

omega
altise

**PORTABLE AIR-CONDITIONER
APC15 & APC15RC**



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Important Safeguards

1. Read all instructions.
2. Disconnect the power plug before dismantling, assembling or before cleaning.
3. Avoid touching mobile parts of the appliance.
4. Never insert fingers, pencils or any other objects though the guards whenever the power plug is connected, especially while running.
5. The appliance is not intended for use by young children or infirm persons unless they have been adequately supervised by a responsible person to ensure that they can use the unit safely.
6. Young children should be supervised to ensure that they do not play with the appliance.
7. Do not use the appliance for any other purpose than its intended use.
8. The appliance must not be used if the guards are not fastened according to instructions.
9. When the power cord is damaged, it must be replaced by the manufacturer or its service agent or a similarly qualified person in order to avoid a hazard.
10. Do not use your appliance with an extension cord unless it has been checked and tested by a qualified electrician or electrical supplier.
11. Return to MEA or authorised service agent.
12. **The air conditioning unit must always be stored and transported upright, otherwise you may cause irreparable damage to the compressor; in case of doubt we suggest to wait for at least 24 hours before you start the air-conditioning unit.**
13. Avoid restarting the air conditioning unit unless 4 minutes have passed since being turned off, or the compressor may get damaged.
14. Never use the mains plug as a switch to start and turn off the air conditioning unit. Use the provided ON/OFF switch located on the control panel.
15. Always place the portable air conditioner on a dry stable surface.

Introduction

Thank you for choosing an omega altise portable air conditioner. This manual contains information, regulations and warnings which are of fundamental importance if the appliance is to be installed correctly and the highest performance, in the safest possible conditions, is to be obtained. We suggest that you read the manual carefully before installing or starting up the unit.

This portable air-conditioning unit is of the mono tube type, is conveniently transportable (on wheels) with an air operating system for domestic use. This unit has the following settings for ease of use:

- Ventilate;
- Cool;
- Dehumidify; and
- Heating (APC15RC only).

The ventilation mode “moves” the air allowing for the recycling of air much like a general fan.

The cooling mode uses a refrigerated circuit (compressor) to cool the room by transferring the heat from the inside to the outside through the air exhaust hose and cooling the air that it returns to the room.

The dehumidify mode can be used to remove excess moisture in the air. This mode can be used by itself, but also works to dehumidify the room while in cooling mode.

The heating mode makes the unit a “true reverse cycle” unit using a compressor to warm the room by transferring the cool air from inside to outside through the air exhaust hose and warming the air that it returns to the room.

Features of your new Portable Air-Conditioner

- No costly installation required.
- Easily moved with castors and handle.
- Control panel with LCD display.
- Remote control.
- Low noise and strong breeze.
- Auto swing for better air movement.
- On/off timer function.
- Three-minute restart delay to protect compressor.

Energy Saving Tips

1. Do not cover or restrict the airflow from the Outlet or Inlet grilles.
2. The minimum distance from furniture and walls should be 50cm.
3. Keep blinds and /or draperies, on any windows, closed during the sunniest part of the day.
4. Keep the filters clean. Under normal conditions, the **filters should be cleaned approximately every 2 weeks** (please see the maintenance section for further instructions). Since the filters remove airborne particles, more frequent cleaning maybe necessary, depending on the indoor air quality and if you have pets inside the home.
5. Set the fan speed switch to high cool and the thermostat to the coolest position for the initial start-up, then set the Fan switch to Low cool and lower the thermostat to a comfortable setting.
6. Ensure all windows and doors to the room you are operating the unit in are closed.

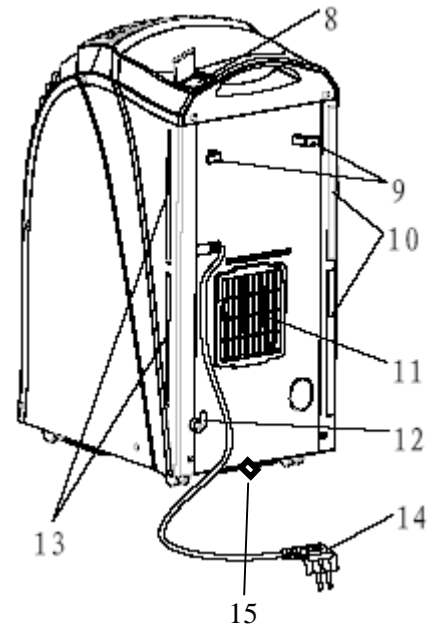
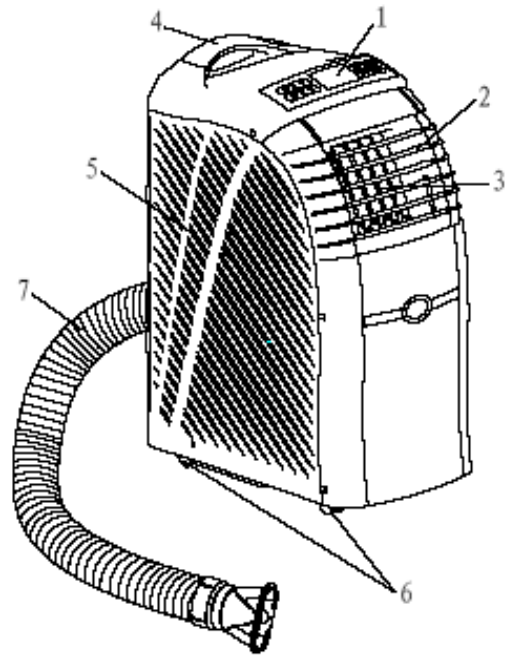
Specifications

Model		APC15	APC15RC
Capacity	Cooling (BTU / kW)	15,000 / 4.4	15,000 / 4.4
	Heating (BTU / kW)	-	16,000 / 4.7
Power consumption	Cooling (kW)	1690	1690
	Heating (kW)	-	1550
Air volume (max setting) (m3/h)		550	550
Humidity removal capacity (L/day)		36	36
Power supply (V/Hz)		240/50	240/50
Compressor		Rotary	Rotary
Refrigerant		R407c	R407c
Fan speed settings		3	3
Timer (hr)		24	24
Thermostat (°C)		18 – 30	18 – 30
Controls		Electronic / Remote	Electronic / Remote
Aqua Chill		Pump over	Pump over
Water injection tray		Yes	Yes
Water full alarm		Yes	Yes
Water drainage		Yes	Yes
Directional louvres		Yes	Yes
Louvre auto swing		Yes	Yes
Plastic window kit		Yes	Yes
Approx. application area (m2)		20 – 28m2	20 – 28m2
Noise level (dB(A))		50	50
Dimension (wxdxh mm)		610 x 380 x 830	610 x 380 x 830
Net weight (kg)		41	41
Storage Tank Capacity		8.5L	8.5L
Lower Storage Tank Capacity		3.0L	3.0L
Self-diagnosis		YES	YES

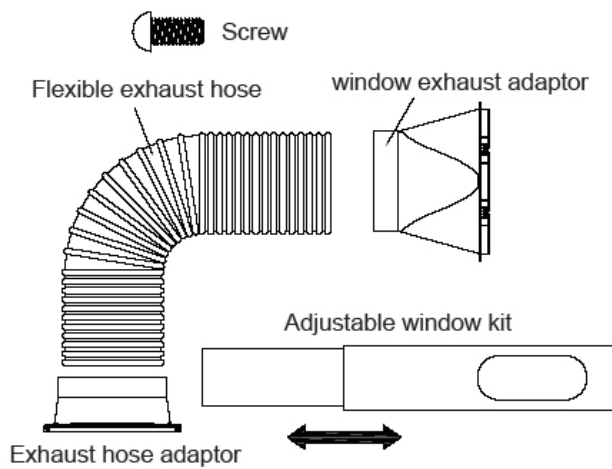
NB: The above specifications are correct at time of printing. However, due to our policy of development and improvement, we reserve the right to modify technical data without prior notice.

Parts List

1. Control panel
2. Horizontal louvre
3. Vertical louvre
4. Handle
5. Air inlet grille
6. Castors (4)
7. Flexible exhaust hose
8. Water injection port
9. Power cord storage hooks
10. Air filter
11. Air outlet grille
12. Drain outlet for water storage tank
13. Water storage tank
14. Power cord
15. Drain outlet for lower water tank



Accessories



Installation

- Before you use this unit please ensure it has been kept upright for at least 24 hours.
- The unit should be installed in a flat dry place.
- Leave at least 50cm space around the unit (Fig. 1).
- To one end of the flexible exhaust hose screw on the exhaust hose adapter, on the other end screw on the window exhaust.
- Fix the exhaust hose adapter to the air outlet grille (11) at the back of the unit as shown in Fig. 2.

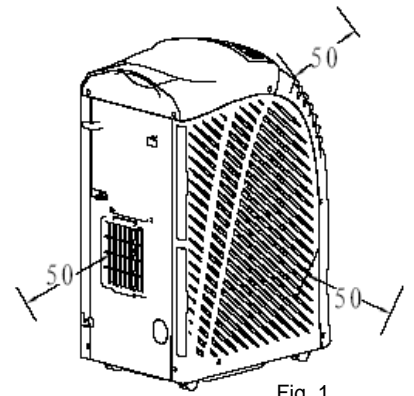


Fig. 1

Window Installation

- The window kit has been designed to fit most standard vertical (Fig. 3) and horizontal (Fig. 4) windows.
- However, it may be necessary for you to modify some aspects of the installation procedures for certain types of windows.
- Once the window kit is in place, simply snap the window exhaust adapter into the hole provided on the window kit. You are now ready to use your portable air conditioner.

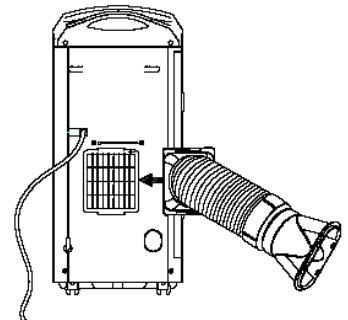


Fig. 2

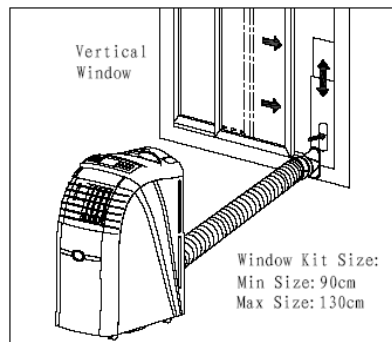


Fig. 3



Fig. 4

Permanent installation

- Fix the exhaust hose adapter to the exhaust terminal of the unit and screw in the exhaust hose.
- Make a round hole with the diameter more than 120mm, then input and fix the window kit adaptor.
- Fit a covered round adapter on the flexible exhaust duct.

Please note that the round adapter required for permanent installation is available as an accessory. Contact us on 1300 739 033 for your nearest Authorised Service Centre.

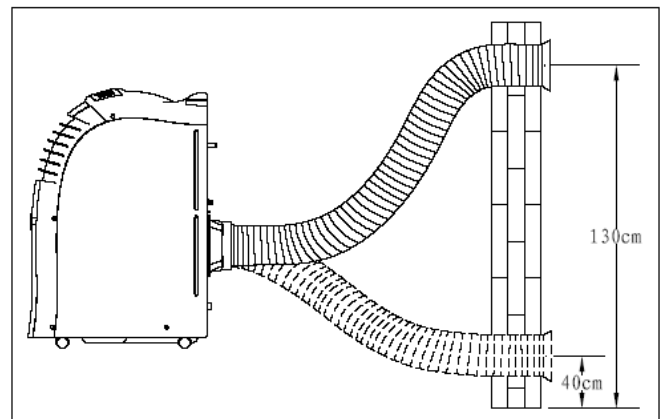


Fig. 5

Mounting of the flexible exhaust hose

- The bend of the exhaust pipe is very important.
- Take care to prevent any sharp bow or bend in the exhaust.
- The exhaust air must flow freely otherwise the performance of the portable air conditioner may be adversely affected or the unit may malfunction.
- Figure 6 and Figure 7 show correct mounting of the flexible exhaust hose. Figure 8 shows the incorrect mounting of the flexible exhaust hose

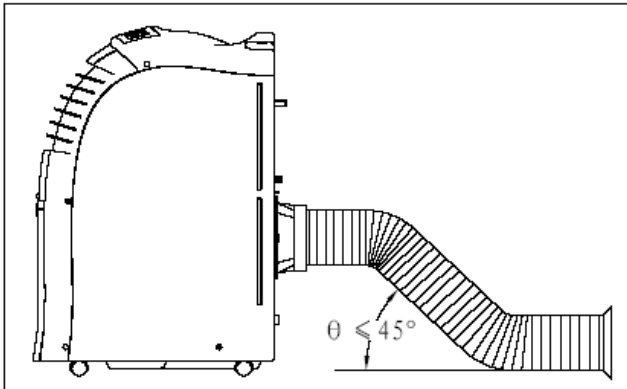


Fig. 6

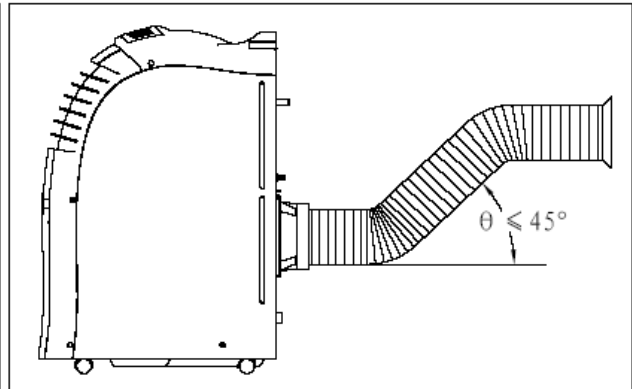


Fig. 7

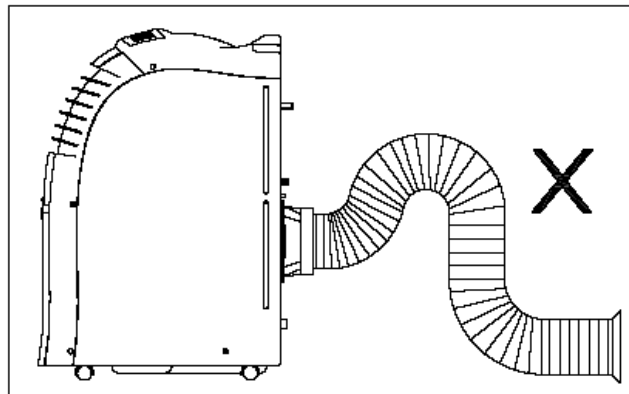


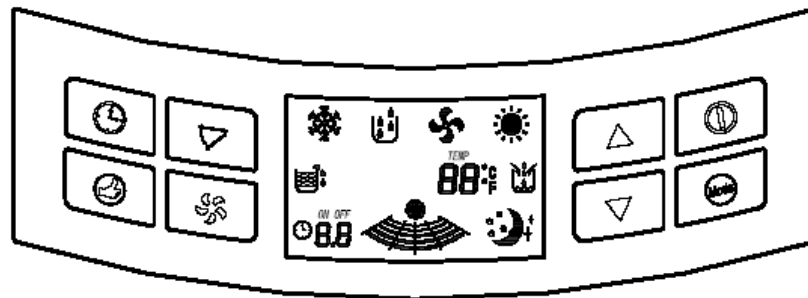
Fig. 8

NOTE: The length of the flexible exhaust hose can be extended up to approx 150cm. We suggest using the minimum length of exhaust duct for maximum performance.

This length has been designed according to the specifications of the air conditioner. Do not use an extension or exchange with a different hose as that may lead to malfunction.

Do not use the unit in the bathroom or other humid environments.

Control Panel



Key Functions



ON/OFF: Press this button to turn the unit on or off.



MODE: Press this button to select COOL, HEAT (APC15RC only), DRY or FAN mode.



UP & DOWN: Press up or down buttons to set the desired temperature or adjust the time in Timer mode. To change the display from Fahrenheit to Celsius, press both up and down buttons at the same time.



SWING: Press this button to make the vertical louvre swing automatically. Press once again to stop the louvre from swinging.



SPEED: Press this button to select high, medium or low fan speed.



TIMER: Press this button to set timer-on, timer-off or no-timer.



ECON: Press this button to set the unit into energy saving mode (only in heat or cool modes). The temperature is permanently set at 27°C in cool mode, 23°C in heat mode and the fan speed is set on low. These cannot be changed in ECON mode. The LED display will flash ❄️ or ☀️ accordingly. Press the ECON button again to cancel.

LCD Display



Cool mode indicator.



Dry mode indicator.



Fan mode indicator.



Heat mode indicator (on DAC15HH model only).



Water full indicator.



Displays temperature setting in cooling and heating modes and ambient room temperature in fan and dry modes. °C indicates Celsius and °F indicated Fahrenheit. This display will also show self-diagnosis codes (please refer to trouble shooting section).



Water injection indicator.



Indicates timer-on or timer-off is set.

















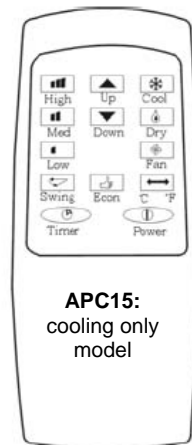
Indicates fan speed with or without louvre swing.



Indicates energy saving status (only in heat and cool modes).

Remote Control





-  **Power** Press this button to turn the unit on/off.
-  **Timer** Press this button to set the timer.
-  **Swing** Press this button to make the vertical louvre swing automatically
-  **°C °F** Change the temperature display from Celsius to Fahrenheit.
-  **Cool** Press this button to choose Cool mode.
-  **Heat** Press this button to choose Heat mode (DAC15HH model).
-  **Dry** Press this button to choose Dry (dehumidifying) mode.
-  **Fan** Press this button to choose Fan mode.
-  **Up** Press Up or Down button to set temperature
-  **Down** or adjust the time in Timer mode.
-  **High** Press this button to select high fan speed.
-  **Med** Press this button to select medium fan speed.
-  **Low** Press this button to select low fan speed.
-  **Econ** Press this button to set energy saving mode (only in Cool and Heat mode).



Operating Instructions


Fan Mode

The Fan or ventilation mode “moves” the air allowing for the recycling of air much like a general fan.

- Press **MODE** button or  to choose Fan mode.
- Press **SPEED** button or    to select the fan speed.
- The temperature and humidity cannot be set.








Dry (Dehumidifying) Mode

In this mode the compressor will operate but will not work to lower the room temperature. It works only to remove excessive humidity present in the air.

- Do not use the flexible exhaust tube, adaptors or adjustable window kit.
- Press **MODE** button or  to choose Dry mode.
- The fan speed and room temperature cannot be adjusted.
- LED display will show ambient room temperature.
- When the water tank is full, the **WATER FULL** indicator will illuminate and the compressor will shut off automatically. The fan will remain circulating the air. At this time, you must empty the water tank as described in the drainage section.

Cool Mode








The cooling mode uses a refrigerated circuit (compressor) to cool the room by transferring the heat from the inside to the outside through the air exhaust hose and cooling the air that it returns to the room.

- Press **MODE** button or / to choose Cool mode.
- Press **UP** or **DOWN** buttons or / to set the desired temperature between 18-30°C.
- Press **SPEED** button or    to select the fan speed.
- In Cool mode you can also select the **ECON** mode which will automatically set the temperature to 27°C and operate on a low fan speed.
- In Cool mode the unit will use Aqua Chill technology to improve the cooling efficiency of the unit. See the Aqua Chill section for further details.


Please Note: The temperature adjustment setting is not a direct correlation to the ambient room temperature. For example, adjusting the setting to 18°C will not necessarily bring the ambient room temperature down to 18°C.

Heat Mode (APC15RC only)

The heating mode makes the unit a “true reverse cycle” unit using a compressor to warm the room by transferring the cool air from inside to outside through the air exhaust hose and warming the air that it returns to the room.

- Press **MODE** button or / to choose Heat mode.
- Press **UP** or **DOWN** buttons or / to set the desired temperature between 18-30°C.
- Press **SPEED** button or    to select the fan speed.
- In Heat mode you can also select the **ECON** mode which will automatically set the temperature to 23°C for heating and operate on a low fan speed

Swing Mode

- Press **SWING** button or  to make the vertical louvre swing for oscillation.
- The horizontal louvre can be adjusted by hand.

Timer – On

- When the unit is switched off, press **TIMER** button to set timer-on.
- The LED will flash “ - - ” 5 times. During this period press **UP** or **DOWN** buttons to adjust the time from 0.5h to 24h.
- Time will vary 0.5h each press in the first 3 hours and 1 hour each time thereafter.
- The set time will flash 5 times after adjusting.
- At this stage also select the mode/settings that you wish the unit to turn on with.
- When the set time is reached the unit will turn on automatically.

Timer – Off

- When the unit is operating press the **TIMER** button to set timer-off.
- The LED will flash “ - - ” 5 times. During this period press **UP** or **DOWN** buttons to adjust the time from 0.5h to 24h.
- Time will vary 0.5h each press in the first 3 hours and 1 hour each time thereafter.
- The set time will flash 5 times after adjusting.
- When the set time is reached the unit will turn off automatically.

NOTE: When the timer is on you can check the remaining time by pressing the **TIMER** button. It will flash five times. Press the **UP** or **DOWN** buttons to adjust the set time. The set time can also be cancelled by pressing the **TIMER** button again while it is flashing.

Timer-on and Timer-off modes can not be set to function at the same time.

Aqua Chill Technology

When operating in Cool Mode this unit uses a self-evaporative system that extracts water from humid environments and collects it in an internal water tank.

Once sufficient water is collected it is recycled over the condenser, assisting to cool the condenser and internal refrigerant gas faster than only air. Cooler condenser and refrigerant, means improved cooling efficiency and performance of the unit.

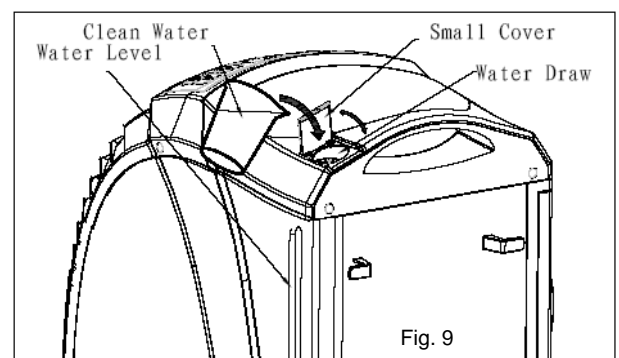
Some of the water recycled over the compressor is evaporated and expelled from the machine as water vapour through the flexible exhaust hose.

During very humid conditions the collection of water may be in excess of the evaporation rate and the internal water tank may become full and cause the float and micro switch inside the water tank to trigger the **WATER FULL** indicator. In this instance the compressor will shut off automatically, and the fan motor will stay circulating the air. A buzzer will sound every 5 minutes until the water tank is drained (refer to the drainage section).

Adding Water

To utilise the full potential of the cool mode of your portable air-conditioner, we recommend approx 1800mls of water be added to the water injection port (located to the right of the handle) just prior to initial start up.

Normally an adequate quantity of water is collected to keep the recycling process operating. However, if there is insufficient condensing water for the Aqua Chill function to start, the **Water Injection** indicator on the control panel will illuminate. When this occurs, pour approx 1800mls of water into the water injection port (see Figure 9.) and the water injection indicator will turn off.



In high temperatures (over 30°C) or dry climates, adding water to commence the Aqua Chill mode will greatly assist the efficiency and operating temperature of the unit, but is not critical to the functioning of the unit.

Please ensure that you do not over-fill the unit or the water tank full indicator may be triggered.

Do not fill the water injection port while in dry, fan or heat modes.

Please Note: Adding water is not a requirement for this unit to function normally. If you choose not to add water to this unit it will not adversely affect the warranty or its regular performance.

Water Drainage

When the water tank is full, the **WATER FULL** indicator will illuminate and the compressor will stop working. A buzzer will sound 10 times every 5 minutes until the water is below the high level or drained.

Before you empty the unit you will need to:

1. Turn the unit off and pull the plug out of the power supply.
2. Place a water tray or pan under the drainage port. (Fig. 10)
3. Remove the plug on the drainage port into and drain into the vessel beneath.
4. Once drained, replace the plug into the drainage port.
5. Plug the unit back in and switch it on. The compressor will delay restarting for three-minutes and then continue to work as normal.

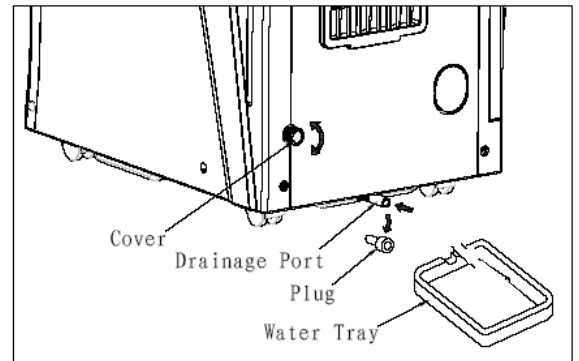


Fig. 10



Important! It is recommended that you do not move the unit around without firstly draining the internal tank. If water is left in the unit then it may spill out onto the floor or carpet.

Maintenance

Cleaning

Turn off the unit and pull the plug out of the socket before cleaning.

1. Clean the surface

- Clean the surface of the unit with a duster or a damp soft cloth.
- Do not use chemical solvent like benzene, alcohol, gasoline and etc, or the surface may be damaged.

2. Clean the air filter

- The air filter should be cleaned every two weeks
- If the air filter is blocked with dust the efficiency of the unit will be reduced.
- To clean the air filters
 1. Pull out the air filters as shown in Figure 11.
 2. Wash the air filter by immersing it gently in warm water (under 40°C or 104°F) with neutral detergent.
 3. Rinse the filter and dry it in a shaded place.
 4. Push the air filter back into the original position.
 5. Alternatively suction the filters using a vacuum cleaner with the dusting brush attachment to remove any build up of dust or debris on the filters.

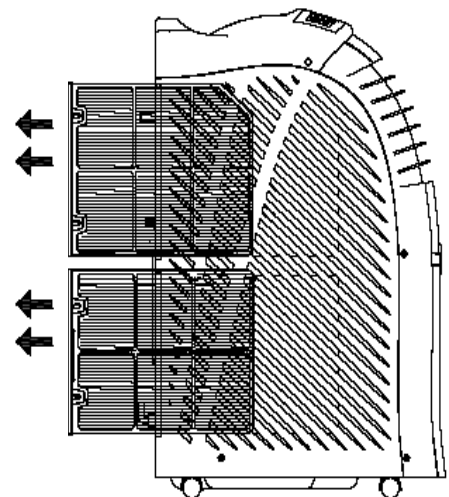


Fig. 11

3. End of Season

- Pull out the plug from the drain outlet and remove any water from the internal bottom water tank. You can remove the water entirely by slanting the unit backwards.
- Run the unit in Fan mode for several hours to ensure the inside of the unit is dry.
- Switch off the unit and disconnect the plug from the power supply.
- Remove the flexible exhaust duct and adapters and keep stored in a safe dry place.
- Take the batteries out of the remote control and keep in a dry place.
- Wrap the unit with the plastic bag, and keep it in a dry place.

Trouble Shooting

Before contacting a professional please read the following troubleshooting guide.

Issue	Reason	Solution
The unit does not work	No power supply	Check the unit is plugged in properly, turn the power on and turn the unit on.
	The LCD is flashing P2 .	Turn the power off, drain the water tank and restart the unit.
	Timer function is active	Cancel timer function.
The unit does not seem to perform	In direct sunlight	Draw the curtains
	Windows/doors open, many people or a heat source in the room.	Close windows/doors; remove the heat source if possible.
	Dirty filter.	Clean the air filter(s).
	Air inlet or air outlet is blocked.	Remove any blockage.
	Ambient room temperature is lower than the selected value.	Change your temperature selection.
The unit is noisy	The unit is not on a hard or flat surface.	Place the unit on an even, solid surface (less vibrations)
	The unit is on a tiled surface	Mount the unit on a rubber or carpeted base.
The compressor does not work	The overheat protection may be activated.	Turn the unit off, wait 3 minutes until the temperature has decreased, then turn the unit on again.
The unit starts and stops frequently	The exhaust tube is attached incorrectly or is bent.	Set the exhaust tube correctly as indicated in the installation section.
	You have added an extra flexible exhaust hose	Remove the extra hose.
The remote control does not function	Distance is too great.	Make sure the remote control is correctly aimed at the control panel.
	Remote control signal not detected by the control panel.	
	The batteries are drained.	Replace the batteries.
Error code appears	The LCD is flashing E1, E2, E5	Turn the unit off and call your service provider on 1300 739 033.
	The LCD is flashing df - Low temperature / Frost protection	The unit will run in fan mode until the defrosting of any ice is complete.



CAUTION: Switch off the unit and unplug it immediately if anything abnormal occurs. Then contact the omega Altise Customer Care Line on 1300 739 033.



WARNING! Do not attempt to repair the unit yourself. Doing so could void the warranty and cause damage or personal injury.

Omega Altise products are distributed in Australia by MEA, (A Division of Hagemeyer Brands Australia Pty Ltd)

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