

ELITE
BCE45LV2 & BCE60LV2 –
OPERATION AND SAFETY USER
MANUAL

USER MANUAL

CONTROLLED DOCUMENT No.: 00234UIRS0123V1



IMPORTANT SAFETY INSTRUCTIONS

Before using this product, please read this user manual, if you do not understand any of the instructions within, please do not use the product and consult your retailers or the manufacturer. Failure to follow these instructions may result in damage to the product, property and/or cause personal injury to the user or bystanders.

SAFETY, OPERATION & MAINTENANCE INSTRUCTIONS FOR: BCE45LV2 & BCE60LV2

KEEP THIS BOOKLET FOR FUTURE REFERENCE

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Inspect your new product

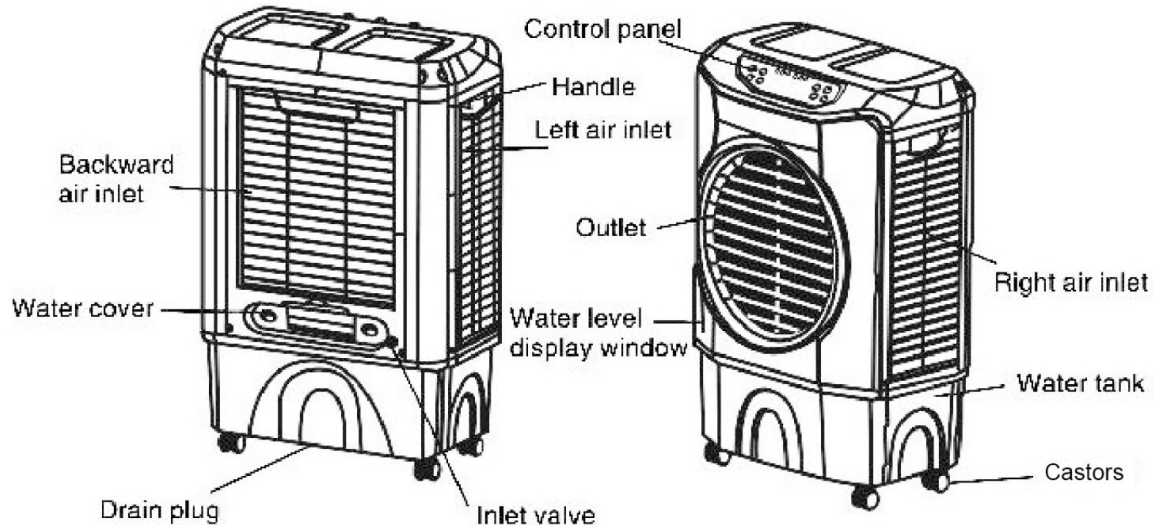
Thank you for purchasing the **Elite BCE45LV2 & BCE60LV2** manufactured to the highest standards drawing upon over 20 years' experience supplying the UK hire and construction industry, this product will, if used in accordance with these operating instructions, labels affixed to the product and properly maintained, provide you with many years of reliable service.

The Elite evaporative air coolers use the “evaporation reduces air temperature “, principle. It uses the water saturated cooling pad located on the sides and back of the unit to add moisture to the air therefore reducing the air temperature and increasing the humidity to provide the user with a more comfortable environment and cooling effect.

Water is sprayed onto the filtered cooling pads by continuously pumping and recycling the system water, this water then evaporates as the hot air is passed through these saturated filtered cooling pads. This filtered, oxygen enriched water-cooled air is blown out into the area creating a cooler workplace.

Evaporative air coolers are energy efficient saving both running costs and the planet compared to other air-cooling products.

Product Key Component Identification –



General Safety Information

Do not position the cooler up against the wall and position near any other structure that may restrict the air flow around the unit. Ensure a 1-meter gap is observed around the unit when in use.

Always ensure there is sufficient air flow around all sides of the unit.

When not in use always remove the unit from the power supply.

When removing the plug from the socket always do so by holding and pulling the main body of the plug and NOT the cable.

DO NOT modify this equipment to do tasks other than those intended, this will invalidate your warranty, product approvals and pose a risk to the user, bystanders, and property.

DO NOT use in an enclosed environment. There must be sufficient air flow for the unit to function correctly and perform to its full capabilities.

Never leave the unit running unattended.

DO NOT use the equipment if there is any damage noted on the mains inlet cable.

Ensure the mains cable does not present a trip hazard.

DO NOT run the main cable across walkways, paths or in front of doors / doorways. Once the cable has been routed into the desired position please secure. Also consider and avoid sharp edges, water and chemicals when positioning the cable.

Ensure the cable is fully unwound before use.

If the external mains cable is damaged, it shall be exclusively replaced by the manufacturer or his service agent or a similar qualified person in order to avoid hazard.

In some applications it may be necessary to complete a risk assessment and method statement on the use of this product. Please note this is the responsibility of the user to consider all foreseen and unforeseen risks and mitigate where possible.

Reading, understanding and adhering to these user instructions is essential for safe use and sufficient product training.

Ensure the equipment is connected to the correct voltage, refer the equipment's rating plate before connection and switching on.

Caution

DO NOT use the equipment if there are any signs of damage that may present a hazard in use. If you are unsure seek advice from a qualified person, retailer, or the manufacturer.

It is recommended this unit is used with an RCD device.

Ensure your hands are dry when connecting, using, and disconnecting an electrical appliance.

Always make sure the plug fuse and any other circuit protection is of the correct rating, refer to the product's rating label. If you are unsure, please contact either the reseller or manufacturer for assistance.

DO NOT leave the unit plugged in and/or running unattended where young children or infirm people may be able to touch the unit.

Always ensure children and people with reduced mental capabilities are supervised at all times where the unit is used and in operation.

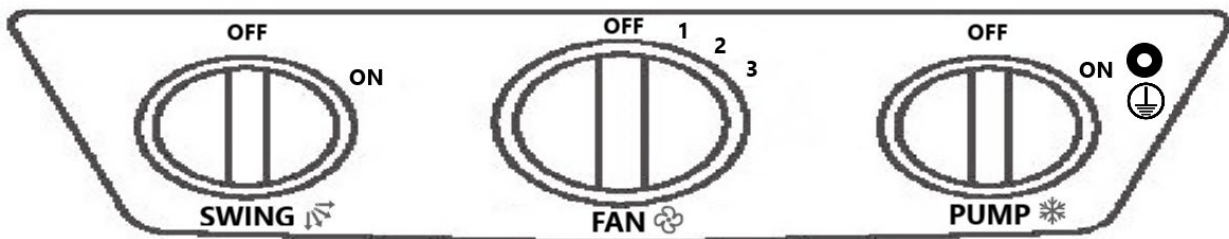
DO NOT USE IN COMPUTER SERVER ROOMS OR ANY AREAS CONTAINING MOISTURE SENSITIVE ELECTRONIC EQUIPMENT WHERE INCREASED AIR HUMIDITY CAN DAMAGE THIS EQUIPMENT. If in doubt consult your supplier for advice and

Installation and Set-up

Assembly instruction and any other consideration for the safe set-up of the product.

- Remove packaging used to secure product in transit including any materials to protect the cooling pads
- Attach castors to the bottom of the unit. For the BCE45LV2 the castors attach directly onto the base moulding. For the BCE60LV2 the castors are affixed to a moulded castor bracket, connect these brackets directly onto the base.
- The following tools will be required to complete the assembly requirements - **PZ2 – pozi-drive screwdriver**
- Choose either of the following two methods to fill the unit with water:
 - A. Automatic - Attach a ½" hose connector to the fill inlet on the equipment.
 - B. Manual – Open the water inlet door and fill.
- ❖ **ALWAYS ENSURE THE EVAPORATIVE AIR COOLER IS UNPLUGGED WHILST FILLING WITH WATER.**
- ❖ **DO NOT EXCEED THE MAXIMUM WATER LEVEL SHOWN ON THE WATER LEVEL DISPLAY**
- Turn the equipment on by turning the “FAN” switch dial to either LOW or HIGH

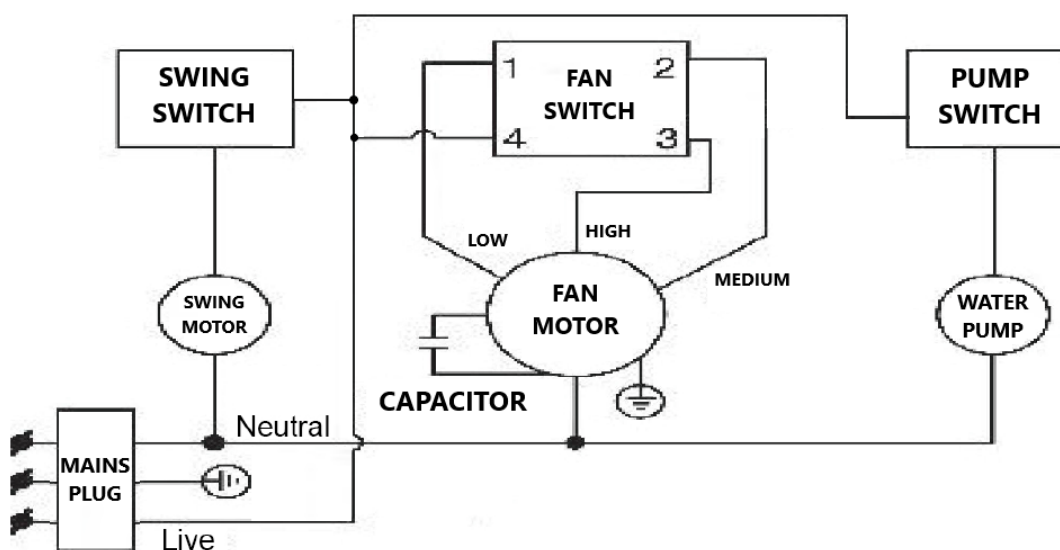
Control Panel



1. **SWING:** Controls the swing function to direct the air over a greater area.
2. **FAN:** Turn clockwise to control the speed of the fan. There are 3 speed setting, LOW, MEDIUM, and HIGH
NOTE: The Elite Evaporative Air Cooler can be used in fan only mode without water
3. **PUMP:** Once in the on position the water will start to recirculate and give the unit the cooling function

NOTE: There is a dedicated earth point clearly identified on the control panel for Class I earth continuity testing.

Wiring Diagram



Maintenance, testing and troubleshooting

- To maximise the performance of the Elite Evaporative cooler it is suggested to drain the water completely at the end of each day. This will ensure the prolonged life of the cooling pads and help prevention of mineral deposits inside the unit.
- Only use clean cold water inside the unit.
- Once a month ensure the unit is emptied and cleaned thoroughly using a sterilising, non-toxic cleaning fluid/tablet.
- Visually check the outside of the unit and the power cable, including the plug, before every use for any damage.
- The Evaporative Cooler is a Class 1 appliance and therefore must be earth. The earth test point can be located on the front control panel where the earth symbol can be found.



Earth Symbol

Fault	Possible Cause	Possible Solution
No air flow	<ol style="list-style-type: none"> 1. Unit is not plug in. 2. No power to equipment. 3. Air inlets blocked 4. Faulty fan motor 	<ol style="list-style-type: none"> 1. Make sure the unit is plugged in and switched on. 2. Check the mains power supply 3. Check for obstructions. 4. Replace fan motor
Not cooling / unit is making a noise	<ol style="list-style-type: none"> 1. Pump has not been turned on. 2. Low or no water in the tank. 3. Blocked water inlets to cooling pads 4. Damaged pump 	<ol style="list-style-type: none"> 1. Turn on pump / cold air function on the control panel. 2. Refill the water tank. 3. Flush unit with warm water and de-scaler and sanitising solution. 4. Contact the supplier for replacement part.
Bad odour	<ol style="list-style-type: none"> 1. When the cooler is new / first used. 2. Unit has not been properly maintained. 	<ol style="list-style-type: none"> 1. When the unit is used for the very first time, an odour can sometimes be noted. This will only last several hours and then clear. Operate in a well-ventilated area upon first use. 2. Clean the unit including the cooling pads with a non-toxic cleaning solution.

Storage & Transport –

Correct storage and recommended storage both short term and long term.

- Ensure the product is thoroughly emptied and dry before handling and storage. Dry using a lint-free cloth
- Remove cooling pads and rinse with fresh clean warm water to remove any dust or debris. Leave them to dry thoroughly before fixing them back in the unit.
- Coil the mains cable onto the integral cable management and retain in position for protection.
- Where possible retain and use the original packaging for prolong periods of storage. If this is not possible use a clean cloth or dust sheets.

Specification Data Table

Model	Elite BCE45LV2	Elite BCE60LV2
Power Supply (V)	230VAC 50Hz	230VAC 50Hz
Power – Motor (W)	120	150
Power – Pump (W)	18	18
Air Volume (m ³ /h)	4500	4700
Cooling Effect (°C)	4-12	4-12
Cooling Area (m ²)	30-50	30-60
Size (mm) WxDxH	680x420x1050	680x420x1250
Noise (dBA)	≤40	≤45
Weight (kg)	15.5	18.5
Fan Type	Axial	Axial
Control Interface	Manual Controls	Manual Controls



ENVIRONMENTAL PROTECTION: Please recycle any unwanted materials as opposed to disposing them as general waste. It is recommended the original packaging is retained and used to store the product when not in use for prolonged periods of time. If this is not applicable ensure the materials are sorted and recycled in accordance with local regulations.

SPECIFICATION CHANGE: It is our policy to continually improve products to ensure these meet the rigours of the industry we serve. Therefore, as such we reserve the right to alter specifications, data and components parts without prior notice.



WARRANTY: All Elite products come with a 1-year warranty from date of purchase, proof of which will be required in the event of any claim.

IMPORTANT: No liability will be accepted for the incorrect use of this product.



This marking indicates that this product should not be disposed with other household wastes throughout the EU. To prevent possible harm to the environment or human health from uncontrolled waste disposal,

Recycle it responsibly to promote the sustainable reuse of material resources. To return your used device. Please use the return and collection systems or contact the retailer where the product was purchased. They can take this product for environmentally safe recycling



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