

Clarke®



DEVIL HALOGEN HEATERS

MODEL NO: 370PB, 370SPB, 371PB, & 371SPB

PART NO: 6926006, 6926001, 6926011, & 6926016

OPERATING & MAINTENANCE INSTRUCTIONS



ORIGINAL INSTRUCTIONS

GC0717 - ISSUE 1

INTRODUCTION

Thank you for purchasing this Clarke Quartz Halogen Infra-red Heater.

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

Please keep these instructions in a safe place for future reference.

GUARANTEE

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

This guarantee is invalid if the product is found to have been abused or tampered with in any way, or not used for the purpose for which it was intended.

Faulty goods should 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.

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 disposed of with general household waste. It must be disposed of according to the laws governing Waste Electrical and Electronic Equipment (WEEE) at a recognised disposal facility.

GENERAL SAFETY RULES

1. This heater is for indoor use only.
2. Do not expose the heater or power cable to rain or wet conditions. Any water entering the heater will increase the risk of electric shock. DO NOT use this heater in a bathroom, shower room or any other wet environment.
3. Do not place the heater closer than 1 metre from any combustible materials such as curtains, furniture etc.
4. Do not place the heater close to an adjacent wall or low ceiling. Allow a distance of at least 1 metre from a wall or ceiling. Avoid placing the heater directly below any power socket outlets.
- 5. Make sure that the wire guard is not covered.**
6. Do not operate the heater in an explosive atmosphere such as in the presence of flammable gases, dust or vapours, such as in a paint spray booth or any explosive environment.
7. Never stand the heater on a vehicle where it could tip over.
8. Do not allow the halogen tubes to become covered with dust which could become a fire hazard. If used in a dusty workplace the heater should be cleaned as described under Cleaning and Maintenance.
9. Do not touch the halogen tubes for at least 15 minutes after switching off.
10. Do not leave the heater unattended.
11. If children are present always use with a fireguard.
12. Store the heater out of the reach of children and do not allow any person unfamiliar with these instructions to operate it.
13. Do not use this heater with a programmable timer used to switch it on automatically.
14. Only use in an upright position. The tilt safety switch should operate if the heater tips over.
15. Always move the heater using the handles provided and avoid trapping the fingers between the handle and the heater body.

ELECTRICAL SAFETY

1. Electrical appliances must match the power outlet. Never modify the plug in any way. Do not use adaptor plugs with earthed (grounded) appliances. Correct plugs and outlets will reduce the risk of electric shock.
2. 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.

3. Keep the mains cable well away from any machinery and ensure an adequate electrical supply is close at hand so that the operation is not restricted by the length of the cable.
4. ALWAYS disconnect from the mains supply before moving the heater, or performing any cleaning or maintenance tasks.
5. Inspect the mains cable regularly for signs of damage. DO NOT use if it is damaged, and ALWAYS keep it away from the source of heat.
6. Check the heater for damage before use. DO NOT use if the halogen tubes are damaged or broken. Any damage should be properly repaired or the part replaced. If in doubt, **DO NOT** use. Consult your local Clarke dealer.

SERVICE & REPAIRS

1. If necessary, have your heater repaired by a qualified person using identical replacement parts. This will ensure that the safety of the appliance is maintained.

ELECTRICAL CONNECTIONS

DEVIL 370PB & 370SPB 230VOLT HEATER UNITS

The 370 models are provided with a 13 amp BS 1363 plug, fitted with a 13amp fuse and MUST be connected to a standard, 230 Volt (50Hz) electrical supply, preferably through a suitably fused isolator switch.

WARNING: THIS APPLIANCE MUST BE EARTHED



IMPORTANT: The wires in the mains lead should be wired up in accordance with the following colour code:

Green & Yellow	-	Earth
Blue	-	Neutral
Brown	-	Live

As the colours of the flexible cable of this appliance may not correspond with the coloured markings identifying terminals in your plug, proceed as follows:

- Connect the GREEN & YELLOW coloured wire to the plug terminal marked with a letter E or Earth symbol.
- or coloured GREEN or GREEN & YELLOW.
- Connect the BROWN coloured wire to the plug terminal marked a letter "L" or coloured RED
- Connect the BLUE coloured wire to the plug terminal marked a letter "N" or coloured BLACK.



If this appliance is found to be fitted with a plug which is moulded on to the electric cable (i.e. non-rewireable) please note:

1. The plug must be thrown away if it is cut from the electric cable. There is a danger of electric shock if it is subsequently inserted into a socket outlet.
2. Never use the plug without the fuse cover fitted.
3. Should you wish to replace a detachable fuse carrier, ensure that the correct replacement is used (as indicated by marking or colour code).
4. Replacement fuse covers can be obtained from your local Clarke dealer.

FUSE RATING

The fuse in the plug must be replaced with one of the same rating and this replacement must be ASTA approved to BS1362.

We strongly recommend that this machine is connected to the mains supply via a Residual Current Device (RCD).

DEVIL 371PB & 371SPB 110VOLT HEATER UNITS

The 371 models 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.

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.

UNPACKING AND ASSEMBLY

Before assembling, please check contents against the following list and advise your dealer immediately if any parts are missing.

- | | |
|--|----------------------------------|
| 1 x Heater | 2 x Quartz Halogen Tubes |
| 2 x Support Bars with casters (P only) | 1 x Frame with casters (SP only) |
| 2 x Locking Knobs (SP only) | 2 x Packing Pieces (SP only) |
| 1 x Handle | 1 x Fixings pack |

TOOLS REQUIRED

- 10mm & 14 mm spanner (370PB/371PB),
- 10 mm spanner (370SPB/371SPB).

DEVIL 370PB /371PB

1. Attach the support bars to the heater body using 14mm securing bolts supplied.
2. Attach the handle to the heater body using four bolts and plastic blocks supplied.
3. Unscrew the front guard and fit the halogen tubes (see page 7).

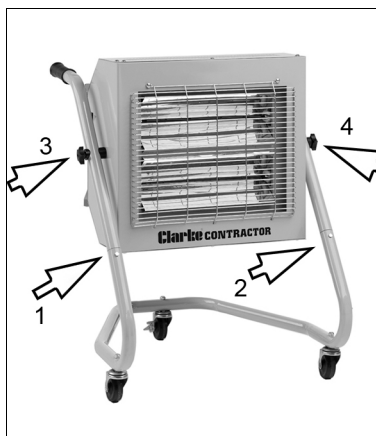


DEVIL 370SPB/371SPB

1. Bolt the three parts of the frame together at positions 1 & 2.
2. Attach the frame to the heater body as shown, using the locking knobs and the plastic packing pieces at positions 3 & 4.

NOTE: The larger packing piece should fit nearer the heater.

3. Unscrew the front guard and fit the halogen tubes (see page 7).



OPERATION

1. Place the heater where needed and lock the braked caster(s) to prevent it from moving. When moving the heater use the handles.
2. Slacken the locking knobs and rotate the heater body to the required angle. Tighten the knobs on each side to lock into place (SP models only).
3. Connect the mains cable to a suitable power supply.
4. Use the on/off switches to turn on either one, or both halogen tubes.

IMPORTANT: When using the SP model heaters, avoid tilting the heater downwards even though the tilt safety switch may cut in to prevent overheating of both the heater and the floor.

CLEANING & MAINTENANCE

If the heater has been in use always disconnect it from the power supply and let it cool down for at least 15 minutes before performing any cleaning or maintenance tasks.

PERIODICALLY

- If there is a build up of dirt, wipe thoroughly with a damp cloth. Take care that no moisture enters the heater. Take care NOT to touch the halogen tubes with your fingers.
- Check the mains cable for damage. Heat will cause the cable to stiffen and crack. If this is found, have the cable replaced. Check cable routing and ensure it is well away from the heat source.
- Ensure halogen tubes are free of dust (use compressed air to clean if possible. (ALWAYS wear a dust mask if performing this operation)
- Refer to your Clarke dealer if internal maintenance is required.
- When storing the heater, let it cool down, then keep it in a dry, ventilated place.

FITTING/ REPLACING QUARTZ HALOGEN TUBES

Before attempting to fit/replace halogen tubes, ensure the heater is switched off and isolated from the electrical supply.

Never hold the halogen tubes with bare hands. Always handle using either a soft clean glove or a piece of soft clean cloth wrapped around the tube.

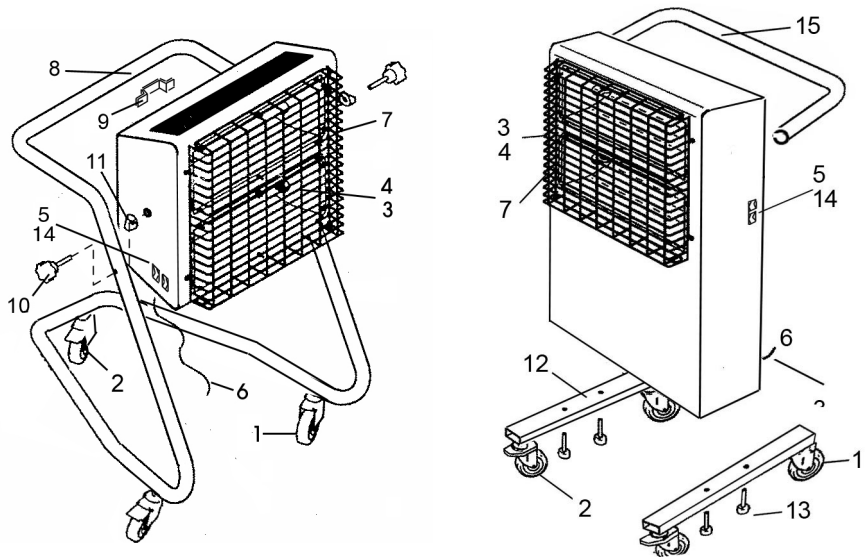
1. Remove the two pozidrive screws securing the wire guard, remove the guard and store removed parts safely.
2. To remove the halogen tube, grasp and gently but firmly push it to one end of the heater. The tube holders are spring loaded which will allow the tube sufficient movement to clear the opposite holder.
3. Remove the halogen tube and dispose of it according to local regulations.
4. Fit new halogen tubes in reverse order, repeat the procedure for the second tube.
5. Replace the guard using the screws removed earlier.

The heater is now ready for use.

FAULT FINDING

SYMPTOM	PROBLEM	SOLUTION
Heater does not operate, although plugged in and switched on.	Plug is loose/bad connection.	Remove the plug & check the connection of the plug and socket.
	Fuse blown.	Replace if necessary and investigate the cause. If fuse blow repeatedly, consult your Clarke dealer.
	No power at socket outlet.	Insert plug into a suitable socket.
	Tilt safety switch is disabling unit.	Ensure unit is upright. If switch does not re-set, consult your Clarke dealer.
Halogen tube is glowing hot.	Input voltage incorrect.	Ensure power supply matches the rating on the label.
	Air inlet partly blocked.	Ensure the heater is kept away from any objects or materials which could partially cover the guard or be drawn onto it.

COMPONENT PARTS



No	Description
1	Caster (standard)
2	Caster with Brake
3	Ceramic End Cap
4	Quartz Halogen Tube
5	ON/OFF Switch
6	Power Cable
7	Wire Guard
8	Frame (SP only)
9	Plastic Handle (SP only)
10	Securing Knob (SP only)
11	Plastic Saddle (SP only)
12	Support Bar (P only)
13	Securing Bolt (P only)
14	Tilt Safety Switch
15	Rear Handle (P only)

SPECIFICATIONS

Model Number	Devil 370PB	Devil 370SPB	Devil 371PB	Devil 371SPB
Model Number	6926001	6926006	6926011	6926006
Weight	16.6 kg	16 kg	13.8 kg	14.4 kg
Dimensions (L x W x H)	490 x 563 x 887 mm	490 x 563 x 887 mm	610 x 626 x 788 mm	610 x 626 x 788 mm
Wattage	3 kW	3 kW	3 kW	3 kW
Amperage	13 A	13 A	27.5 A	27.5 A
Supply Voltage	230V/50 hz	230V/50 hz	110V/50hZ	110V/50hZ
Fuse Rating	13 A	32 A	n/a	n/a
Insulation Class	IP20	IP20	IP20	IP20
Max Heat Output	3 kW	3 kW	3 kW	3 kW
Quartz Tube Rating	2 x 1.5kW @230V	2 x 1.5kW @110V	2 x 1.5kW @230V	2 x 1.5kW @110V
Plug type	BS1363	EN60309	BS1363	EN60309

Please note that the details and specifications contained herein are correct at the time of going to print. However CLARKE International reserve the right to change specifications at any time without prior notice. Always consult the machine's data plate.

DECLARATION OF CONFORMITY



Clarke[®]
INTERNATIONAL

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DECLARATION OF CONFORMITY

This is an important document and should be retained.

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

2014/35/EU *Low Voltage Equipment Directive*
2014/30/EU *Electromagnetic Compatibility Directive.*
2011/65/EU *Restriction of Hazardous substances*

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

EN 60335-1:2012+A11:2014, EN 60335-2-30:2009+A11:2012, EN 61000-6-1:2007.
EN6100-6-3:2007+A1:2011+AC:2012, EN 61000-3-2:2014, EN61000-3-3:2013

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

The CE mark was first applied in: 2017

Product Description: Quartz Halogen Infra-red Heaters (110V and 230V)
Model number(s): Devil 370SPB, Devil 370PB, Devil 371SPB, Devil 371PB
Serial / batch Number: 6926006, 6926001, 6926016, 6926011
Date of Issue: 23/05/2017

Signed:

J.A. Clarke
Director

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