operate the unit without the filters.

End of season storage

- Drain any water in the unit before completely operating the unit on ventilation only mode for a few hours, to thoroughly dry the inside.
- Clean or change the filter
- Unplug and store the power cord on the cord hanger.
- Replace in the original carton or cover for storage.

SELF-DIAGNOSIS

This machine is equipped with self-diagnosis function. If something is wrong in the machine, the LED will show the word "E1".

- E1 means the sensor wire for room temperature does not connect well (this wire is located in the center of the evaporator).

As this time, please call your service centre. Please **DO NOT** dismantle the machine by yourselves in any case.

All the above functions can also be performed with the supplied remote control.

This remote control requires 2 pcs AAA batteries to operate (*battery is not supplied along with the unit*).



FAULT CHECK LIST

The air conditioner does not run	<ul style="list-style-type: none">• Is the air conditioner plugged in?• Is there a power failure?• Is the 'full water' indicator flashing?• Is the room temperature below the set temperature?
The machine seems to do little	<ul style="list-style-type: none">• Is there direct sunshine? (Please put down the curtain.)• Are too many windows or doors open?• Are there too many people in the room?• Is there something in the room producing lots of heat?
The machine seems to do nothing.	<ul style="list-style-type: none">• Is the filter dusty, contaminated?• Is the air intake or output blocked up?• Is the room temperature below your selected temperature?
Too noisy	<ul style="list-style-type: none">• Is the machine positioned unevenly so as to create vibration ?• Is the floor underneath the machine uneven?
The compressor doesn't run.	<ul style="list-style-type: none">• If so, it is possible the overheat protection of the compressor is on. Just wait for the temperature to drop.

TECHNICAL SUPPORT / CUSTOMER SERVICE CONTACT

If you require Technical Support or Customer Service please contact us in the following way: -

Email: sales@climachill.co.uk

Telephone: 01273 803820

