

CLARKE®



Only suitable for well insulated areas and not designed to be the primary heat source

2.8KW ELECTRIC HEATER (110V)

MODEL NO: DEVIL 3003B

PART NO: 6925126

OPERATION & MAINTENANCE INSTRUCTIONS



ORIGINAL INSTRUCTIONS

DL1123 Rev 1

INTRODUCTION

Thank you for purchasing this CLARKE product.

Before attempting to use this product, read this manual carefully. In doing so you guarantee the safety of yourself and that of others around you, and you can look forward to your purchase giving you long and satisfactory service

GUARANTEE

This product is guaranteed against faulty manufacture for a period of 12 months from the date of purchase. Please keep your receipt as proof of purchase.

This guarantee is invalid if the product is found to have been abused, tampered with, or not used for the purpose for which it was intended. Faulty goods must be returned to their place of purchase, no product can be returned to us without prior permission.

This guarantee does not effect your statutory rights.

SPECIFICATIONS

Operating Voltage / Frequency	110V / 50Hz
Maximum output	2.8kW (2 x elements 1.4kW)
Temperature Setting Range	0 to +40°C
Input Wattage:	
Fan only	0.04 kW
Heat Setting 1	1.4 kW
Heat Setting 2	2.8 kW
Required Power	25.5A
Max Air Output	570 m ³ /h
Safety Devices	Thermal cut-out
Ingress Protection	IPX0
Duty cycle	S1-continuous
Depth x Width x Height	255 x 255 x 390 mm
Weight	4.6 kg

THIS TABLE ADDRESSES THE INFORMATION REQUIREMENTS OF REG.2015/1188

Item	Symbol	Value	Unit
Heat output			
Measured seasonal space heating energy efficiency			36%
Nominal heat output	P_{nom}	2.8	kW
Minimum heat output (indicative)	P_{min}	1.4	kW
Maximum continuous heat output	P_{max}	2.8	kW
Auxiliary electricity consumption			
At nominal heat output	$e_{l_{max}}$	N/A	kW
At minimum heat output	$e_{l_{min}}$	N/A	kW
In standby mode	$e_{l_{SB}}$	N/A	kW

Item	Unit
Type of heat input for electric storage local heaters only	
Manual heat charge control with integrated thermostat	Yes
Manual heat charge control with room and/or outdoor temperature feedback	No
Electronic heat charge control with room and/or outdoor temperature feedback	No
Fan assisted output	Yes
Type of heat output/room temperature control (select one)	
Single stage heat output, no temperature control	No
Two or more manual stages, no temperature control	No
With mechanical thermostat temp control	Yes
With electronic temperature control	No
Electronic temperature control with day timer	No
Electronic temperature control with week timer	No
Other control options (multiple selections possible)	
Room temperature control with presence detection	No
Room temperature control with open window detection	No
Room temperature control with distance control option	No
Room temperature control with adaptive start control	No
Room temperature control with working time limitation	No
Room temperature control with black bulb sensor	No

SAFETY RULES

Make sure that you read, understand and comply with the following.



WARNING: THIS PRODUCT IS ONLY SUITABLE FOR WELL INSULATED AREAS AND IS NOT DESIGNED TO BE THE PRIMARY HEAT SOURCE.

SAFE WORKING PRACTICES

- **DO NOT** operate the heater when you are tired or under the influence of alcohol, drugs or intoxicating medication.
- **DO NOT** stand on the heater.
- **DO NOT** use the heater with wet hands or when there is water on the power cable.
- Turn the heater off when not in use and keep it in a safe, dry location.
- The heater is designed to heat enclosed areas larger than 4m³, such as workshops and other industrial areas. **DO NOT** use the heater for any other function. It is not suitable for drying clothes or laundry.

ELECTRICAL SAFETY



WARNING: THIS HEATER MUST BE EARTHED AND IS ONLY FOR USE WITH A 110VOLT SUPPLY.

- Regularly inspect the power cable / plug for signs of damage/looseness. **DO NOT** use the heater if the power cable is damaged.
- Minimise the risk of electric shock by installing a RCCB (Residual Current Circuit Breaker) and a suitable isolator into the main distribution board.
- Make sure that the voltage on the rating label is the same as the voltage of the power supply. If in doubt, consult a qualified electrician.
- **DO NOT** abuse the electrical cable. Never use the cable for pulling or unplugging the heater.
- Keep the cable away from sources of heat, oil, sharp edges or moving parts. Damaged or tangled cables increase the risk of electric shock.
- **DO NOT** use extension cables with this heater.

POSITIONING



WARNING: DO NOT USE THE HEATER NEAR FLAMMABLE MATERIAL, LIQUIDS, SOLIDS, GASSES OR COMPRESSED GAS CYLINDERS ETC.

- This heater is designed for indoor use only.
- **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.
- **DO NOT** use this heater in the immediate surrounds of a bath, a shower, a swimming pool or wet surfaces.
- **DO NOT** place the heater against any surface such as a wall, door or furniture etc.
- **DO NOT** place the heater immediately below any electrical outlet.
- **NEVER** place the heater near combustible materials, such as textiles, or curtains. Allow at least 2 metre clearance.
- **DO NOT** place the heater on a raised surface or anywhere where it could topple over.
- **ALWAYS** ensure that the grille cannot be blocked.
- **DO NOT** operate fan heaters in explosive atmospheres such as in the presence of flammable liquids, gasses or dust such as in a paint spray booth or any explosive environment. Electric motors create sparks which may ignite dust or fumes.
- This heater can be used by children aged 8 and above and persons with reduced physical, sensory and mental capabilities or lack of knowledge if they have been given instruction concerning the use of appliance in a safe way and understand the hazards.
- Children less than 3years should be kept away unless continuously supervised.
- Children should **NOT** play with this appliance.

OPERATION

- The heater must only be used by people who have read these instructions and have been trained in its use.
- **DO NOT** use if dropped.
- **DO NOT** use if there is visible signs of damage.
- **DO NOT** obstruct the air inlet and outlet sections of the heater.

- **DO NOT** cover the heater with anything that could restrict the air flow.
- **DO NOT** touch the heater casing or grille when first switched off, as these will be very hot and will take time to cool.
- **DO NOT** get the heater wet or use in areas of high condensation.
- **DO NOT** allow the power lead to touch hot surfaces.
- **DO NOT** connect other appliances to the same mains socket as the heater.
- Only use the heater in a level and stable position.
- **DO NOT** use this heater with a programmable timer used to switch it on automatically.
- **DO NOT** leave the heater unattended.

MAINTENANCE.



WARNING: DISCONNECT THE HEATER FROM THE POWER SUPPLY BEFORE ANY SERVICING OR MAINTENANCE. THIS MUST ONLY BE CARRIED OUT BY THE CLARKE SERVICE DEPARTMENT.

- Check that the heater is in good working order. Take immediate action to have any damaged parts repaired or replaced by the Clarke service department.
- **DO NOT** allow the heating elements to become covered with dust which could become a fire hazard. If used in a dusty workplace it should be cleaned as described under Maintenance on page 9.
- Only recommended parts should be used. Unapproved parts may be dangerous and will invalidate the warranty.
- Have your heater repaired by a qualified person using identical replacement parts. This will ensure that the safety of the heater is maintained.

SAFETY SYMBOLS

These safety symbols appear on the heater.

	<p>Hot Surface, DO NOT Touch</p>	<p>DO NOT COVER</p>	<p>DO NOT Cover</p>
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ELECTRICAL CONNECTIONS



WARNING: READ THESE ELECTRICAL SAFETY INSTRUCTIONS THOROUGHLY BEFORE CONNECTING THE HEATER TO THE POWER SUPPLY.


This heater MUST be connected to a 110 Volt, 1 phase 50Hz supply through a suitably fused isolator switch. ON NO ACCOUNT MUST A 230V, 13AMP (BS1363) PLUG BE USED.

If the plug has to be changed because it is not suitable for your socket, or because of damage, it must be removed and a replacement fitted, following the wiring instructions shown below. The old plug must be discarded safely, as insertion into a power socket could cause an electrical hazard.



**WARNING: THE WIRES IN THE POWER CABLE OF THIS PRODUCT ARE COLOURED IN ACCORDANCE WITH THE FOLLOWING CODE:
BLUE = NEUTRAL BROWN = LIVE YELLOW AND GREEN = EARTH**

If the colours of the wires in the power cable do not agree with the markings on the plug.

- The BLUE wire must be connected to the terminal marked N or coloured black.
- The BROWN wire must be connected to the terminal marked L or coloured red.
- The YELLOW AND GREEN wire must be connected to the terminal marked E or  or coloured green.

We strongly recommend that this machine is connected to the mains supply through a RCCB (Residual Current Circuit Breaker).

NOTE: If a portable 110V transformer is used, make sure it has a rated capacity sufficient to take the load of the heater.

In the event that the heater is hard wired into the electrical system, it must be carried out in accordance with IEE regulations.

Any power supply provided by the user must be comparable with the power cable supplied with the heater, and any additional cables should not be allowed to cause a trip hazard.

If in any doubt, consult a qualified electrician. DO NOT attempt any electrical repairs yourself.

OPERATION



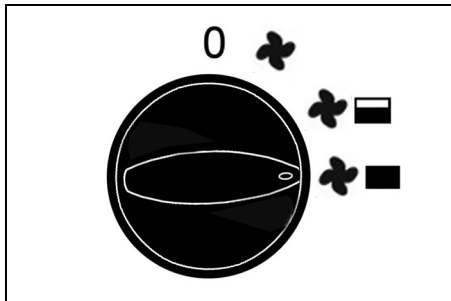
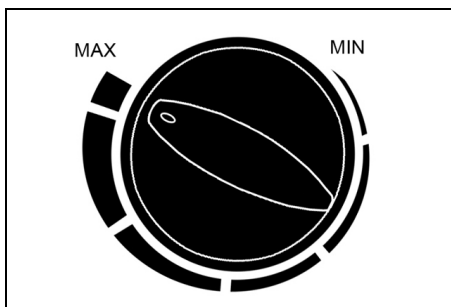
WARNING: DO NOT USE THIS HEATER IN SMALL ROOMS IF OCCUPIED BY PERSONS NOT CAPABLE OF LEAVING THE ROOM ON THEIR OWN UNLESS CONSTANT SUPERVISION IS PROVIDED.



CAUTION: SOME PARTS OF THIS PRODUCT CAN BECOME VERY HOT AND CAUSE BURNS. PARTICULAR ATTENTION HAS TO BE GIVEN WHERE CHILDREN AND VULNERABLE PEOPLE ARE PRESENT.

1. Put the heater in a level position on a flat surface and at a safe distance from flammable materials. Keep a minimum of 2m clearance all round.
2. Connect the heater to a suitable 110V power supply.
3. Set the thermostat control to the maximum setting (fully clockwise).
4. Set the mode selector to one of the 3 settings:

0	Off
	Fan only
	Fan + Heat Setting 1
	Fan + Heat Setting 2



5. Once the room reaches the required temperature, turn the thermostat control slowly counter-clockwise until the thermostat clicks. Leave the control in this position.
 - The room temperature will be maintained at this setting. The heater will continue to operate until the power switch is turned to the OFF position.

6. When not in use, disconnect the heater from the power supply. Store it in a safe, dry, childproof location.

SAFETY DEVICE

This heater is fitted with a thermal cut-out safety device which prevents the unit overheating.

If the thermal cut-out device is actuated, the heating elements will switch off and the fan will continue to run to cool the unit.

Allow time for the unit to cool (10 mins) before manually re-setting.

To re-set, firmly press the button located on the front panel using a suitable tool.



MAINTENANCE



WARNING: ALWAYS DISCONNECT FROM THE POWER SUPPLY AND ALLOW THE HEATER TO COOL DOWN BEFORE PERFORMING ANY MAINTENANCE TASKS.

- Clean the heater with a soft damp cloth, DO NOT use solvents or abrasives.
- Make sure that the heater grill is not blocked.
- No other maintenance is required, should you discover any problem with the heater, return it for repair.

FAULT FINDING

Problem	Possible Cause	Remedy
Heater does not operate, although plugged in with the selector switch and thermostat switched on.	Plug is loose/bad connection.	Pull the plug out & check the connection of the plug and socket.
	Fuse blown or circuit breaker has tripped.	Replace if necessary and investigate cause. If fuse blows repeatedly, consult your Clarke dealer.
	No power at socket outlet.	Insert the plug in a functioning socket.
Heating element glowing hot.	Input voltage too high.	Use a power supply in accordance with the rating on the product label.
	Air inlet grille is blocked.	Ensure the heater is kept away from any objects which could cover the air inlet or be drawn into it.
Heater has failed to heat up so only the air fan has operated.	Thermostat has tripped.	Turn the thermostat and listen. If there is no CLICK and the thermostat is not damaged, the heater will automatically switch ON when it has cooled down.
Abnormal noise.	Heater is not level.	Stand the heater on a level surface.

ENVIRONMENTAL RECYCLING POLICY



Through purchase of this product, the customer is taking on the obligation to deal with the WEEE in accordance with the WEEE regulations in relation to the treatment, recycling & recovery and environmentally sound disposal of the WEEE.

In effect, this means that this product must not be discarded with general household waste. It must be discarded according to the laws governing Waste Electrical and Electronic Equipment (WEEE) at a recognised disposal facility.

DECLARATIONS OF CONFORMITY



DECLARATION OF CONFORMITY

This is an important document and should be retained.

We hereby declare that this product(s) complies with the following legislation:

- 2009/125/EC Ecodesign Directive
- 2014/30/EU Electromagnetic Compatibility Directive
- 2014/53/EU Low Voltage Directive
- 2011/65/EU Restriction of Hazardous Substances (RoHS) Directive

The following standards have been applied to the product(s):

- EN 50564:2011, EN 60675:1995+A1:1996+A2:2016+A11:2019, EN IEC 61000-3-2:2019/A1:2021, EN IEC 55014-1:2021, EN IEC 55014-2:2021, EN 61000-3-3:2013/A2:2021, 60335-1:2012/A15:2021, 60335-2-30:2009/A12:2020, 62323:2006, EN 50525-2-21:2011, DIN EN 50525-2-21:2012-01, EN 60309-1:1989+A1:2007-A2:2012, IEC 60730-2-8:2015/AMD1:2018, EN 60309-2:1989+A1:2007-A2:2012, IEC 60730-2-8:2015/AMD2:2020, IEC 60730-1:2013/AMD1:2015, IEC 60730-1:2013, EN 61058-1:2016, EN IEC 61058-1:2018, IEC 60730-2-8:2015, IEC 62321-1:2013, IEC 62321-2:2021, IEC 62321-3:2014, IEC 62321-3:1:2014, IEC 62321-4:2014/A1:2017, IEC 62321-6:2015, IEC 62321-7:1:2015, IEC 62321-7:2:2017, IEC 62321-8:2017

The technical documentation required to demonstrate that the product(s) meet(s) the requirement(s) of the aforementioned legislation has been compiled and is available for inspection by the relevant enforcement authorities.

The CE mark was first applied in: 2023

Product Description: Electric Fan Heater
 Model Number(s): DEVIL 3003-B
 Serial/Batch Number: Refer to product/packaging label
 Date of Issue: 12/09/2023

Signed: 
 J.A. Clarke
 Director



DECLARATION OF CONFORMITY

This is an important document and should be retained.

We hereby declare that this product(s) complies with the following legislation:

- The Ecodesign for Energy-Related Products Regulations 2010
- The Electromagnetic Compatibility Regulations 2016
- The Electrical Equipment (Safety) Regulations 2016
- The Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment Regulations 2012

The following standards have been applied to the product(s):

- EN 50564:2011, EN 60675:1995+A1:1996+A2:2016+A11:2019, EN IEC 61000-3-2:2019/A1:2021, EN IEC 55014-1:2021, EN IEC 55014-2:2021, EN 61000-3-3:2013/A2:2021, 60335-1:2012/A15:2021, 60335-2-30:2009/A12:2020, 62323:2006, EN 50525-2-21:2011, DIN EN 50525-2-21:2012-01, EN 60309-1:1989+A1:2007-A2:2012, IEC 60730-2-8:2015/AMD1:2018, EN 60309-2:1989+A1:2007-A2:2012, IEC 60730-2-8:2015/AMD2:2020, IEC 60730-1:2013/AMD1:2015, IEC 60730-1:2013, EN 61058-1:2016, EN IEC 61058-1:2018, IEC 60730-2-8:2015, IEC 62321-1:2013, IEC 62321-2:2021, IEC 62321-3:2014, IEC 62321-3:1:2014, IEC 62321-4:2014/A1:2017, IEC 62321-6:2015, IEC 62321-7:1:2015, IEC 62321-7:2:2017, IEC 62321-8:2017

The technical documentation required to demonstrate that the product(s) meet(s) the requirement(s) of the aforementioned legislation has been compiled and is available for inspection by the relevant enforcement authorities.

The UKCA mark was first applied in: 2023

Product Description: Electric Fan Heater
 Model Number(s): DEVIL 3003-B
 Serial/Batch Number: Refer to product/packaging label
 Date of Issue: 12/09/2023

Signed: 
 J.A. Clarke
 Director

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