

# electriciQ

## USER MANUAL



### **STORM80E** **EVAPORATIVE COOLER**

Thank you for choosing electriciQ  
Please read this user manual before using this innovative Air Cooler and keep it safe  
for future reference.

Visit our page [www.electriQ.co.uk](http://www.electriQ.co.uk) for our entire range of Intelligent Electricals

# **CONTENTS**

<b>SAFETY INSTRUCTIONS</b>	<b>3</b>
<b>FEATURES</b>	<b>4</b>
<b>HOW EVAPORATIVE AIR COOLERS WORK</b>	<b>5</b>
<b>DIAGRAM</b>	<b>6</b>
<b>INSTALLATION</b>	<b>6</b>
<b>OPERATION</b>	<b>7</b>
<b>FILLING THE WATER TANK</b>	<b>7</b>
<b>MAINTENANCE</b>	<b>8</b>
<b>TROUBLE SHOOTING</b>	<b>9</b>
<b>APPENDIX</b>	<b>9</b>
<b>TECHNICAL DATA</b>	<b>10</b>
<b>SUPPORT</b>	<b>10</b>

## **SAFETY INSTRUCTIONS**

### **IMPORTANT!**

- Carefully read the instructions before operating the unit
- This appliance is for indoor use only. Any outdoor use must be supervised and the unit must not be exposed to wet conditions such as rain.
- 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 cooler 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 changing filters, dismantling, assembling or cleaning.
- Avoid touching any moving parts within the appliance.
- Never insert fingers, pencils or any other objects though 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.
- This appliance is designed for personal comfort and so should not be left unattended for extended periods.
- 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.
- Never use the plug as a switch to start and turn off the air unit. Use the provided ON/OFF switch located on the control panel.
- Always place the unit on a dry and stable surface. Do not move or tilt the unit while the water tank is full.
- The appliance should not be installed in laundry or wet rooms.
- Do not use this unit in environments with flammable and explosive gases.
- Avoid keeping the unit in direct sunlight for a long period of time.

## 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.
- Please make sure, while in operation, the water in the water tank does not exceed the **MAX** level and does not fall below **MIN**.
- 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.
- In order to achieve maximum efficiency please place the unit near an open door or window. Evaporative Air Coolers work with an evaporative cooling mechanism which requires cross ventilation
- This unit will lose efficiency if the relative humidity in the room exceeds 60%
- The ambient operating temperature range is from 5°C to 40°C.  
If used in low temperatures (as a humidifier) it is recommended to fill the water tank with warm (but not hot) water.

## FEATURES

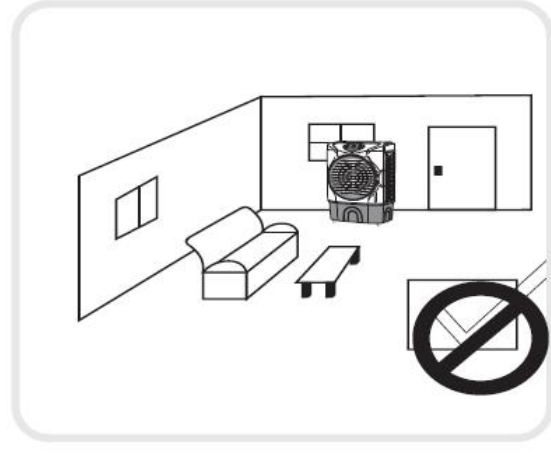
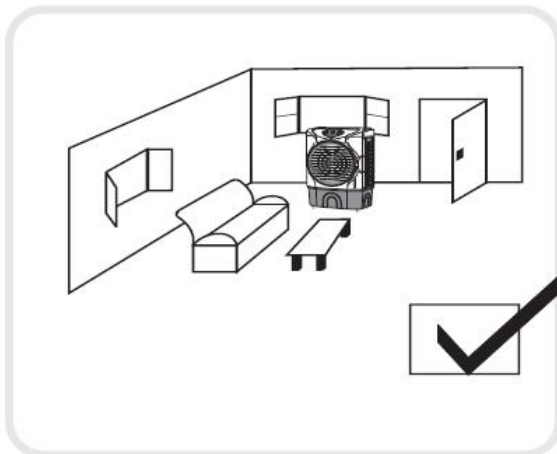
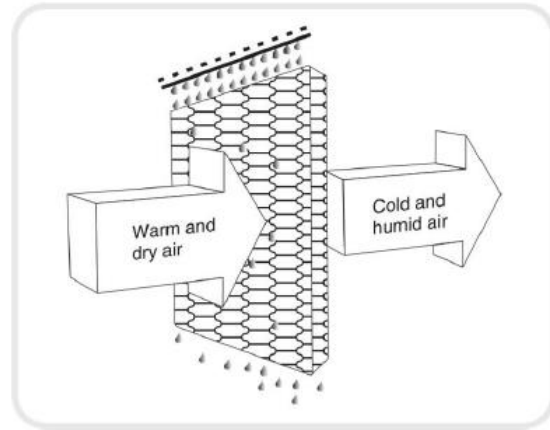
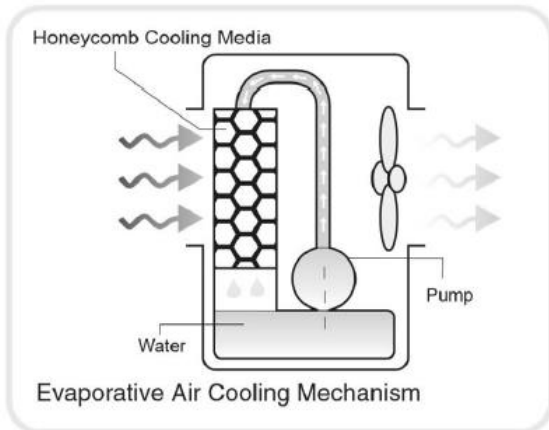
- Air Cooler, humidifier and air cleaner great in well ventilated large rooms and commercial spaces
- Very powerful air throw, perfect for industrial spot cooling
- Ideal for large areas, warehouses, dining rooms, exhibition rooms, patios, terraces, restaurants, temporary outdoor events, marquees and more
- Alternative spot cooling solution for rooms and spaces which cannot be sealed or traditionally air conditioned
- 3 fan speeds and oscillation setting for improved air flow: low, medium and high speed allowing adjustment between maximum cooling and quiet operation
- Honeycomb Filter for improved cooling and air cleaning
- Easy to use controls.
- Handle and wheels for great mobility
- Powerful air throw with directional swing for faster cooling
- Large easy to fill 80 litre tank for almost full day operation

## SPECIFICATIONS:

- Air flow: up to 10,000 m<sup>3</sup>/hr
- Water tank: 80 Litres
- 3 speed fan: low / medium / high
- Versatile and mobile
- High efficiency honeycomb cooling pads
- Swing function
- 1 hour timer

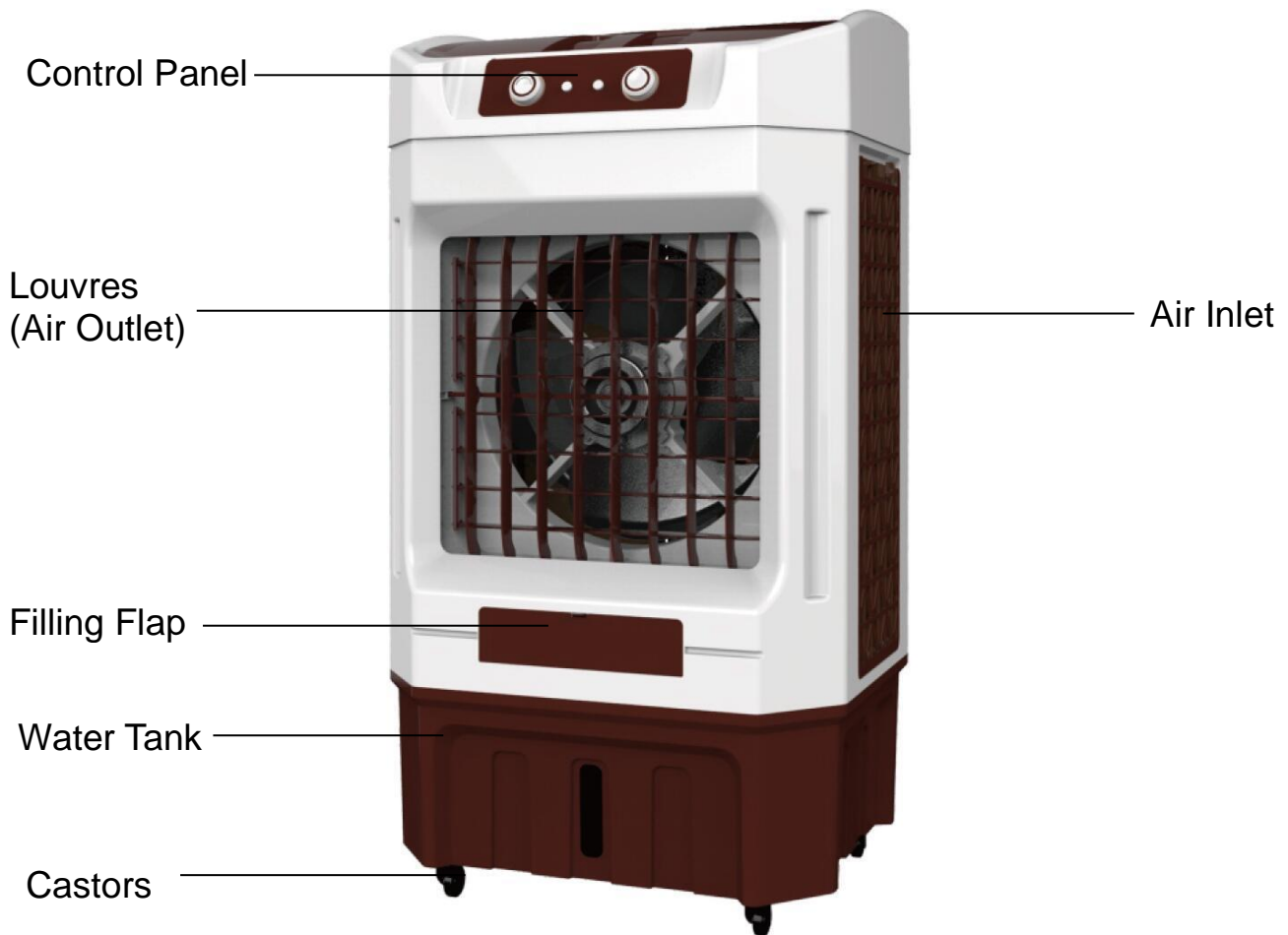
## HOW EVAPORATIVE AIR COOLERS WORK

The air cooler cools the air by means of evaporation. When water evaporates into the air, the result is a mixture of air and water molecules. This chemical change requires heat which is taken from the water molecules, resulting in a spot cooling effect.



- The recommended relative humidity for optimum operation is 60% or lower. A drier climate makes for more noticeable cooling.
- The evaporative air cooler should not be used in enclosed or sealed spaces. It must be kept level and there must always be water in the water tank. Doors and windows should be open to allow free air flow. The evaporative air cooler works best when placed near an open window/air current.
- When the product is used for the first time the Honeycomb cooling media will have an odour, this should dissipate within a week of use.

## DIAGRAM

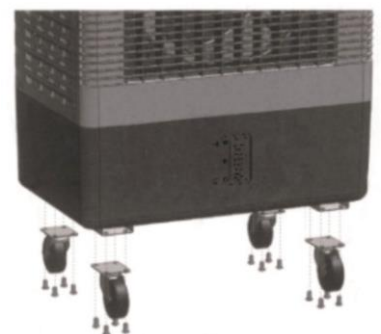


## INSTALLATION

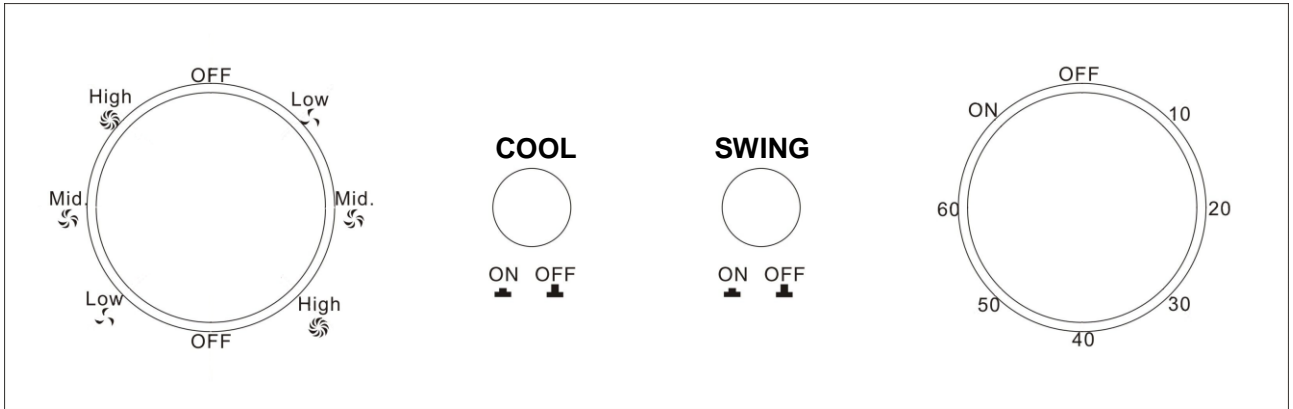
This unit can easily be moved from one room to another. While moving the unit please note that it must always be kept upright and then placed on an even surface.

- Remove any packaging - keeping the air cooler in a vertical position.
- Attach the castors to the base of the appliance using the supplied screws.
- Make sure all parts are present and the unit is assembled correctly
- **WATER TANK:** Fill the water tank through the filling slot on the front of the unit with water or ice ensuring it does not go above the **MAX** level.
- Make sure that the honeycomb filter is properly inserted at the back of the unit.

Connect the power plug to a working socket, and then press the power button.



## OPERATION



<b>LEFT DIAL</b>	<b>FAN SPEED</b> Turn to select the fan speed between High, Mid, Low and Off
<b>COOL BUTTON</b>	Press to activate cooling mode. Please note when cooling mode is not activated, the appliance will work as a fan / air purifier.
<b>SWING</b>	Press to activate the swing mode. The airflow will gently swing from left to right. The vertical direction of the airflow can be adjusted manually.
<b>RIGHT DIAL</b>	<b>TIMER</b> Twist to select the duration of the timer in minutes, or move to the ON position for continuous operation.

## FILLING THE WATER TANK

Before turning on the cooling function, please add water to the tank. The appliance can be used without water in air cleaner mode.

Before filling with water, open the water inlet on the front of the appliance, fill the water tank slowly and then return the water inlet into the original position. Only use clean tap water and do not fill the water beyond the maximum water level

**Note:** It is completely normal and in no way dangerous if the device has a slight odour or the water tank has slight discoloration when used for the first time.

## **MAINTENANCE**

### **CLEANING**

**ATTENTION: Please turn off the appliance and disconnect from the mains before cleaning or performing any maintenance.**

#### **CLEANING 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.
- Make sure no water enters the control panel.

#### **CLEANING THE WATER TANK**

- Unplug the appliance then remove the honeycomb filter from the rear.
- With a cloth (dipped in a mild detergent), wipe the water tank, rinse it with water.
- Draining the water reservoir and refilling with fresh water at least once a week will help reduce any mineral deposits and keep the filters clean.
- Do not run the unit in cooling mode with stale water in the tank.
- We recommend emptying the tank and refilling it with fresh water if water has been standing in the tank for an extended period of time.

#### **MAINTAINING AND CHANGING THE HONEYCOMB FILTER PADS**

The appliance is supplied with a set of 3 honeycomb cooling / filters pads (back and sides). The cleaning frequency for the honeycomb filters depend on local air and water conditions. In areas where the mineral content of the water is high (hard water), mineral deposits may build up on the honeycomb filter and restrict air flow. If mineral deposits remain on the honeycomb pads, the filter should be removed and washed under fresh water. We recommend cleaning the honeycomb filter at least every two months, depending on your needs.

For best results, allow the honeycomb filter to dry after each use by turning off the cooling function for 15 minutes (with empty water tank) before turning the unit off.

Unplug the power cord, then remove the filter frame, by removing the screws holding it in place and lifting to remove from the appliance. Lift the honeycomb filters out of the appliance. With a mild detergent and a soft brush, scrub the honeycomb filter, clean with water and dry. Do not dip in water.

#### **END OF SEASON MAINTENANCE**

1. Empty the tank and wash it with warm soapy water.
2. Dry the tank and clean the Honeycomb pads
3. Store any Icepack you may use in the water tank
4. Cover the unit and keep it in a dry place.



## TROUBLESHOOTING

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

Issue	Possible Reason	Solution
No power	<ol style="list-style-type: none"> <li>1. Power cord is not plugged in</li> <li>2. No power from the socket.</li> <li>3. Honeycomb filter support is not installed correctly</li> <li>4. A fan speed button has not been pressed.</li> </ol>	<ol style="list-style-type: none"> <li>1. Connect the power cord</li> <li>2. Check socket is switched on – test with a different appliance.</li> <li>3. Install the honeycomb filter correctly.</li> <li>4. Press a fan speed button</li> </ol>
No dust elimination	<ol style="list-style-type: none"> <li>1. The honeycomb filter is blocked.</li> <li>2. The air inlet is blocked</li> </ol>	<ol style="list-style-type: none"> <li>1. Remove the honeycomb filter and clean it.</li> <li>2. Remove the obstruction</li> </ol>
Odour emission from unit	<ol style="list-style-type: none"> <li>1. New unit. When the unit is used for the first time, the Honeycomb cooling media will have an odour, which will dissipate within a week of use</li> <li>2. Honeycomb filter may have developed mould or bacterial growth</li> </ol>	<ol style="list-style-type: none"> <li>1. No action required</li> <li>2. Clean the filter pads with mild antibacterial solution. Dry before use.</li> </ol>

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

## APPENDIX



Disposal: Do not dispose this product as unsorted 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

Model Number: STORM80E			
Description	Symbol	Value	Unit
Water Tank		80	Litres
Voltage		220-240	V
Frequency		50	Hz
Power		380	W
Maximum fan flow rate	F	166.6	m <sup>3</sup> /min
Fan Power input	P	380	W
Service Value	SV	0.4	(m <sup>3</sup> /min)/W
Standby Power Consumption	P <sub>SB</sub>	<0.5	W
Fan sound power level	L <sub>WA</sub>	<65	dB(A)
Maximum air velocity	c	12	Meters/sec
Size (LxWxH)	751x538x1465		mm
Net weight		36	kg
Measurement standard for service value	SV = F/P (EU) No 206/2012		
Contact details for obtaining more information	electriQ, Unit J6, Lowfields Way Elland, West Yorkshire, HX5 9DA		

## 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: 0330 390 3061 or complete the online form

1. Is the unit plugged into the mains?
2. Is the fuse OK?
3. Switch the unit off and wait three minutes to see if the issue is resolved. Restart the unit.

Office hours: 9AM - 5PM Monday to Friday

www.electriQ.co.uk  
Unit J6, Lowfields Way  
Elland, West Yorkshire  
HX5 9DA