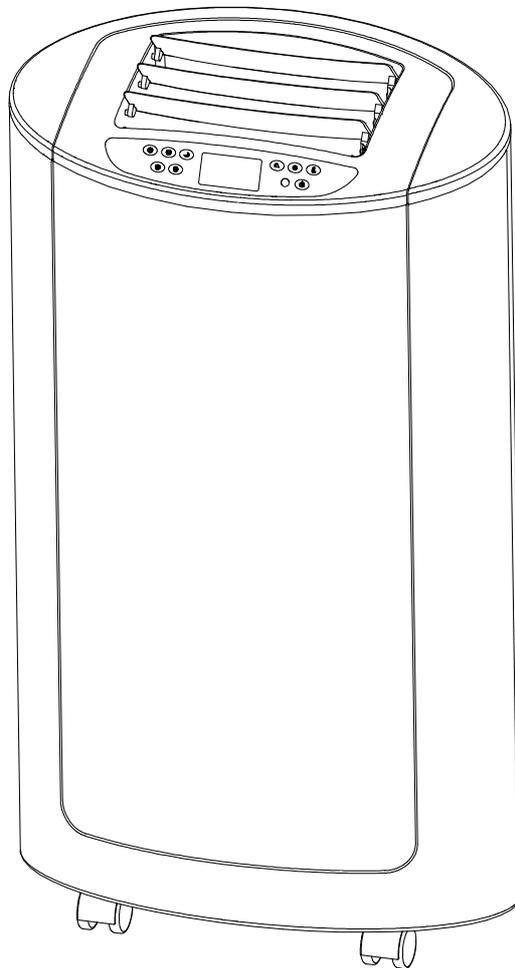


electriQ

PLM12000HP

PORTABLE AIR CONDITIONER WITH HEAT PUMP

USER MANUAL



Thank you for choosing ElectriQ.

Please read this user manual before using this innovative Air Conditioner and keep it safe for future reference.

Visit our page www.electriQ.co.uk for our entire range of Intelligent Electricals

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SAFETY INSTRUCTIONS

Important!

- Carefully read the instructions before operating the unit
- This appliance is for indoor use only.
- Rating: This unit must be only connected to a 220-240 V / 50 Hz earthed outlet.
- Installation must be in accordance with regulations of the country where the unit is used.
- If you are in any doubt about the suitability of your electrical supply have it checked and, if necessary, modified by a qualified electrician.
- This air conditioner has been tested and is safe to use. However, as with any electrical appliances - use it with care.
- Disconnect the power plug from socket before dismantling, assembling or cleaning.
- Avoid touching any moving parts of the appliance.
- Never insert fingers, pencils or any other objects through the guard
- This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities. It is also not intended for use by those with a lack of experience and knowledge, unless they have been given supervision or instruction concerning the use of the appliance by a person responsible for their safety.
Do not leave children unsupervised with this appliance.
- Do not clean the unit by spraying it or immersing it in water.
- Never connect the unit to an electrical outlet using an extension cord. If an outlet is not available, one should be installed by a qualified electrician.
- Never operate this appliance if the cord or plug is damaged. Ensure the power cord is not stretched or exposed to sharp object/edges.
- A damaged supply cord should be replaced by the manufacturer or a qualified electrician in order to avoid a hazard.
- Any service other than regular cleaning or filter replacement should be performed by an authorized service representative. Failure to comply could result in a voided warranty.
- Do not use the appliance for any other purposes than its intended use.
- **The air conditioner unit must always be stored and transported upright, otherwise irreparable damage may be caused to the compressor; if in doubt we suggest waiting at least 24 hours before starting the unit.**
- Avoid restarting the air conditioning unit unless 3 minutes have passed since being turned off. This prevents damage to the compressor.
- 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.
- Always place the unit on a dry and stable surface.
- The appliance should not be installed in laundry or wet rooms

Energy Saving and Unit Safety Protection Tips

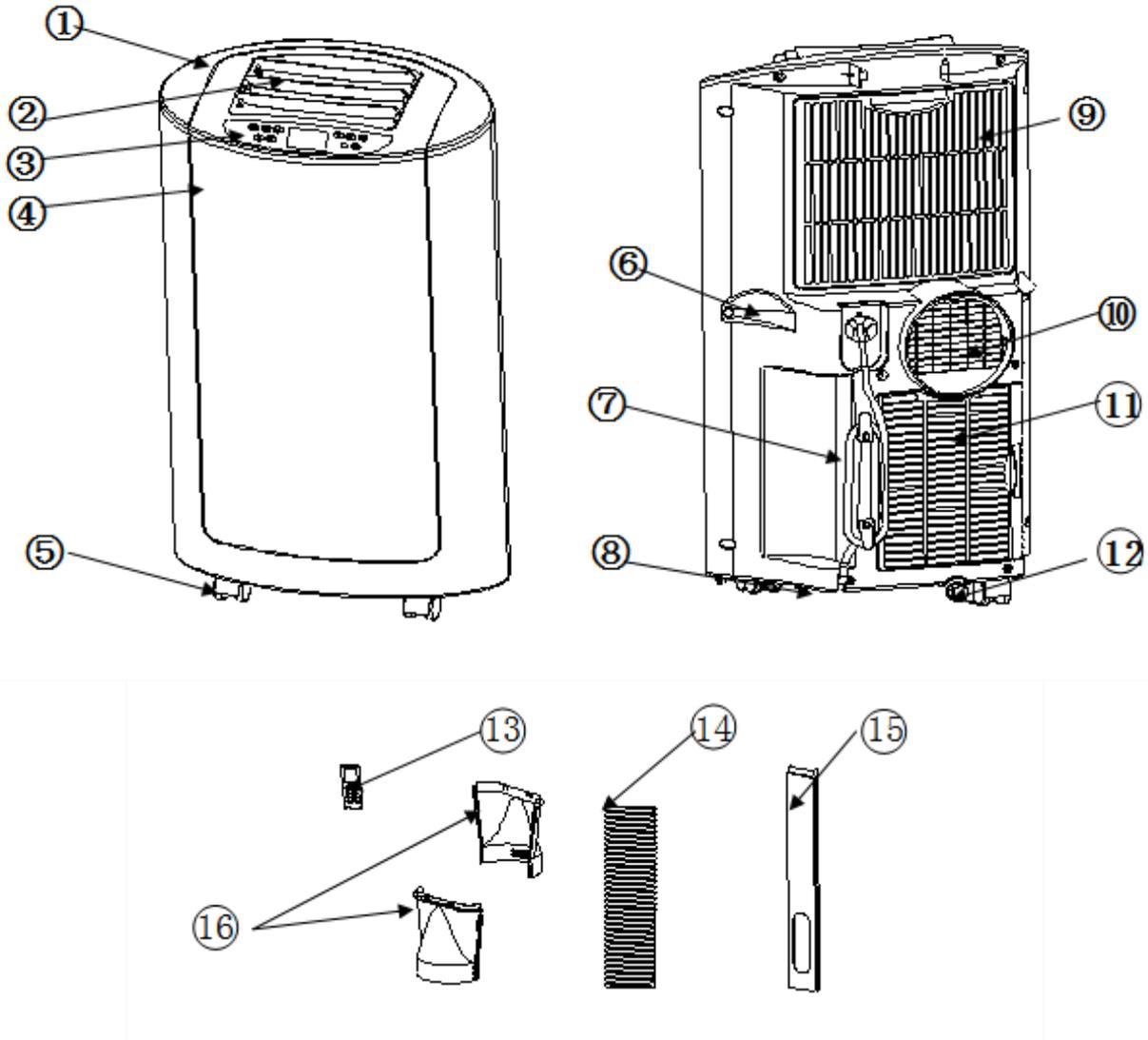
- Do not cover or restrict the airflow from the outlet or inlet grills.
- For maximum performance the minimum distance from a wall or objects should be 50cm.
- Keep the filters clean. Under normal conditions, filters should only need cleaning once every three weeks (approximately). Since the filters remove airborne particles, more frequent cleaning may be necessary, depending on the air quality.
- For the initial startup set the fan speed to maximum and the thermostat to 4-5 degrees lower than the current temperature. After, set the fan switch to low and set the thermostat to your desired setting.
- To protect the unit we recommend not using the cooling function when the ambient temperature is higher than 35°C.
- To protect the unit we recommend not using the heating function when the ambient temperature is lower than 7°C.

FEATURES AND PARTS LIST

1. Features

- Self-evaporative system - no external water tank needed
- Slim oval design - designer inspired luxury model
- Louvres outlet closes automatically when shutting down the unit, this prevents dust and dirt entering the machine.
- Bright LCD screen, indicates temperature and operation mode
- Remote control and power plug can be stored at the rear of the unit after use. (Exhaust hose can also be stored in the machine after use)
- The hot air outlet is positioned in the middle of the unit – this allows for improved performance with the use of a short hose
- On/Off timer function – allows you to choose when the unit operates.
- Compressor protection technology

2. Parts list:



1. Top cover
2. Air outlet grille
3. Control panel
4. Front cover
5. Castor
6. Handle
7. Power cord
8. Drain port

9. Upper filter frame
10. Protective net
11. Lower filter frame
12. Water plug
13. Remote control
14. Exhaust hose
15. Window kits
16. Hose adaptor

INSTALLATION

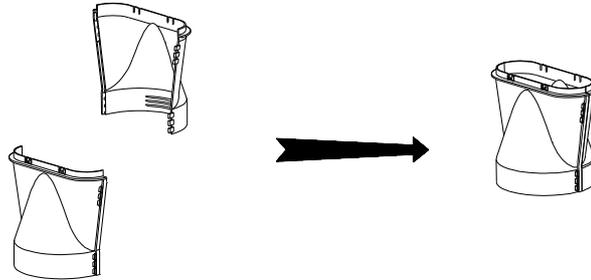
1. Installation

Warning: Before using this unit, please keep it upright for at least 3-4 hours.

This unit can easily be moved from one room to another.

While moving the unit please note that it must always be kept upright and then placed on an even surface.

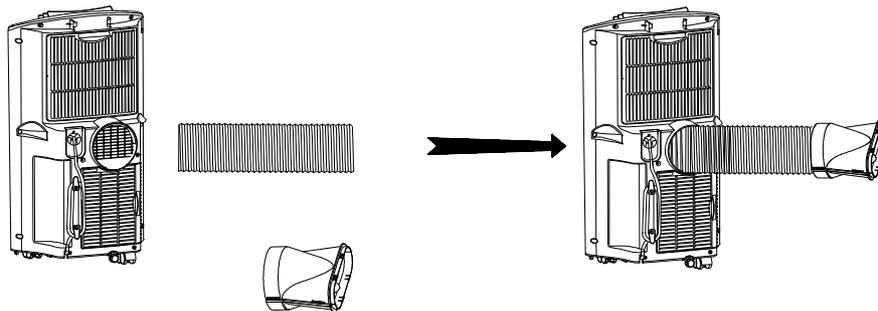
1. Assemble hose adaptor:



2. Prepare both parts of hose adaptor and clip them together

Note: Do not push too hard as this may cause damage.

3. Assemble the exhaust hose



4. Extend one head of the hose and screw it into the unit anti-clockwise.

Note: to screw it into place should take no less than three rotations

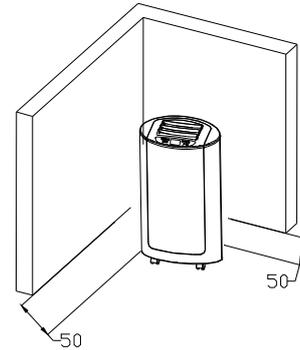
5. In the same way connect the hose to the assembled adaptor (at least three rotations)

6. Installation of window kits:

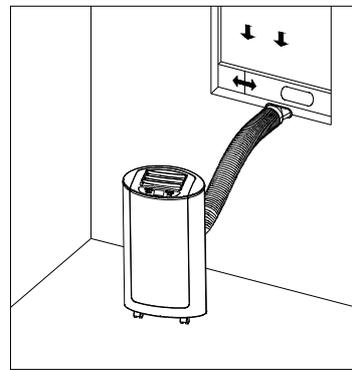
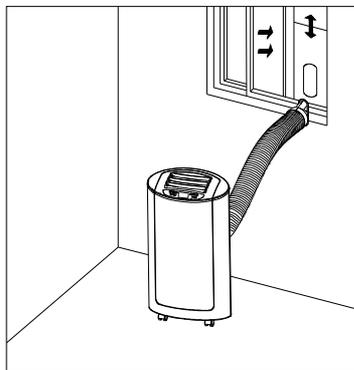
Partially open the window and then fix the window kit to the window



7. Make sure the unit is upright and there are no obstructions to the air inlets and outlet grills



8. Fix the other end of the hose to the air-outlet window kit



Note: The window kit is only designed to be installed with sliding or sash windows or doors. The window kit is not designed or to be used with any other style of windows. However the fish tail adaptor can be used with most windows / doors.

When using the cooling mode ensure that the opening left is as small as possible.

The best form of installation is through a wall duct.

Please note that the unit will need to be vented out in heating mode, ideally through the wall. By properly venting you expel cold air from your room while efficiently heating it.

Important safeguards

The length of the soft hose extends from 28 cm to 150 cm. If hose is extended above this length the unit may malfunction and this can invalidate the warranty.

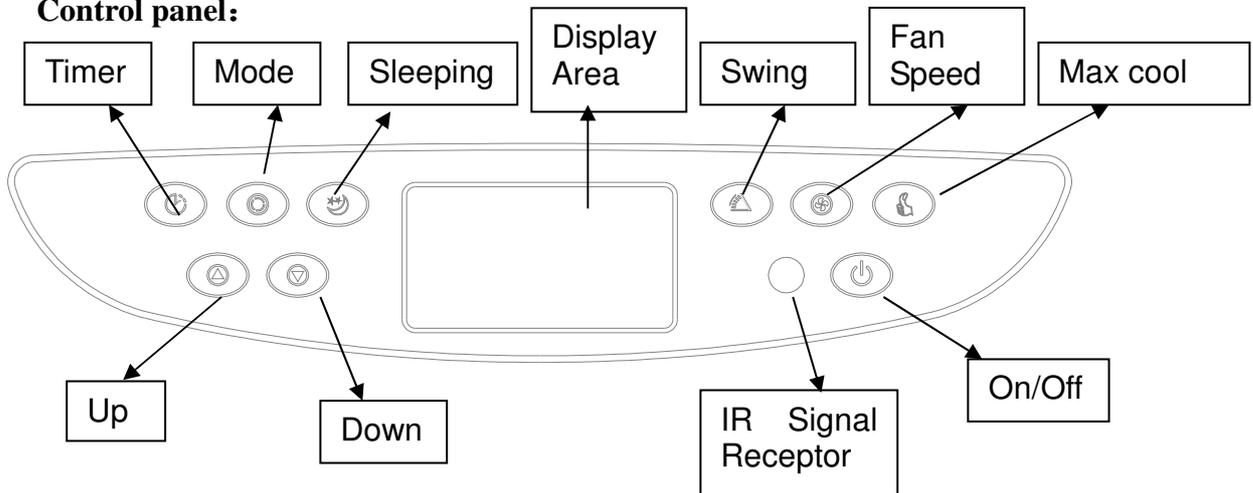
The outlet vent must be well ventilated and not obstructed as this will cause the unit to overheat. Avoid bending the air hose more than 30°

OPERATION AND SETTINGS

This portable air conditioner boasts four functions: cooling, heating, dehumidifying and fan. The fan has three speeds: high, medium and low. Temperature range settings are: 18--30°C. The unit will also display operating function, temperature, fault diagnostic and protective functions on the LCD screen.

1. Control instruction:

Control panel:



- 1.1 When plugged in the unit is automatically in standby status. The digital screen will display the room temperature (Range: 5-35°C/41-95°F). If ambient temperature is above 35°C, "H" will be displayed. If it is below 5 °C, it will display "L" and the unit will enter standby status to protect components.
- 1.2 **ON/OFF**  button: Press this button to turn the unit on and enter cooling mode. Press again and the unit will switch off.
- 1.3 **Mode button**  : Press this key to choose Cooling, Heating, Fan, or Dehumidifying Mode.
- 1.4 **Fan button**  :
 - a) In Fan and Cooling mode:
HIGH () → MEDIUM () → LOW ()
 - b) In Dehumidifying mode, the fan is set to low speed
- 1.5 **Stop / Start button**  :

Press the  icon to select your desired operating times.

Use the  and  buttons to adjust hours and minutes. You can only set the auto-shut off timer while the unit is operating (on). You can only set the auto-start timer while the unit is switched off.

After you have set the timer the  icon will keep flashing until the start/ stop time. If you change the timer, previous settings will be cleared.

1.6 **Up**  and **Down**  button: set temperature and timer .
In cooling and heating mode, the temperature can range from 18- 30°C
Pressing  and  buttons simultaneously, shifts between °C and °F.

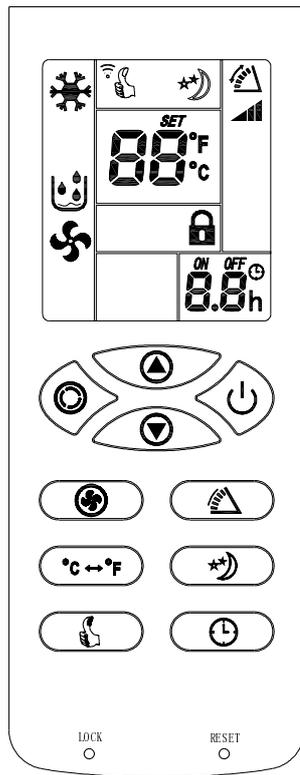
1.7 **Sleep mode key**  :
In cooling or heating mode, press the  key and the unit will go into sleeping mode. LCD will show 
Press  again to cancel.

1.8 **Swing button**  : press this key to start auto swing function, press again to cancel.

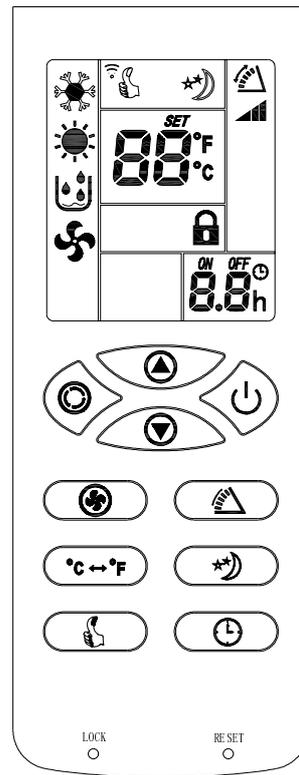
1.9 **Max cool key**  : Press this key to choose Max cool function:
The temperature setting is overridden in this mode and the unit will keep the compressor running in cool mode

2. Remote control

Drawing of Remote Control panel:



Remote control for Cool only



Remote control for Cool & Heat

1. **Power** : Press this key to turn the unit on/off.
2. **Mode** : Press this key to choose cooling, heating, dehumidifying or fan mode
3. **Up** : Press this key to turn up the temperature or adjust time.
4. **Down** : Press this key to turn down the temperature or adjust time.
5. **Fan** : Press this key to set low/medium/high fan speed.
6. **Swing** : Press this key to control swing function.
7. **Temperature** : Press this key to choose Centigrade or Fahrenheit.
8. **Sleeping**  (Only in cooling function): Press this key to enable sleep mode.
9. **Timer** : Press this key to set time. Once set, selected time will flash 5 times as confirmation .
10. **Max cool** : Under cooling mode, press this key to achieve maximum output.
11. **Keypad lock**: Press this key to lock all buttons. The screen will display the  icon. Press this key again to unlock.
12. **Reset**: Press this key using something like a pin to reset the remote control.

3. Multi protective function

3.1 Anti-freezing protecting control:

When the ambient temperature is low while in Cooling Mode, the compressor and water motor will stop working if the copper coil temperature reaches $<2^{\circ}\text{C}$ for over 20 seconds. When the copper coil temperature increases to $>8^{\circ}\text{C}$, the protection will be stopped automatically.

3.2、Water-full protection:

When the water level in the internal water tank is surpassing the maximum level, the unit will alert automatically and “P2” will flash on the LCD screen. Please discharge water in the machine according to page 12 - “Water Drainage”

3.3 Compressor delay-protection

Except for the first power-on, (or when changing from Cooling to Heating mode) the compressor can start instantly.

The compressor also runs under a 3 minute delay protection function.

3.4 Compressor protection

In cooling, dehumidifying and heating mode, if the temperature difference between the coil temperature and room temperature is less than 3°C , for more than 30 minutes, the machine will enter ‘no refrigerant’ compressor protection mode.

The compressor and water spring motor will stop working.

The up fan runs at low speed and the down fan stops running
“E3” will appear on the LCD screen.

Press any key on the control panel; the background light will illuminate for 10 seconds.

WATER-DRAINAGE

1. Manual drainage:

- 1.1 When the internal water tank is full the unit will stop working.
- 1.2 Shut off the unit and unplug. Try not to move the model abruptly as this may cause water to spilt out from internal water tank.
- 1.3 Place a tray under the water plug.
- 1.4 Screw off the water plug and unplug the water blocker - water will drain from the container.
- 1.5 Put the water blocker back and screw the water plug back into place

2. Continuous drainage:

- 2.1 Screw off the water plug and unplug the water blocker.
- 2.2 Use a water pipe to connect to the water outlet.
- 2.3 You can plumb this pipe into your current plumbing system, lead it outside or use a water pump.

Note: This model has a self-evaporative function, which reduces the need to empty the water tank.

If the unit is vented correctly most of the water is reused to cool the condenser coils and any excess is evaporated.

Please do not use continuous drainage if you intend to use the self-evaporating facility.

Maintenance

Cleaning.

Please shut off the unit and unplug from the mains before cleaning or performing any maintenance

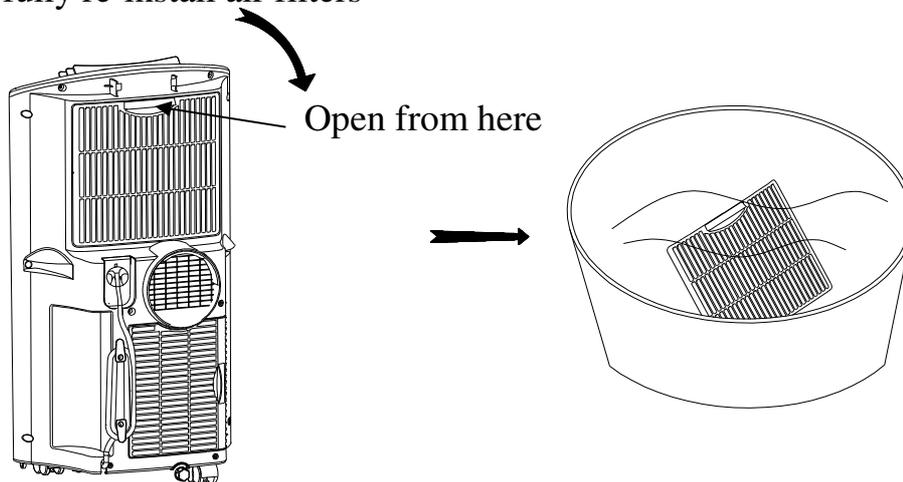
Clean the surface

Clean the plastic housing with a duster or a soft wet cloth.

Do not use chemical solvents (such as benzene, alcohol or gasoline) as they may cause irreversible damage.

Air filter cleaning

- a) Clean the air filters every 2 weeks. If the air filter is blocked with dust, the unit's performance will be significantly affected.
- b) Pull out the top and bottom filters as pictured below
- c) Wash the air filters by immersing them in warm (about 40°C) water with a neutral detergent.
- d) Rinse it and then dry it thoroughly.
- e) Carefully re-install air filters



Please note: The active carbon filter (cloth) should be changed every 2-3 weeks based on the environment.

End of Season Maintenance:

1. Pull out the plug from the drainage hole and empty the internal tank. You can also drain the water by leaning the unit.
 2. Then switch the unit to Fan mode, and hold the button down for 5 seconds until it reaches a low fan speed.
 3. Keep the unit in this mode for half day - until the conduit is dried. Doing this helps to keep the inside of the unit dry and prevents mold developing
 4. Turn off the unit and pull out the plug.
 5. Coil the wire and bind it together, then put it into the accessories space.
 6. Separate the air-exhausted pipe and store it safely.
 7. Cover the unit and keep it in a dry place.
 8. Take the batteries out of remote control and store, or dispose, them safely
- * All accessories can be put in the accessories space at the back of the unit.

Trouble Shooting

Do not repair or disassemble the unit by yourself, unauthorized repair attempts will invalidate the warranty and may cause bodily harm.

Trouble	Reason	Solution
The unit does not work	No power supply	Power-on and turn on the unit.
	Water-full indicator illuminated	Drain the internal water tank
	Timer function is active	Cancel Timer function
	Room temperature too low or too high	Use only in ambient temperatures between 7-40°C
The unit does not seem to perform.	In direct sunlight	Draw the curtains, UV affects RC
	Windows or doors open. Large amount of people or a heat source in the room.	Close windows and turn on another air conditioner
	Filter is very dirty	Clean or change the air filter
	Air inlet or air outlet is blocked	Clear out debris
	Room temperature is lower than setting temperature	Change the setting temperature
The unit loud	The unit is not put on flat surface	Put the unit on flat and hard surface
Compressor does not work	Overheating protection is active	Check venting. Restart the unit after 5 minutes when compressor has cooled
Remote control doesn't work	Operating distance is too far.	Move remote control closer to the unit and make sure it aims at the air-outlet grille
	Control panel has not received the signal from remote control.	
	The batteries are flat	Replace the batteries
E1 on LCD	Coil temperature is abnormal	Refer to Service Centre (check coil temperature sensor or relevant circuit)
E2 on LCD	Room temperature is abnormal	Temperature not within 5-40 C operating range. If temperature within operating range refer to Service Centre (check room temperature sensor or relevant circuit)
E3 on LCD	No refrigerant or there is very little refrigerant	Refer to Service Centre (check leakage, welding, vacuum pump, charge refrigerant according to name plate)
E4 on LCD	Anti-freezing protection	Waiting for defrosting. Function will recover automatically. No user input needed.
P2 on LCD	Water tank is full inside the machine	Drain out water from drain port at bottom rear of the unit.
F1 on LCD	High pressure protection	After inside gas pressure comes down, it will function normally. No user input needed

If the above solutions do not resolve the problem please contact the service centre.

APPENDIX



Disposal: Do not dispose this product as unsorted municipal waste. Collection of such waste must be handled separately as special treatment is necessary.

Recycling facilities are now available for all customers at which you can deposit your old electrical products. Customers will be able to take any old electrical equipment to participating civic amenity sites run by their local councils. Please remember that this equipment will be further handled during the recycling process, so please be considerate when depositing your equipment. Please contact the local council for details of your local household waste recycling centres.

TECHNICAL DATA:

Capacity	Cooling: 3.5 kWh / 12,000 BTU
	Heating: 3.7 kWh / 12,600 BTU
Rated Input	Cooling: 1.355 kW
	Heating: 1.18 kW
Running Current	3.15A
Air Flow	435m ³ /h
Noise	56dB(A)
Permitted Excessive Operating Pressure	1.0/3.5MPa
Maximum Allowable Pressure	1.5/5.5Mpa
Power Supply	230V/50Hz
Fuse Parameter	Type: FSD / 50F Voltage: 250V
Net Weight	33.5kgs
Dimension(L*D*H)	470*330*845mm
Unit must be vented outside when in Air Cooling and Heating mode. For the purposes of EU regulation EN12102 this is a <i>local air conditioner</i> and produces less than 65dB(A) sound energy.	

ElectrIQ UK SUPPORT
www.ElectrIQ.co.uk/support

Please, for your own convenience, make these simple checks before calling the service line.

If the unit still fails to operate call: 0871 620 1057 or complete the online form

- 1. Has the unit been standing upright for at least 2 hours?**
- 2. Is the unit plugged into the mains?**
- 3. Is the fuse OK?**
- 4. Switch the unit off and wait three minutes to see if the issue is resolved. Restart the unit.**
- 5. Check if the water tank is full.**

Office hours: 9AM - 5PM Monday to Friday

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