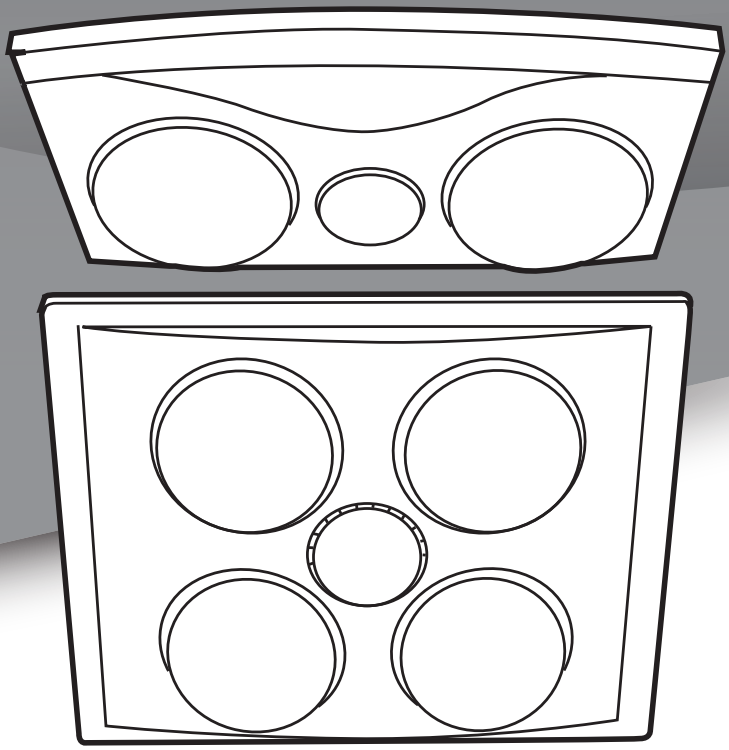
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# Installation & User Guide



## 3 in 1 Bathroom Heater

VBHE-2L (2 x 275W)
VBHE-4L (4 x 275W)
230V~; 50Hz

IMPORTANT: PLEASE READ AND SAVE THESE INSTRUCTIONS

## IMPORTANT INSTALLATION, USE2 & WARRANTY INSTRUCTIONS

Thank you for your purchase of the Voltex 3 in 1 Bathroom Heater (appliance). Please read these instructions carefully before installing and using the appliance. Keep the instructions handy for future reference.

**IMPORTANT:** This appliance must be installed in accordance with national and local council building regulations, and the Australian and New Zealand wiring rules AS/NZS 3000 latest edition thereof.

**ALL ELECTRICAL WORK MUST BE CARRIED OUT BY A LICENSED ELECTRICAL CONTRACTOR OR ELECTRICIAN.**

**CAUTION:** The appliance should not be installed directly above a bath, shower or fixed water container. The appliance must not be installed in a position where water may splash onto the appliance.

**PLEASE READ ALL INSTRUCTIONS CAREFULLY BEFORE USING THE APPLIANCE**

## GENERAL SAFETY WARNINGS

To reduce the risk of fire, electrical shock or injury to persons or property:

1. Use this appliance only as described in this manual. Any other use not recommended by Voltex Electrical may cause fire, electric shock, or injury to persons and void the warranty. If you have questions, please contact Voltex Electrical at first.
2. Always operate the appliance from a power source of the same rated voltage, frequency and power input as indicated on the appliance identification place.
3. This appliance is intended for household use and similar applications only.
4. This 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 supervision or instruction concerning use of the appliance by a person responsible for their safety. Children should be supervised to ensure that they do not play with the appliance.
5. Do not operate any appliance after the appliance malfunctions, or is dropped or appears damaged in any way.
6. There are no user-serviceable parts inside the appliance. Contact your local electrician if servicing or maintenance is required.

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7. This appliance is designed for indoor use only.
8. Do not allow any foreign object to enter through the facia opening or outlet as this may damage the appliance and/or the user.
9. The appliance shall, under no circumstances, be covered with insulating material or similar material.
10. Do not locate the appliance immediately below a socket-outlet.
11. This appliance is designed to provide infra-red radiant heat to warm the body while drying, when standing directly underneath. It is not designed as a room heater.
12. **WARNING:** This appliance is not equipped with a device to control the room temperature. Do not use this heater in small rooms when they are occupied by persons not capable of leaving the room on their own, unless constant supervision is provided.
13. **WARNING:** Curtains and other combustible material may ignite if in contact with the appliance or if the appliance is installed to close.
14. Make sure that the power is OFF before installation.
15. When cutting into the mounting surface, do not damage electrical wiring and other hidden utilities.
16. The appliance must be properly connected to the protective earthing conductor in the fixed wiring of the installation.
17. Precautions must be taken to avoid the back-flow of gases into the room from the open flue of gas or other fuel-burning appliances
18. FOR SAFE USE OF THIS APPLIANCE, AFTER INSTALLATION, DISCONNECTION OF THE APPLIANCE FROM THE SUPPLY SHALL BE POSSIBLE. MEANS FOR ALL POLE DISCONNECTION MUST BE INCORPORATED IN THE FIXED WIRING IN ACCORDANCE WITH THE WIRING RULES.

## IMPORTANT CONSIDERATIONS BEFORE INSTALLING

A few minutes planning can make a big difference to the installation time and to your satisfaction with the function of the appliance.

1. For the exhaust fan to work efficiently, replacement air of a volume equivalent to what is being extracted must be able to enter the room. In general, this air would be drawn under the door, or through a slightly open window. If the room is airtight, the fan will function poorly.
2. This appliance is designed for installation in flat ceilings ONLY. Do not mount it on a sloping ceiling or a vertical wall.
3. Before commencing any cutting, check that there are no obstructions such as ceiling joists and that there is sufficient height clearance or the housing and routing of the duct. Check that the electrical wiring can be routed from the wall switches to the mounting location.

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## INSTALLATION

Remove all packaging from the appliance before commencing installation. Ensure the circuit has been isolated from the mains supply BEFORE commencing work.

1. Locate in accordance with the requirements of the wiring rules relating to damp situations. National and local council regulations concerning the discharge of air must also be fulfilled
2. For installation where external venting is required or is your choice, select a suitable location in the exterior side wall or under the eave to vent out the exhausted air/steam and cut out a Φ105mm hole. NOTE: Make sure the ducting will reach from the centre of installation of the appliance to the external vent.
3. Put one end of the 100mm ventiduct through the hole and secure the duct to a suitable outlet grill and if necessary seal the join with duct tape and seal space around the hole using a suitable sealant where necessary. Fix the outlet grill to the wall/eave.
4. Choose a suitable mounting location in the ceiling and at least 400mm away from any walls.
   Note: the appliance should not be located where it may come into contact with water for example above a shower or bath.
5. Use the template card provided as a hole cutting template (VBHE-2L: 345x190mm or VBHE-4L: 290x290mm).
6. The Infra-red lamps heat by direct radiation rather than by heating the air in the room, so the appliance should be located directly over where drying occurs.
7. The appliance has been designed for use on ceilings between 2.4m and 2.7m in height and must be installed with the lowest point at least 2.1m above the floo
8. **CAUTION:** Ensure that the intended hole will have suitable room to locate the unit and that it will not interfere with joists or the ceiling structure. Joists, beams and rafters shall not be cut or notched to install the appliance.
9. There must be adequate clearances. Make sure a minimum distance of 1m is maintained between the appliance and any illuminated flammable materials and 400mm between the appliance and any wall. There should be a minimum of 300mm height clearance in the ceiling for objects above the housing. A minimum of 30mm clearance is required around the hole for the appliance, the vertical sides of the appliance and any adjoining parts of the roof structure, such as joists or insulation batts.

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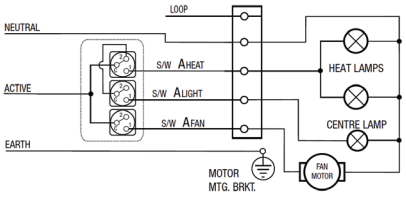
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10. Use the template card provided as a hole cutting template to mark out the intended hole for mounting the appliance (it may be safer to mark the position from above the ceiling where obstructions are clearly visible, rather than from inside the room).
11. Carefully cut around the line. Several holes drilled at a point inside the marking will provide a convenient starting point for cutting the panel out.
12. Remove all lamps from the appliance being careful not to damage the lamps when removing, storing or replacing. Unfasten the internal facia retaining springs inside the housing. Remove the facia.
13. Unscrew the terminal cover and make the electrical connections (as per Figure 1. Wiring diagram below). Once the wiring is connected, replace the terminal cover and locate cabling to allow room for the appliance to be positioned in the ceiling cavity.
14. Choose an optimal direction to insert the housing into the hole in accordance with the position of fan outlet.
15. Push the body of the appliance into the hole in the ceiling duct side first. Pull the spring clips inward to avoid damage to the ceiling, then release so the spring clips can grip. Ensure that the appliance is held securely by the clips.
16. If adequate support is not available for the appliance, it may be necessary to provide extra strengthening. Screws may be used to aid in holding the unit in the ceiling. Screw holes are located in the flange of the housing for this purpose.
17. Hold the Fascia against the body of the heater and the ceiling and attach the securing spring clips to hold the Fascia in place.
18. Replace the lamps – ensure they are tightened sufficiently to make good electrical contact but don't overtighten. Clean all lamps ensuring no finge prints or oil residues are left on the heat lamps after insertion.
19. Unscrew the terminal cover and make the electrical connections as per the Wiring Diagram below. Once the wiring is connected, replace the terminal cover and locate cabling to allow room for the appliance to be positioned in the ceiling cavity.
20. Secure wiring away from the housing.
21. Secure the free end of the ducting to the outlet of the appliance.
22. **WARNING:** The appliance shall, under no circumstances, be covered with insulating material or similar material.
23. After installation ensure that any drain holes are free from obstruction.
24. Switches and other controls must not be located where they can be touched by a person in the bath or shower.
25. Reconnect the power.
26. Switch on appliance and check correct function and switch operation.
27. Your installation is now complete.

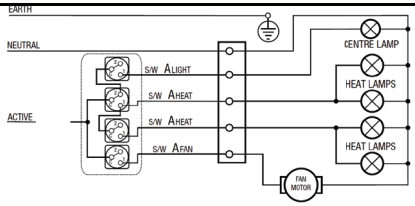
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Figure 1. Wiring Diagram

VBHE-2L




VBHE-4L




## OPERATION

Exhaust fan, centre lamp and heat lamps may all be operated individually or together.

**CAUTION:** If the lamps are left on for extended periods without the exhaust fan, the fan may commence operation automatically to keep the unit operating at a safe temperature. When the appliance has cooled sufficiently the an will switch off.

## CARE INSTRUCTIONS

**WARNING:** Ensure the appliance is switched off from the mains power supply first using the all-pole switch installed in the fixed wiring. Lamps must be allowed to cool sufficiently before cleaning or replacement.

It is recommended the appliance be checked and cleaned every 2 years. Wipe facia with care using a damp cloth. The lamps may be cleaned with liquid glass cleaner. The inner housing and fan blade may be cleaned with a dry cloth or with a vacuum cleaner with suitable brush attachment.

Clean the exhaust ducting kit (where fitted), ensuring there are no obstructions along the way or at the exit.

**CAUTION:** To prevent damage to the appliance do not use alkaline cleaning agents or solvents when cleaning, use a soft cloth and a mild detergent.

## REPLACEMENT LAMPS

Ensure lamps are screwed well in after replacement to give good electrical contact.

Clean all heat lamps ensuring no finger prints or oil residues are left on them after insertion to prolong the lamp life.

**CAUTION:** Replacement with any other lamps other than those listed below may cause damage to the appliance and void the warranty

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| MODEL | HEAT LAMPS<br>Infra-red clear front type | CENTRE LAMP<br>Reflector type |
|---|---|---|
| VBHE-2L | 2 x E27, Max. 275W | E27, R63, Max. 42W |
| VBHE-4L | 4 x E27, Max. 275W | E27, R80, Max. 70W |

Voltex Electrical reserves the right to make improvements or changes to all information, drawing, data etc contained and/or described herein at any time and at its own discretion without prior notice.

## WARRANTY & SERVICE

Voltex warrants all of its bathroom heaters against defective workmanship and faulty materials for twenty-four (24) months from the original date of purchase.

Voltex undertakes, at its option, to repair or replace, free of charge, each product or part thereof subject to the below warranty conditions;

1. The fan or relevant part has not been modified, subjected to misuse, neglect, or been involved in an accident.
2. The repairs are not required as a result of normal wear and tear.
3. The product was installed by a licenced electrical contractor in accordance with this instruction manual.
4. No solid-state speed control device has been used with the appliance.
5. A copy of the original receipt of purchase is presented.
6. Lamps supplied are not covered by this warranty.

Contact Voltex Electrical on 1300 722 275 (Australia) or 0800 55 66 33 (New Zealand) for any warranty claims.


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