

omega
altise

**PORTABLE AIR-CONDITIONER
APC12, APC12RC & APC14**



Contents

Important Safeguards	2
Introduction	3
Features Of Your New Portable Air-Conditioner	3
Energy Saving Tips	3
Specifications	4
Parts List	5
Accessories	5
Installation	6
Control Panel	8
Operating Instructions	8
Aqua Chill Technology	11
Water Drainage	12
Maintenance	13
Trouble Shooting	14

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 through 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. The appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervised or instruction concerning use of the appliance by a responsible person for their safety.
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 (fan);
- Cool; and
- Heat (APC12RC 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 heating mode uses a reversed refrigerated circuit (compressor) to warm the room by transferring the cold from the inside to the 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.
- Electronic control panel.
- Remote control.
- Low noise and strong breeze.
- 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

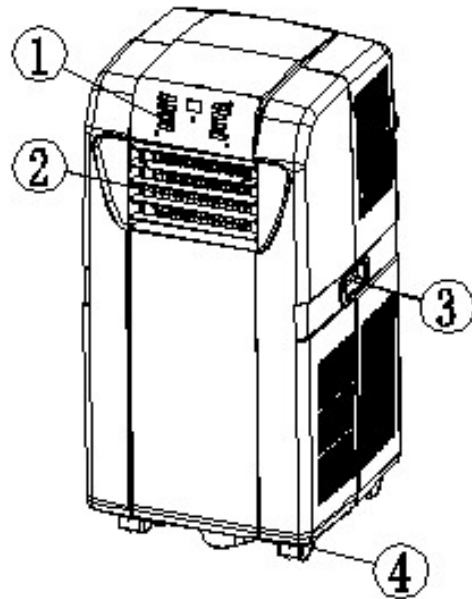
Model		APC12	APC12RC	APC14
Capacity	Cooling (BTU / kW)	12000 / 3.5	12000 / 3.5	14000 / 4.1
	Heating (BTU / kW)	-	12000 / 3.5	-
Power consumption	Cooling (W)	1230	1230	1420
	Heating (W)	-	1056	-
Air volume (max setting) (m ³ /h)		440	440	440
Humidity removal capacity (L/day)		31.2	31.2	33.6
Power supply (V/Hz)		220-240 / 50	220-240 / 50	220-240 / 50
Compressor		Rotary	Rotary	Rotary
Refrigerant		R410A	R410A	R410A
Fan speed settings		2	2	2
Timer (hr)		1 – 24	1 – 24	1 – 24
Thermostat	Cooling (°C)	18 – 32	18 – 32	18 – 32
	Heating (°C)	-	18 – 32	-
Controls		Electronic / Remote	Electronic / Remote	Electronic / Remote
Aqua Chill		Pump over	Pump over	Pump over
Water injection port		Yes	Yes	Yes
Water full alarm		Yes	Yes	Yes
Water drainage		Yes	Yes	Yes
Directional louvres		Manual	Manual	Manual
Louvre auto swing		No	No	No
Plastic window kit		Yes	Yes	Yes
Approx. application area (m ²)		24	24	26
Noise level (dB(A))		65	65	65
Dimension (wxdxh mm)		365 x395 x745	365 x395 x745	365 x395 x745
Net weight (kg)		29	29	30
Lower Storage Tank Capacity		1500ml	1500ml	1500ml
Self-diagnosis		Yes	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

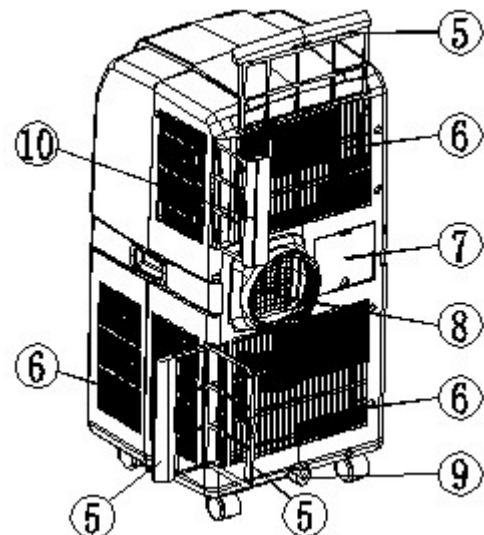
Front

1. Control panel
2. Air outlet grille
3. Carrying handle
4. Castors (4)



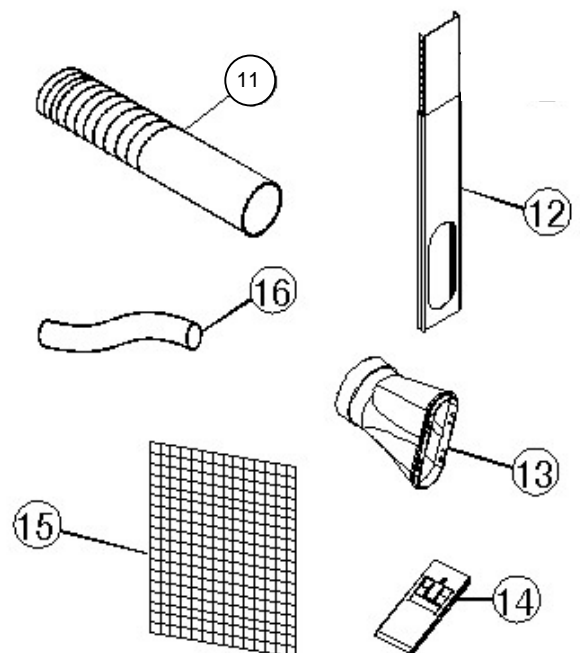
Back

5. Removable air filter
6. Air inlet grille
7. Power cord storage and water injection port
8. Exhaust outlet / adapter
9. Water drainage port
10. Removable air filter



Accessories

11. Flexible hose exhaust
12. Adjustable window kit
13. Window exhaust adapter
14. Remote control
15. Active carbon filter
16. Drainage tube for continuous drainage



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).
- Thread one end of the flexible exhaust hose to the exhaust outlet / adapter. On the other end screw on the window exhaust adapter.

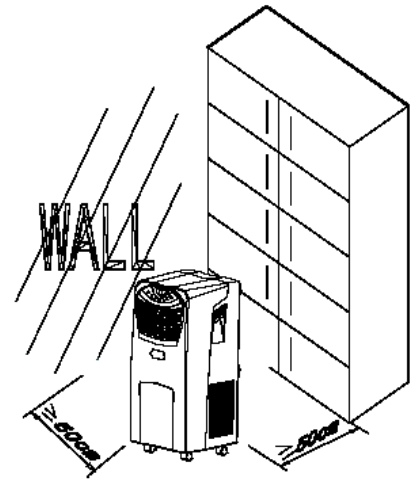


Fig. 1

Window Installation

- The window kit has been designed to fit most standard vertical and horizontal windows.
- However, it may be necessary for you to modify some aspects of the installation procedures for certain types of windows.
- Open the window and insert the window kit to cover the open gap.
- Next, slide the window across so that the kit is held securely. You may need to adjust the size of the window kit and secure it with screws. This technique may also be used for sash 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.

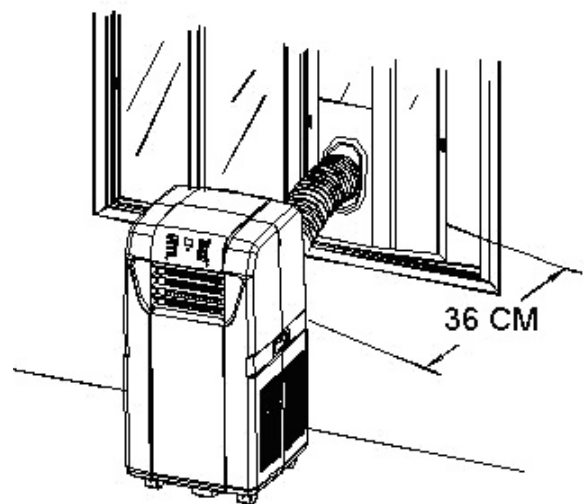


Fig. 2

Note: Take care to secure your window against intruders.

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 3 and Figure 4 show correct mounting of the flexible exhaust hose.
- Figure 5 shows the incorrect mounting of the flexible exhaust hose

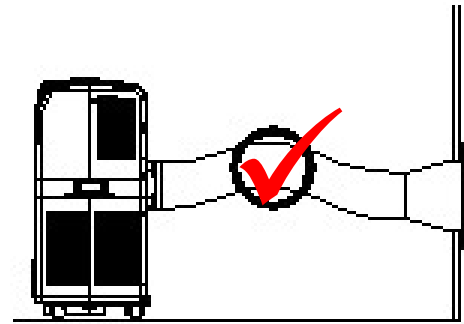


Fig. 3

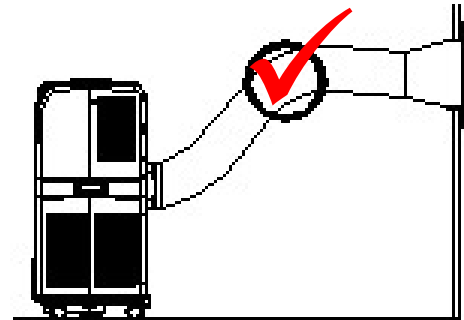


Fig. 4

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.

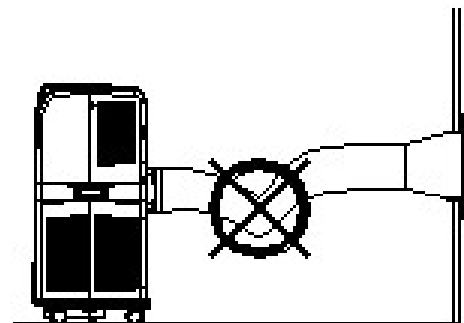


Fig. 5

Installation of the active carbon filter

This unit comes with an active carbon filter as part of the accessories pack, not pre-installed. To use the active carbon filter it will need to be installed as follows:

1. Remove the filter frame from the unit.
2. Separate the filter fixer from the filter frame.
3. Remove the active carbon filter from its plastic bag.
4. Insert the active carbon filter into the filter frame.
5. Fix the filter by reassembling the fixer onto the filter frame.
6. Re-fit the filter frame inside the unit.

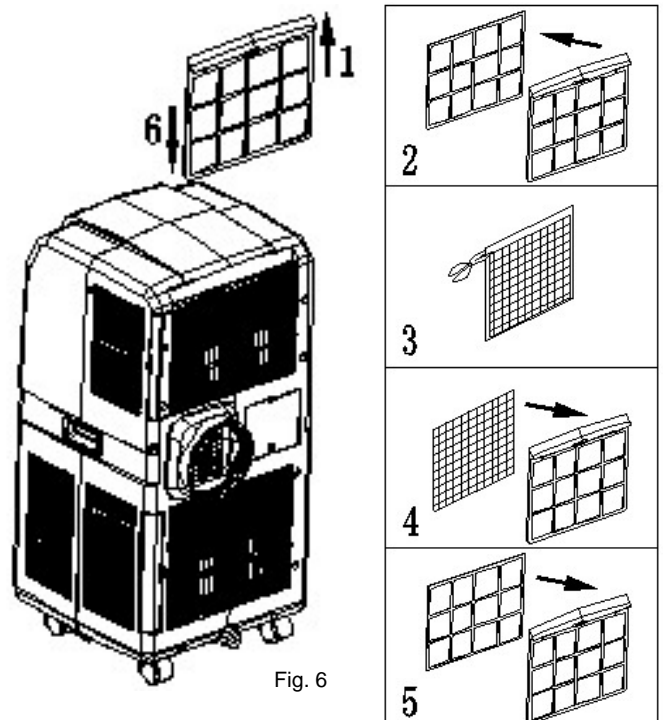
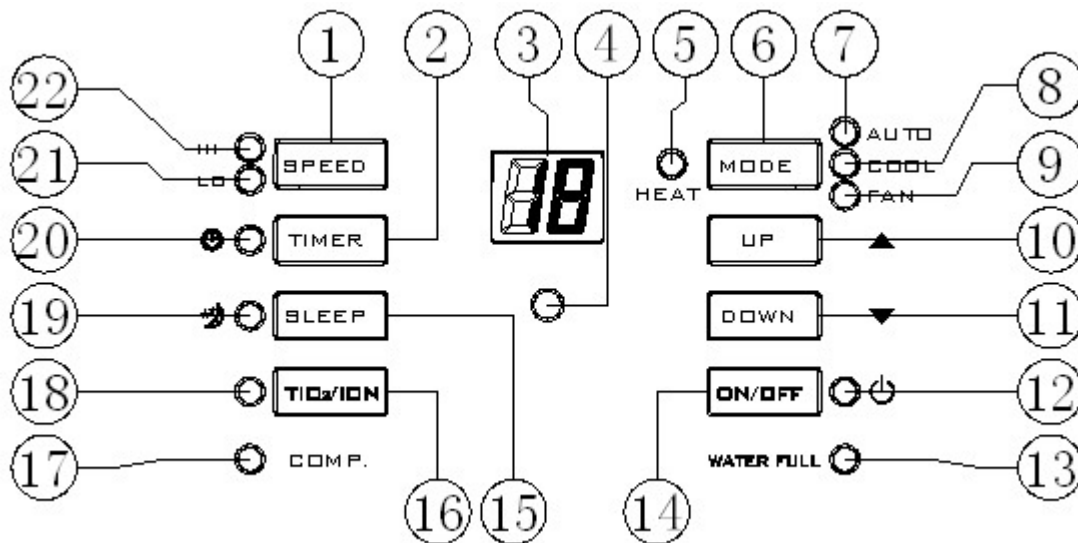


Fig. 6

Control Panel



- | | |
|--|--|
| 1. Speed (ventilation) button | 12. 'Power on' indicator |
| 2. Timer button | 13. 'Water full' indicator |
| 3. Display window | 14. ON/OFF (power) button |
| 4. Receiver for remote control | 15. Sleep mode button |
| 5. Heating mode indicator (APC12RC only) | 16. TiO ₂ (UV)/ionizer button (optional) |
| 6. Mode button | 17. Compressor operation indicator |
| 7. Automatic mode indicator | 18. TiO ₂ (UV)/ionizer indicator (optional) |
| 8. Cooling mode indicator | 19. Sleep mode indicator |
| 9. Fan mode indicator | 20. Timer mode indicator |
| 10. 'UP' button | 21. Low fan speed indicator |
| 11. 'DOWN' button | 22. High fan speed indicator |

Operating Instructions

On/Off

- Press ON/OFF button, the unit will start in **AUTO** mode.
- To turn the unit off, press ON/OFF button again.
- Please note: The display window will show the ambient room temperature from 0°C to 50°C except during setting on the timer-on or timer-off function.

Auto Mode

AUTO mode selects the mode, either fan or cooling, that is suitable to the temperature of the room.

- The unit will automatically start in **AUTO** mode or you can press **MODE** button to choose Auto mode.
- If the ambient temperature is:
 - Higher than 23°C, the unit will work in cooling mode.
 - Higher than 20°C but below or equal to 23°C, the unit will work in fan mode.
- **AUTO** mode will choose the ventilation speed automatically.

Fan Mode

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

- Press **MODE** button to choose **FAN** mode.
- Press **SPEED** button to select the fan speed, either low or high.
- The temperature cannot be set.

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 to choose **COOL** mode.
- In **COOL** mode the temperature of this unit is pre-set to 24⁰C.
- Press **UP** or **DOWN** buttons or to set the desired temperature between 18-32⁰C. As you set the temperature the display window will show the temperature you set. Otherwise it will show the ambient temperature of the room.
- Press **SPEED** button or to select the fan speed, either low or high.
- 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 18⁰C will not necessarily bring the ambient room temperature down to 18⁰C.*

Heat Mode (APC12RC only)

The heating mode uses a reversed refrigerated circuit (compressor) to warm the room by transferring the cold from the inside to the outside through the air exhaust hose and warming the air that it returns to the room.

- Press **MODE** button to choose **HEAT** mode.
- In **HEAT** mode the temperature of this unit is pre-set to 20⁰C.
- Press **UP** or **DOWN** buttons or to set the desired temperature between 18-32⁰C. As you set the temperature the display window will show the temperature you set. Otherwise it will show the ambient temperature of the room.
- Press **SPEED** button or to select the fan speed, either low or high.

Timer – On

- When the unit is switched off, press **TIMER** button to set timer-on.
- Press **UP** or **DOWN** buttons to adjust the time from 1hr to 24hrs.
- Time will vary 1hr accordingly for each press of either the **UP** or **DOWN** buttons.
- 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.
- Press **UP** or **DOWN** buttons to adjust the time from 1hr to 24hrs.
- Time will vary 1hr accordingly for each press of either the **UP** or **DOWN** buttons.
- When the set time is reached the unit will turn off automatically.

NOTE: *Timer-on and Timer-off modes cannot be set to function at the same time.*

Sleep Mode

- If you select the **SLEEP** mode while in cooling mode, the set temperature will increase 1⁰C at the end of the 1st hour and, another 1⁰C at the end of the second hour and then maintain that temperature until switch off or manually changed.
- If you select the **SLEEP** mode while in heating mode, the set temperature will decrease 1⁰C at the end of the 1st hour and, another 1⁰C at the end of the second hour and then maintain that temperature until switch off or manually changed.
- In **SLEEP** mode the fan speed will remain at low.
- Cancel **SLEEP** mode by pressing the **SLEEP** button again.
- The unit will turn off automatically after the SLEEP function has been running for 12 hours.
- **SLEEP** mode is not available while in **FAN** mode
- Time will vary 1hr accordingly for each press of either the **UP** or **DOWN** buttons.
- When the set time is reached the unit will turn off automatically.

Airflow Regulation

- The airflow can be manually adjusted via the roller situated at the front of the air vent.

Remote Control

- All the above functions can also be performed with the supplied remote control.
- This remote control requires one button cell (No. CR2025) to operate.

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 **WATER FULL** indicator to trigger. In this instance the compressor will shut off automatically and a buzzer will sound. Pressing any button will stop the buzzer. You will need to empty the water tank before the unit will work again (refer to the drainage section).

Adding Water

To utilise the full potential of the cool mode of your portable air-conditioner, we recommend approx 1000mls of water be added to the water injection port just prior to initial start up.

To add water (see Figure 7.):

1. Take out the filter frame located at the bottom of the back of the unit.
2. Use a water cup to pour water into the water tray. Do not pour more than 1000ml. Do not overfill the unit.
3. Put back the filter frame into the unit.

Normally an adequate quantity of water is collected to keep the recycling process operating. However, 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 fan mode.

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.

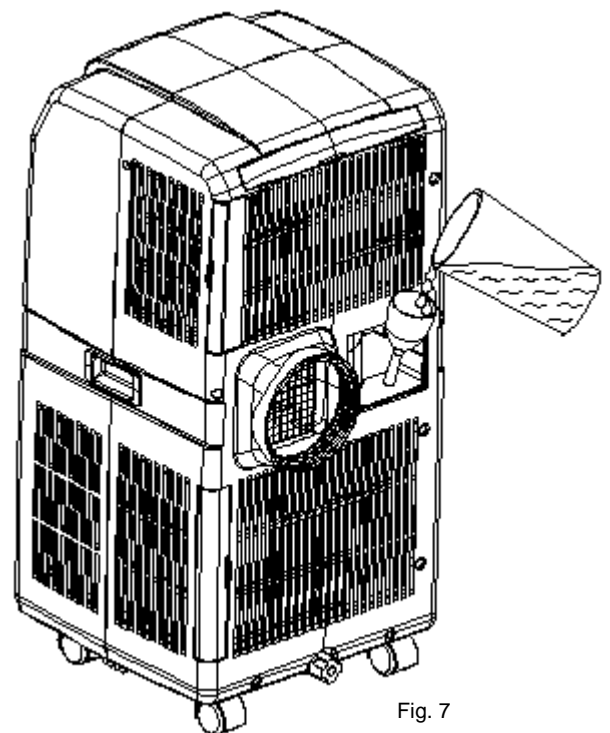


Fig. 7

Water Drainage

When the water tank is full, the **WATER FULL** indicator will illuminate and the compressor will stop working. A buzzer will sound. Pressing any button will stop the buzzer. You will need to empty the water tank before the unit will work again.

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.
3. Remove the drain knob and rubber plug on the drainage port and drain into the tray beneath.
4. Once drained, replace the rubber plug and drain knob into the drainage port and tighten by hand.
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.

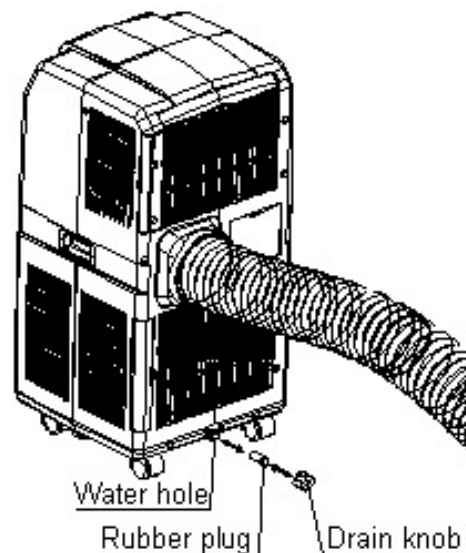


Fig. 8



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.

Continuous Drainage

If you wish to operate the unit without the need to empty the water tank, please:

1. Turn the unit off and pull the plug out of the power supply.
2. Remove the drain knob and rubber plug on the drainage port and retain for future use.
3. Connect the drain tube supplied to the water outlet as shown and locate the other end into a drain.
4. The drain tube may be extended by using a suitable connector and an extension tube (OD: 18mm).
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.

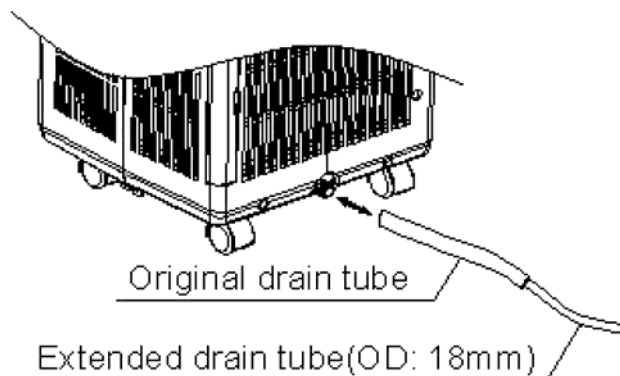


Fig. 9

Please note:

1. The drain must be at or below the outlet level
2. Flashing comp/ 'water full' indicator will not function in this mode of drainage.
3. When the room humidity is over 85%, it may be necessary to utilise the continuous drainage method.

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 40⁰C or 104⁰F) 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.

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 'water full' indicator is flashing.	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 LED is flashing E1 or E2	Turn the unit off and call your Customer Care Line on 1300 739 033.



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)

ABN 28 001 375 686, Locked Bag 4013, Kingsgrove NSW 2208

Phone: 1300 739 033 Fax: 1800 838 899 Email: customerservice@meappliances.com.au Web: meappliances.com.au