

# Charbro®



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

## 2.5 KW OIL FILLED RADIATOR

MODEL NO: BR13/250

PART NO: 6934011

### OPERATION & MAINTENANCE INSTRUCTIONS



ORIGINAL INSTRUCTIONS

LS1119 - ISS 5

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## INTRODUCTION

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Thank you for purchasing this CLARKE 2.5 kW oil filled radiator.

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.

**NOTE:** PICTURES SHOW THE WHITE VERSION OF THIS UNIT FOR CLARITY

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## IMPORTANT

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Please read all of the safety and operating instructions carefully before using this product. Please pay particular attention to all sections of these instructions that display warning symbols and notices.

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## ENVIRONMENTAL RECYCLING POLICY

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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.

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## GUARANTEE

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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.

**THE FOLLOWING TABLE ADDRESSES THE INFORMATION REQUIREMENTS OF REG.2015/1188**

Item	Symbol	Value	Unit
<b>Heat output</b>			
Measured seasonal space heating energy efficiency			n/a %
Nominal heat output	$P_{nom}$	2.5	kW
Minimum heat output (indicative)	$P_{min}$	0	kW
Maximum continuous heat output	$P_{max}$	2.5	kW
<b>Auxiliary electricity consumption</b>			
At nominal heat output	$eI_{max}$	n/a	kW
At minimum heat output	$eI_{min}$	n/a	kW
In standby mode	$eI_{SB}$	0	kW
<b>Type of heat input for electric storage local heaters only</b>			
Manual heat charge control with integrated thermostat			No
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			No
<b>Type of heat output/room temperature control (select one)</b>			
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
<b>Other control options (multiple selections possible)</b>			
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

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## GENERAL SAFETY RULES

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1. Read these instructions carefully in conjunction with the illustrations, before using the oil filled radiator.
2. Before connecting the oil filled radiator, check that the voltage indicated on the rating plate corresponds to the mains voltage in your home / office.
3. Avoid the use of an extension cable because it may lead to overheating.
4. Only touch the oil filled radiator with dry hands.
5. DO NOT position the oil filled radiator where it can be touched by children, especially the very young.
6. DO NOT position the oil filled radiator directly under a power socket.
7. DO NOT use this oil filled radiator outdoors.
8. This oil filled radiator is NOT intended for use in bathrooms, laundry areas and other similar indoor locations. NEVER locate oil filled radiator where it may fall into the bathtub or other water container.
9. When using the oil filled radiator, DO NOT place in the immediate surroundings of a shower or swimming pool.
10. Position the oil filled radiator in such a manner that the air flow toward the oil filled radiator and away from it, is not obstructed.
11. The oil filled radiator must NOT be covered.
12. Allow a safe area around the oil filled radiator away from furniture or other objects; at least 50cm from the top and sides and front.
13. Do not use this oil filled radiator when it is lying on its side.
14. If the oil filled radiator is tipped over, unplug it and allow it to cool before standing it back up.
15. DO NOT use the oil filled radiator in rooms with explosive gas (e.g. petrol) or while using inflammable glue or solvent (e.g. when gluing or varnishing parquet floors, PVC etc)
16. Extra caution is necessary when the oil filled radiator is used near children or when it is left unattended.
17. Keep the mains cable at a safe distance from the main body of the oil filled radiator.
18. DO NOT hang anything in front of or above the oil filled radiator.
19. If overheating should occur, the built-in overheating safety device will switch off the oil filled radiator.
20. DO NOT use aerosols, flammable substances or materials sensitive to heat in the flow of hot air.
21. Should the oil filled radiator stop working, first check the fuse in the plug or fuse in the circuit breaker at the distribution board is operating, before contacting the manufacturer or its service agent or a similarly qualified person in order to avoid hazard.
22. If the supply cable or plug is damaged, it must be replaced by the manufacturer.
23. Repairs that require opening of the radiator body (like oil leakage) are only to be made by the manufacturer or his service agent.
24. The oil filled radiator contains no user serviceable parts.
25. When scrapping the oil filled radiator, follow the regulations concerning the disposal of oil.

# ELECTRICAL CONNECTIONS



**WARNING! Read these electrical safety instructions thoroughly before connecting the product to the mains supply.**

Before switching the product on, make sure that the voltage of your electricity supply is the same as that indicated on the rating plate. This product is designed to operate on 230VAC 50Hz. Connecting it to any other power source may cause damage.

This product may be fitted with a non-rewireable plug. If it is necessary to change the fuse in the plug, the fuse cover must be refitted. If the fuse cover becomes lost or damaged, the plug must not be used until a suitable replacement is obtained.

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



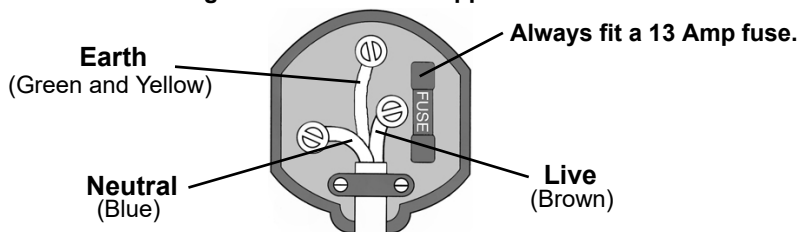
**WARNING! The wires in the power cable of this product are coloured in accordance with the following code:**

**Blue = Neutral    Brown = Live    Yellow and Green = Earth**

If the colours of the wires in the power cable of this product do not correspond with the markings on the terminals of your plug, proceed as follows.

- The wire which is coloured **Blue** must be connected to the terminal which is marked **N** or coloured **Black**.
- The wire which is coloured **Brown** must be connected to the terminal which is marked **L** or coloured **Red**.
- The wire which is coloured **Yellow and Green** must be connected to the terminal which is marked **E** or  $\perp$  or coloured **Green**.

**Plug must be BS1363/A approved.**



**Ensure that the outer sheath of the cable is firmly held by the clamp**

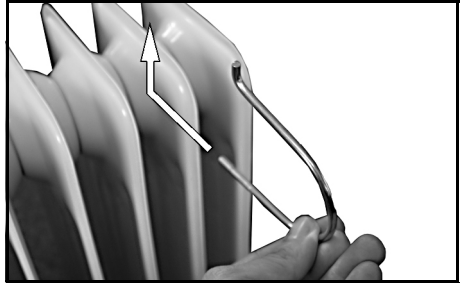
**We strongly recommend that this machine is connected to the mains supply via a Residual Current Device (RCD)**

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

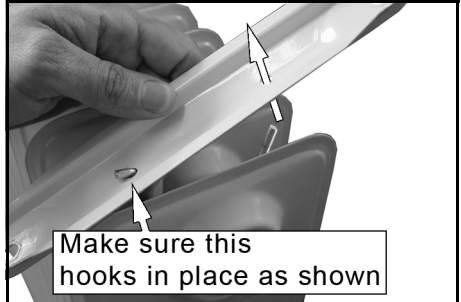
## BEFORE USE

### CONNECTING THE FEET

1. Turn the oil filled radiator upside down and insert the securing loop as shown.



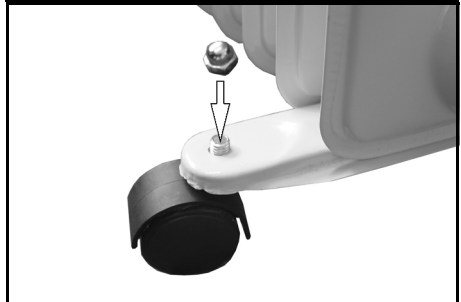
2. Hook the securing loop to the wheel plate and feed the threaded end of the securing loop through the second hole as shown.



3. Fix the wheel plate in position using the wing nut supplied.



4. Turn the oil filled radiator the right way up and fit the wheels as shown securing them using the nuts supplied.

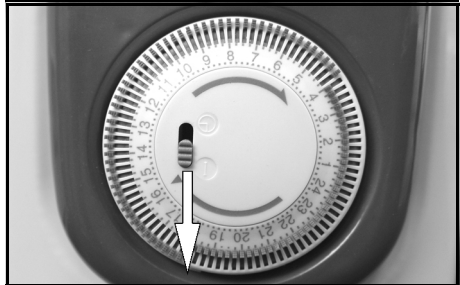
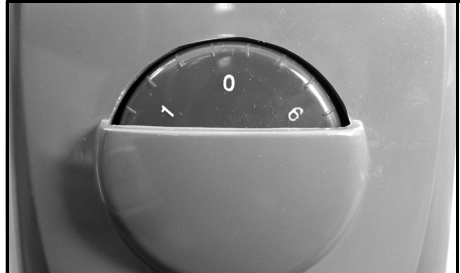


# OPERATION



CAUTION: DO NOT OPERATE THE RADIATOR UNLESS IT IS PLACED IN AN UPRIGHT POSITION.

- Select an indoor location for the radiator away from electrical cables, drapes and other furnishings.
  - DO NOT place radiator directly beneath an electrical outlet or against paper board or low density fibreboard.
1. Turn the thermostat to "0" before plugging in the radiator.
  2. Plug the radiator into the mains supply.
  3. Slide the switch on the timer to "1".
    - if you are going to use the timer to control the radiator skip this step.
  4. Use the power switches to turn the radiator on.



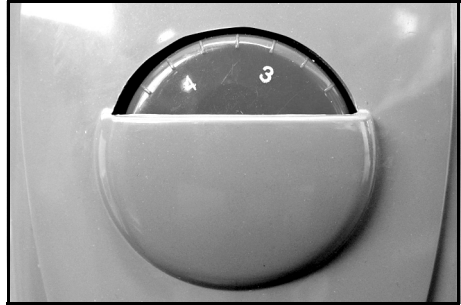
SWITCH	SETTING
Left	Minimum
Right	Medium
Both	Maximum

**NOTE:** The first time the radiator is used there may be an odour that will disappear after approximately 30 minutes of operation. The odour is due to a lubricant used during the manufacture of the radiator.

## SETTING THE TEMPERATURE

The operating temperature is selected by adjustment of the thermostat.

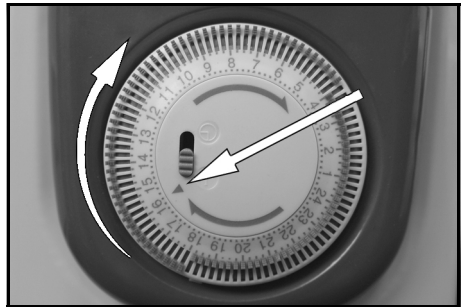
- The hottest setting will be when the thermostat is set to "6" and the power switches are set to maximum, the coolest, when it is set to "0".



## TIMER FUNCTION

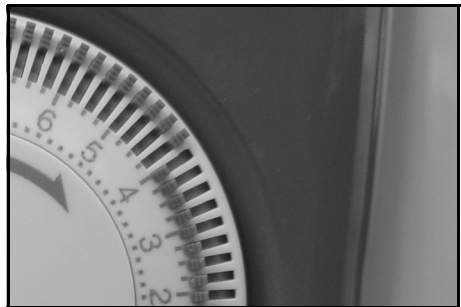
### SETTING THE CURRENT TIME

1. Turn the dial clockwise to align your current time to the triangular pointer.




### SETTING THE TIMER

1. The circumference of the dial is composed of 96 segments. Each segment represents 15 minutes.
2. The timer is turned ON for 15 minutes by each activated segment
  - Activated segment (pulled outwards).
  - Non-activated segment (pushed inwards).



**Example: To use the timer to turn the radiator on between 04:00 and 05:00.**

1. Set current time.
2. Turn the slide switch to timer symbol .
3. Pull the 4 segments between 4 and 5 outwards.



## **SAFETY OVERHEAT SHUT OFF**

Your oil filled radiator is fitted with two safety devices.

The first is an anti-tilt switch which turns off the oil filled radiator if it falls over; simply stand the radiator up again to reset this switch.

The second is a safety overheat device which switches off the oil filled radiator in the event of overheating caused by any fault condition which induces a rapid temperature rise.

In the event of the safety overheat device operating, the oil filled radiator will cease to function until the teperature falls below the cut off point. If this happen again have your oil filled radiator serviced by an approved service agent.

The safety device supplied must never be replaced by anyone other than an approved service agent.

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## **SPECIFICATION**

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Model Number	BR13/250
Operating Voltage and Frequency	230 V @ 50 Hz
Input Power	2500 W
Number of segments	13
Class of Protection:	1
IP Rating:	IP20
Dimensions (L x W x H)	580 x 250 x 630 mm
Weight	15.3 Kg

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# MAINTENANCE

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## CLEANING

The oil filled radiator requires regular cleaning to ensure trouble free operation:

1. Do not stand on or drop the heater and treat it carefully at all times.
2. Always turn off and unplug the oil filled radiator from the mains supply and allow it to cool before cleaning.
3. Use a damp cloth to wipe the exterior of the oil filled radiator to remove dust and dirt.
4. Ensure the oil filled radiator is dry before plugging back into the mains supply.
5. Do not allow water to run into the interior of the oil filled radiator as this could create a fire or electric shock hazard.

## STORAGE

If the oil filled radiator is not going to be used for long periods, for example during the summer, it should be stored in a dry place and preferably covered to prevent the accumulation of dust and dirt.

Unplug the oil filled radiator and store the mains lead in the storage recess provided. Ensure that the plug does not trail on the floor where it could be damaged.

# DECLARATION OF CONFORMITY



**Clarke**<sup>®</sup>  
**INTERNATIONAL**

Hemnal Street, Epping, Essex CM16 4LG

## 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):

- 2014/30/EC *Electromagnetic Compatibility Directive.*
- 2014/35/EC *Low Voltage Equipment Directive.*
- 2011/65/EC *Restriction of Hazardous substances.*
- 2009/125/EC *Eco-Design Directive Annex I (EU 2015/1188).*

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

- EN 60335-1:2012+A11:2014, EN 60335-2-30:2009+A11:2012, EN 62233:2008,*
- EN 55014-1:2006+A1:2009+A2:2011, EN 55014-2-1997+A1:2001+A2:2008,*
- EN 61000-3-2:2014, EN 61000-3-3:2013.*

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: 2007

**Product Description:** Oil Filled Electric Radiators  
**Model number(s):** OFR7/150, OFR 9/90, OFR 9/200, OFR 13/250, BR 9/200, BR 13/250.  
**Serial / batch Number:** N/A  
**Date of Issue:** 12/06/2018

Signed:

J.A. Clarke  
Director

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# Clarke®

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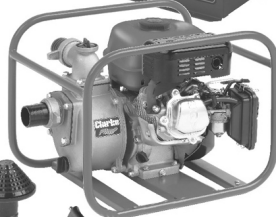
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