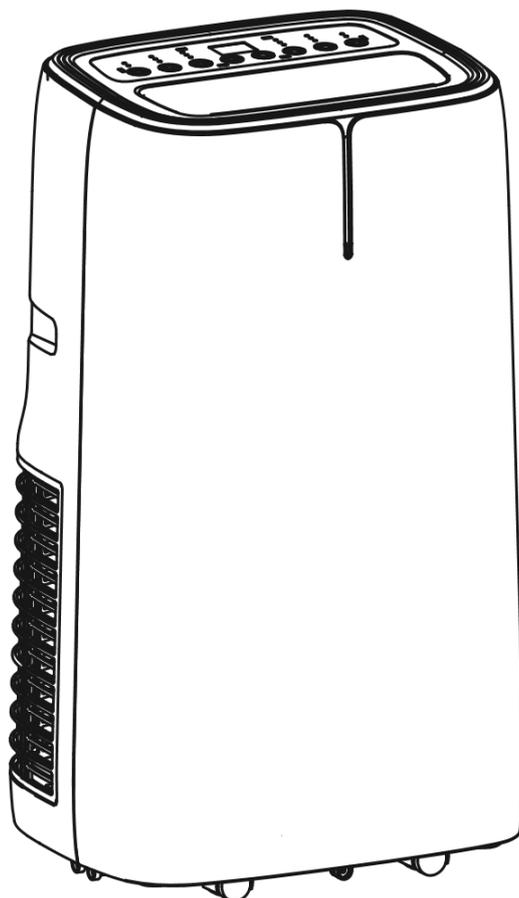


# electriciQ

## USER MANUAL



### electriciQ PORTABLE AIR CONDITIONER WITH HEPA FILTER

ECOSILENT12	12,000 BTU
ECOSILENT12E	
ECOSILENT14	14,000 BTU

Thank you for choosing electriciQ

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

Visit our page [www.electriciQ.co.uk](http://www.electriciQ.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 appliance - use it with care.
- Disconnect the power from the appliance 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 objects/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 authorised service representative. Failure to comply could result in a voided warranty.
- Do not use the appliance for any purpose other 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 button 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.
- The appliance must be placed in a room without sources of ignition (for example: open flames, an operating gas appliance or an operating electric heater).

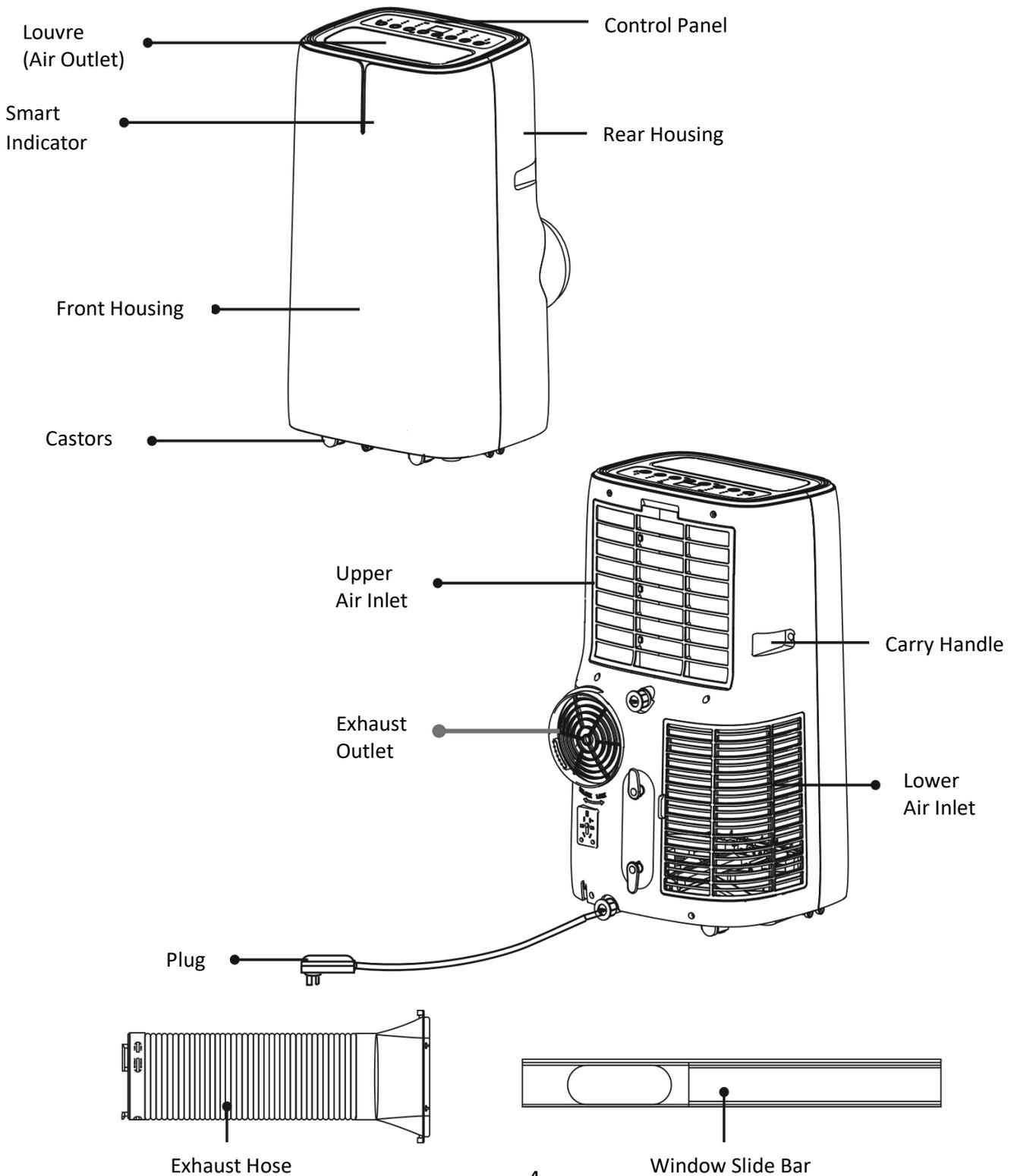
- R290 refrigerant gas complies with European environmental directives.
- R290 has a low GWP (Global Warming Potential) of 3.
- The air conditioner contains about 300 g of R290 refrigerant gas.
- Do not use or store in an unventilated space with an area smaller than 14.4 m<sup>2</sup> per unit.
- The room must be such as to prevent stagnation of possible leaks of refrigerant gas as there could be a danger of fire or explosion should the refrigerant come into contact with electric heaters, stoves or other sources of ignition.
- Refrigerant gas may be odourless.
- Do not use the product and contact the retailer for advice, if damage has occurred to the unit which may have compromised the refrigerant system.
- Any repairs or maintenance must only be carried out on the unit by a suitably qualified engineer. Before opening and servicing the unit the authorised engineer must be in possession of a copy of the manufacturer's service manual and must follow the safety information contained within it to ensure all hazards are minimized.
- The refrigerant system should not be perforated or punctured.

### **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 maybe necessary, depending on the air quality.
- For the initial start-up set the fan speed to maximum and the thermostat to 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.

## FEATURES AND PARTS LIST

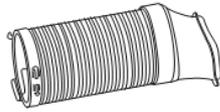
- 3 in 1 Cooling, Fan, Dehumidifier great for Rooms up to 20 sqm.
- 5 speed DC fan: balancing quiet operation with performance.
- SmartCool Logic for Improved Energy Efficiency.
- HEPA Filter for Air Purification
- 24 Hours Start / Stop Timer
- Digital Thermostat.
- Auto-Restart to retain the settings in the event of power failure.
- Smart Colour Changing Indicator LED
- Remote Control
- Castors and Handles for Enhanced Portability



## INSTALLATION

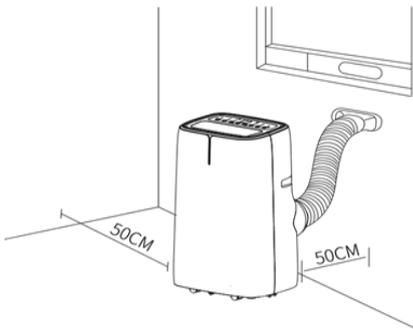
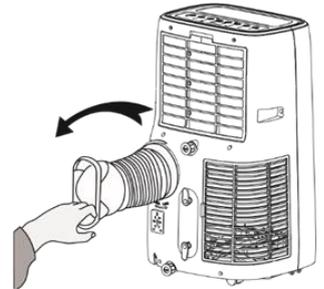
**WARNING:** Before using this unit, please keep it upright for at least 3-4 hours.

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. Attach the fishtail connector to the end of the hose, by extending the end and twisting until firmly attached (At least 3 full rotations).

2. Attach the connector on the opposite end of the pipe to the exhaust outlet on the rear of the appliance by putting into position and twisting to lock in place.

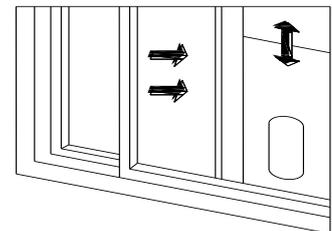
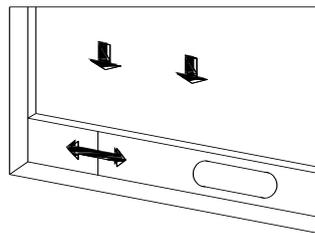


3. Make sure the unit is upright and there are no obstructions to the air inlets and outlet grills.

## INSTALLATION OF WINDOW KIT

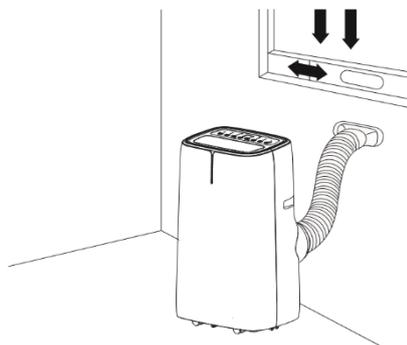
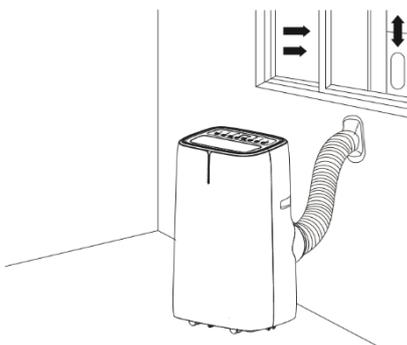
The window kit (slide bar and fishtail) can be used with sliding windows and doors. For other types of window, the fishtail should be used on its own.

1. Partially open the window and place the extended slide bar in position before closing the window onto it.

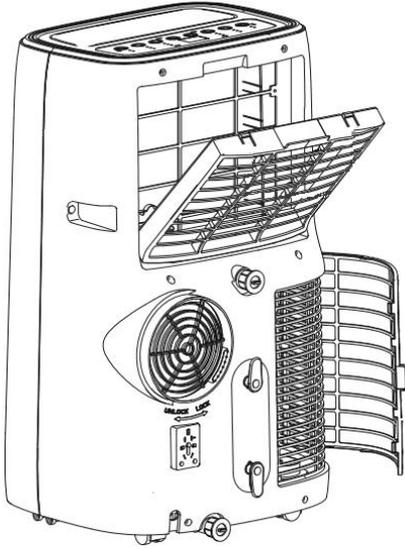


2. Fix the fishtail adaptor into the opening on the slide bar

3. Fix the exhaust connector on the opposite end of the exhaust hose to the exhaust outlet on the rear of the air conditioner.



## INSTALLING THE HEPA FILTER



The HEPA filter should be unwrapped and installed in the upper air inlet. To install, remove the upper filter frame from the air conditioner, and place the HEPA filter within it before refitting.

In order to maintain performance, the filter should be regularly vacuumed. The filter should be replaced every six months, depending on usage and air quality.

The HEPA filter will purify the air expelled back into the room in any operating mode.

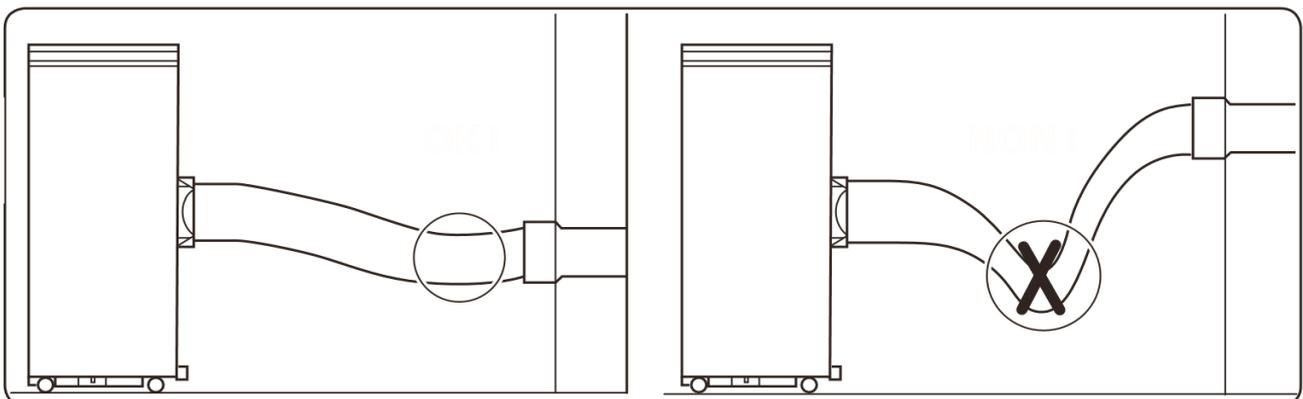
Replacement HEPA filters can be purchased from the stockist using the code: **FIL-ECOSILENTHEPA**.

## NOTES:

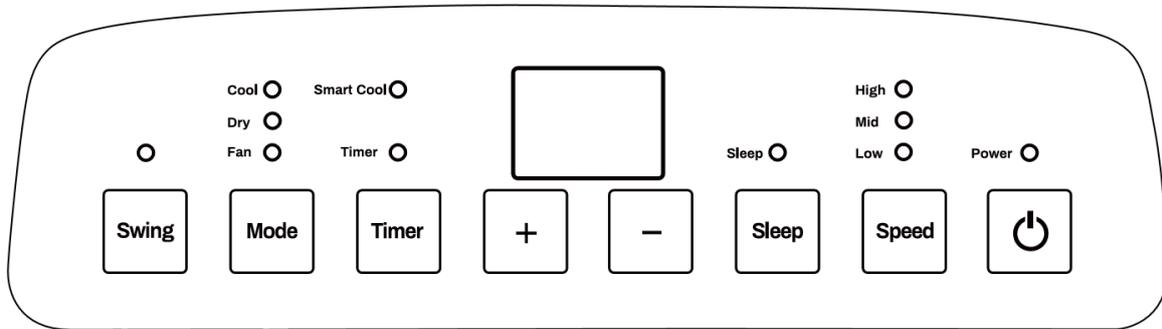
- The window kit is only designed to be installed with sliding or sash windows or doors. The window kit is not designed or to be used with any other style of windows.
- The fish tail adaptor can be used without the slide bar with most windows / doors.
- When using the air conditioner ensure that the opening left around the fishtail is as small as possible as the cooling will be less efficient.
- The best form of installation is through a wall duct. By properly venting you expel hot air from your room while efficiently cooling it.
- Your air conditioner should be used without the vent pipe in dry mode. When using dry mode ensure that an external water tank is used, monitored and regularly emptied before overflowing. Permanent plumbing can be also installed for dry mode or an external uplift water pump can be set up for unattended use.

## IMPORTANT SAFEGUARDS

The length of the soft hose extends from approximately 35 cm to 200 cm. If hose is extended above this length, the unit may malfunction which can invalidate the warranty. The outlet vent must be well ventilated and not obstructed as this will cause the unit to overheat. Keep the hose as straight and short as possible and avoid bending the air hose by more than 30 degrees in order not to reduce the performance of the unit.

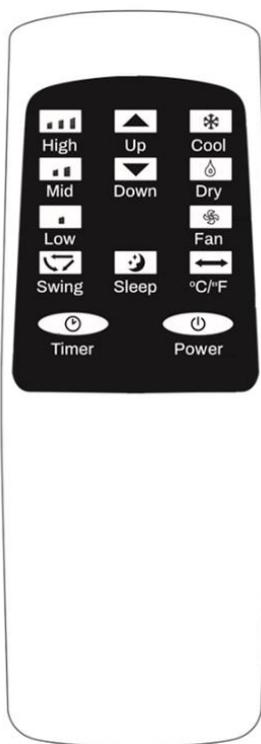


## OPERATION



	<p>Press the POWER button to turn the unit ON or OFF.</p>
	<p>Press the MODE button to cycle between the 4 modes, the indicator for the selected mode will be illuminated.</p> <p><b>COOL:</b> The room is cooled with the cold air expelled through the front air outlet while hot air is expelled through the vent pipe. The desired room temperature can be set between 17 and 30 degrees using the + and – buttons, and the fan speed can be changed using the SPEED button.</p> <p><b>FAN (AIR PURIFY):</b> The fan speed can be changed pressing the SPEED button. When used with the HEPA filter installed, the appliance will work as an effective air purifier.</p> <p><b>DRY (DEHUMIDIFY):</b> Should be operated without the vent hose, but with continuous drainage to remove moisture from the air. The relative humidity is displayed, while the desired humidity can be adjusted between 35-85% using the + and - buttons.</p> <p><b>SMART COOL:</b> An intelligent cooling mode where the fan speed is automatically adjusted based on the amount of cooling required. Attempts to change the fan speed will move the unit into COOL mode.</p>
	<p>Repeatedly press the SPEED button to cycle through the five fan speeds. Each time the SPEED button is pressed, the fan speed will be displayed. The fan speed can be changed between F1 (Low) to F5 (High). In F1 and F5 the corresponding indicator will also illuminate.</p>
	<p>Press to enter sleep mode. The sleep indicator will be illuminated and all other indicators will be turned off. In sleep mode, the appliance works at low fan speed. Press SLEEP again to exit sleep mode.</p> <p>Alternatively press and hold the sleep button for 3 seconds, and the unit will operate with the existing settings, but with the lights turned off.</p>
	<p>The timer functions cannot be combined or repeated.</p> <p><b>POWER ON TIMER</b> With the appliance in standby, press the TIMER button to set the power-on timer. Use the + and - buttons to adjust the duration of the timer (1 to 24 hours). The Timer indicator will turn on and the unit will start after the selected number of hours.</p> <p><b>POWER OFF TIMER</b> With the appliance running with the desired settings, press the TIMER button to set the power-off timer. Use the + and - buttons to adjust the duration of the timer (1 to 24 hours). The timer indicator will illuminate and the unit will stop after selected number of hours.</p>
	<p>Used to adjust temperature in COOL/SMART COOL mode, set the desired humidity in DRY mode and to set the duration of the TIMER. Press both buttons together to change between displaying the temperature in Celsius and Fahrenheit.</p>
	
	<p>Press this button to enable the swing function. The louvres will slowly move from side to side. If swing is pressed again the louvres will stop in their current position.</p>

## REMOTE CONTROL



<b>POWER</b>	Press to turn the unit on or off.
<b>TIMER</b>	Press to set the timer.
<b>DOWN</b>	Press to decrease the desired temperature, desired humidity or timer duration.
<b>UP</b>	Press to increase the desired temperature, desired humidity or timer duration.
<b>SLEEP</b>	Press the sleep button to enter sleep mode.
<b>SWING</b>	Press swing to turn the swing function on or off.
<b>°C/°F</b>	Press to change between displaying the temperature in Celsius or Fahrenheit.
<b>FAN</b>	Press to enter fan / air purify mode.
<b>COOL</b>	Press to enter cool mode.
<b>DRY</b>	Press to enter dry (dehumidify) mode.
<b>HIGH</b>	Press to enter high (F5) speed fan.
<b>MID</b>	Press to enter medium (F3) speed fan.
<b>LOW</b>	Press to enter low (F1) speed fan.

**NOTE:** The design of the remote may vary from the diagram, due to continuous product improvement.

## SMART INDICATOR LED

The air conditioner contains a Smart Indicator which changes colour to provide information to the user on the current environment conditions depending on the mode.

### COOL MODE

INDICATOR COLOUR	CONDITION
RED	Less than 25% of the required temperature reduction has occurred.
AMBER	Between 25% and 75% of the temperature reduction achieved
GREEN	More than 75% of the required temperature reduction has occurred

### SMART COOL MODE

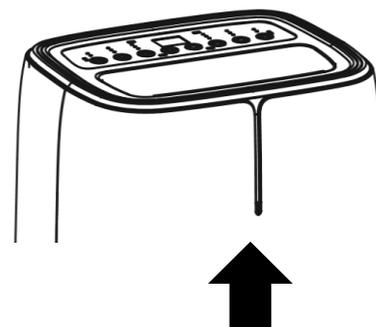
INDICATOR COLOUR	CONDITION
RED	Less than 25% of the required temperature reduction has occurred.
AMBER	Between 25% and 75% of the temperature reduction achieved
GREEN	More than 75% of the required temperature reduction has occurred

### FAN (AIR PURIFY) MODE

INDICATOR COLOUR	CONDITION
BLUE	Fan operating

### DRY (DEHUMIDIFY) MODE

INDICATOR COLOUR	CONDITION
RED	High Humidity, Relative Humidity $\geq$ 70%
AMBER	Comfortable, 70% > Relative Humidity $\geq$ 60%
GREEN	Dry, Relative Humidity < 60%



Smart Indicator

# MULTI PROTECTIVE FUNCTIONS

## FROST PROTECTION

In COOL, DRY or SMART COOL modes, if the temperature of the exhaust is too low, the machine will automatically stop operating until the temperature has risen.

## OVERFLOW PROTECTION

When the water in the internal water tank exceeds the warning level, the machine will stop operating and sound an alarm with the LCD display showing "E7". To resume operation empty the internal water tank. After the water is emptied, the machine will automatically return to the original state.

## AUTO-DEFROST

The machine has automatic defrosting function. If during operation the temperature of the internal coils drops too low, the unit will enter auto defrost and the heating symbol will flash on the control panel.

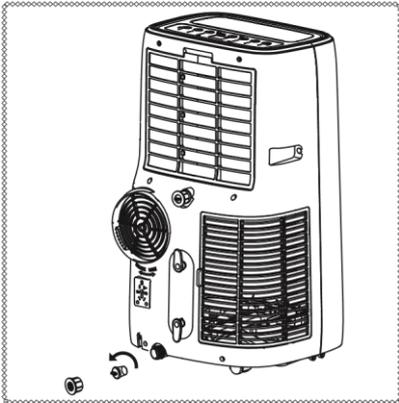
## AUTOMATIC THERMAL PROTECTION

To protect the service life of the machine, the machine has automatic thermal protection. If the temperature within the unit is outside of the specified range, the compressor and the lower motor will stop operation. The appliance will automatically return to normal operation after the temperature of the machine recovers.

## COMPRESSOR PROTECTION

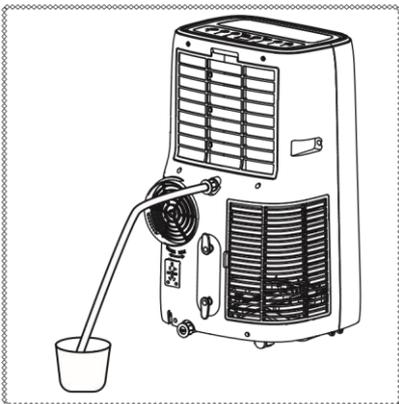
To prevent damage to the compressor there is a 3 minute delay start protection function.

## EMPTYING THE INTERNAL WATER TANK



### MANUAL DRAINAGE:

When the internal water tank is full the unit will stop working. Shut off the unit and unplug. Try not to move the model abruptly as this may cause the water in the internal tank to spill out. Place a tray under the lower water plug or place the unit in a drainage area. Unscrew the drain plug cap and remove the rubber stopper - water will drain from the internal tank. Put the rubber stopper back and screw the drain plug cap back into place.



### CONTINUOUS DRAINAGE:

Unscrew the drain plug cap and remove the rubber stopper. Connect a water pipe to the upper water outlet. You can plumb this pipe into your current plumbing system, lead it outside and use gravity fall 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 AND CLEANING

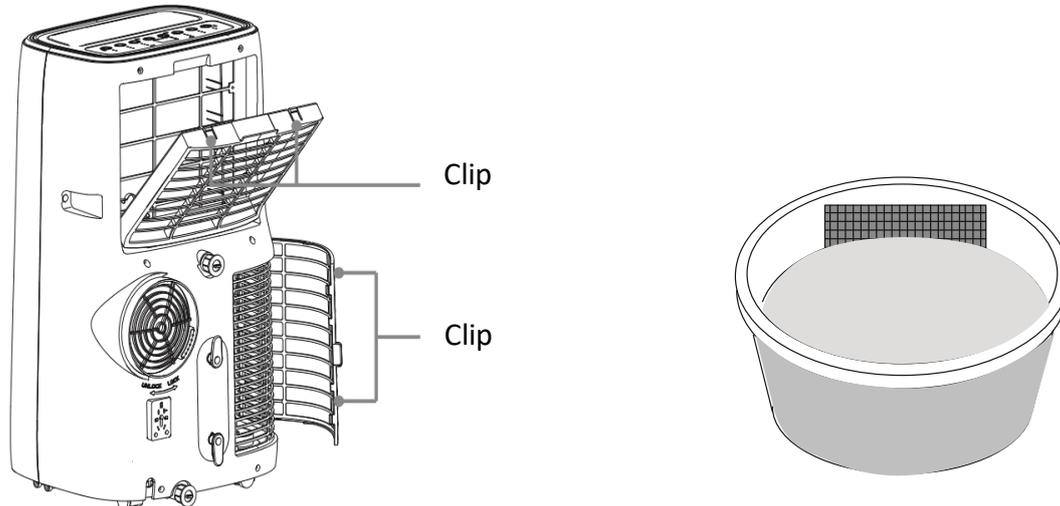
**PLEASE TURN OFF THE UNIT AND UNPLUG FROM THE MAINS BEFORE CLEANING OR PERFORMING ANY MAINTENANCE**

### CLEAN THE SURFACE

Clean the surface of the machine with a wet soft cloth. Do not use chemicals, such as benzene, alcohol, gasoline, etc; otherwise, as this may cause damage to the surface and or the internal workings of the machine

### AIR FILTER CLEANING

If the filter screen is clogged with dust, the effectiveness of the air conditioner is reduced. The filter screen should be cleaned once every two weeks or as often as necessarily in your environment.



### CLEAN THE UPPER FILTER SCREEN FRAME

Unclip the top of the evaporator filter screen from the appliance, and remove the HEPA filter (if installed). The HEPA filter should be regularly vacuumed and replaced when necessary (approx. every 6 months dependant on usage) The evaporator filter screen can be cleaned in warm water with neutral detergent (about 40°C /104°F). It must be rinsed clean and dried in the shade before reinstalling in the unit.

Replacement filters can be purchased from the stockist using the code: **FIL-ECOSILENTHEPA**.

### CLEAN THE LOWER FILTER SCREEN FRAME

Hold the handle of the air inlet filter screen frame, and pull it outward gently to remove it.

Put the filter screen into warm water with neutral detergent (about 40°C / 104 °F) °F). It must be rinsed clean and dried in the shade before reinstalling in the unit.

## END OF SEASON MAINTENANCE

1. Remove the rubber stopper 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 low fan mode.
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 mould from developing
4. Turn off the unit and pull out the plug.
5. Replace the rubber stopper.
6. Coil the wire and bind it together, then put it into the accessories space.
7. Separate the air-exhaust pipe and store it safely.
8. Cover the unit and keep it in a dry place.
9. Take the batteries out of remote control and store or dispose of them safely. Keep all accessories with the unit ready for next season.

## TROUBLESHOOTING

Do not repair or disassemble the air conditioning. Unqualified repair will invalidate the warranty and may lead to failure, causing injuries and property damage. Only use it as directed in this user manual and only perform operations advised here.

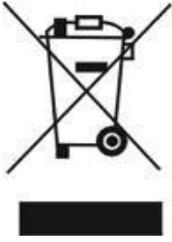
Problems	Reasons	Solutions
The air conditioner does not work.	There is no electricity.	Turn it on after connecting it to a socket with electricity.
	The display shows "E7".	Discharge the water inside.
	The ambient temperature is too low or too high	Only use to use the machine within temperature range of 7-35°C (44-95°F).
	In cooling mode, the room temperature is lower than the desired temperature	Change the desired temperature.
	In dry mode, the ambient temperature is low.	The ambient temperature must be above 17 °C. (62 °F).
The cooling effect is not good	There is direct sunlight.	Use curtains to reduce the direct sun heat
	Doors or windows are open; there are a lot of people; or in cooling mode, there are other sources of heat (e.g. fridges)	Close doors and windows; increase air conditioning power
	The filter screen is dirty.	Clean or replace the filter screen.
	The air inlet or outlet is blocked.	Clear obstructions; make sure venting is correct as described in this user manual and hose is not bent
Loud Noise	The air conditioning is not placed on a flat surface.	Put the air conditioning on a flat and hard place (to reduce noise).
Compressor does not work.	Overheat protection starts.	Wait for 3 minutes until the temperature is lowered, and then restart the machine.
The remote control does not work.	The distance between the machine and the remote control is too far.	Let the remote control get close to the air conditioner, and make sure that the remote control directly faces the receiver.
	The remote control is not aligned with the receiver.	
	Batteries are dead.	Replace batteries.
Others	No refrigerant or there is very little refrigerant	Refer to Service Centre (check leakage, welding, vacuum pump, charge refrigerant according to name plate)
	Anti-freezing protection	Waiting for defrosting. Function will recover automatically. No user input needed.
	High pressure protection	After inside gas pressure comes down, it will function normally. No user input needed

If problems not listed in the table occur or recommended solutions do not work, please contact the service centre.

## ERROR CODES

CODE	CAUSE	SOLUTION
E4	Room temperature sensor error	Check to ensure filters are clean, vent pipe is not restricted, and room temperature is within operational range.
E2	Coil temperature sensor error	
E7	Water full alarm	Empty the water tank
MODE LIGHT FLASHING	Cool / dry / heating mode, the compressor has not started, the mode light will flash. This is normal	The unit will start operation when the protection period has finished ( approx. 3 minutes)

## 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.

## electriQ UK SUPPORT

[www.electriQ.co.uk/support](http://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 the number below, or complete the online form.

0330 390 3061

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

[www.electriQ.co.uk](http://www.electriQ.co.uk)

Unit J6, Lowfields Business Park  
Lowfields Way, Elland  
West Yorkshire, HX5 9DA

## TECHNICAL DATA

Model	EcoSilent14	EcoSilent12	EcoSilent12E
Cooling capacity:	4100 W	3520 W	
Input power:	1550 W	1330 W	
Fan	DC motor with 5 fan speeds.		
Air flow volume:	400 m <sup>3</sup> /h		
Input current:	6.8 A	5.8 A	
Refrigerant:	R290/300g		
Sound power level:	63 dB(A)		
Thermostat:	17-30°C		
Maximum working pressure of suction/exhaust side:	1.0/3.5 MPa		
Maximum Allowable Pressure	3.5 Mpa		
Power Supply:	AC 220-240V/50 Hz		
Net Weight:	30 kg	29 kg	
Dimension(L*D*H):	428*365*718 mm	428*365*718 mm	

Unit must be vented outside when in Air Cooling mode. For the purposes of EU regulation EN12102 this is a local air conditioner and produces less than 65dB(A) sound energy.



R290