



INDUSTRIAL FAN HEATER 2400W

MODEL NO: **FH2400**

Thank you for purchasing a Sealey product. Manufactured to a high standard, this product will, if used according to these instructions, and properly maintained, give you years of trouble free performance.

IMPORTANT: PLEASE READ THESE INSTRUCTIONS CAREFULLY. NOTE THE SAFE OPERATIONAL REQUIREMENTS, WARNINGS & CAUTIONS. USE THE PRODUCT CORRECTLY AND WITH CARE FOR THE PURPOSE FOR WHICH IT IS INTENDED. FAILURE TO DO SO MAY CAUSE DAMAGE AND/OR PERSONAL INJURY AND WILL INVALIDATE THE WARRANTY. KEEP THESE INSTRUCTIONS SAFE FOR FUTURE USE.



Refer To
Instructions



Indoor Use
Only



Do Not Cover



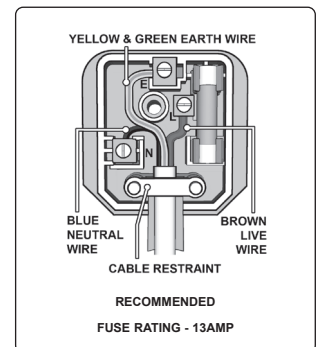
Warning:
Hot Surface

This product is only suitable for well insulated areas or occasional use.

1. SAFETY

1.1. ELECTRICAL SAFETY

- **WARNING!** It is the responsibility of the owner and the operator to read, understand and comply with the following:
You must check all electrical products, before use, to ensure that they are safe. You must inspect power cables, plugs, sockets and any other connectors for wear or damage. You must ensure that the risk of electric shock is minimised by the installation of appropriate safety devices. A Residual Current Circuit Breaker (RCCB) should be incorporated in the main distribution board. We also recommend that a Residual Current Device (RCD) is used. It is particularly important to use an RCD with portable products that are plugged into a supply which is not protected by an RCCB. If in any doubt consult a qualified electrician.
You must also read and understand the following instructions concerning electrical safety.
- ✓ The Electricity at Work Act 1989 requires that all portable electrical appliances, if used on business premises, are tested by a qualified electrician, using a Portable Appliance Tester (PAT), at least once a year.
- ✓ The Health & Safety at Work Act 1974 makes owners of electrical appliances responsible for the safe condition of those appliances and the safety of the appliance operators. If in any doubt about electrical safety, contact a qualified electrician.
- ✓ Ensure that the insulation on all cables and on the appliance is safe before connecting it to the power supply. See 1.1.1. and 1.1.2. and use a Portable Appliance Tester.
Ensure that cables are always protected against short circuit and overload.
- ✓ Regularly inspect power supply cables and plugs for wear or damage and check all connections to ensure that none are loose.
- ✓ **Important:** Ensure that the voltage marked on the appliance matches the power supply to be used and that the plug is fitted with the correct fuse - see fuse rating at right.
- ✗ **DO NOT** pull or carry the appliance by the power cable.
- ✗ **DO NOT** pull the plug from the socket by the cable.
- ✗ **DO NOT** use worn or damaged cables, plugs or connectors. Immediately have any faulty item repaired or replaced by a qualified electrician. When a BS 1363/A UK 3 pin plug is damaged, cut the cable just above the plug and dispose of the plug safely. Fit a new plug according to the following instructions (UK only).
 - a) Connect the GREEN/YELLOW earth wire to the earth terminal 'E'.
 - b) Connect the BROWN live wire to the live terminal 'L'.
 - c) Connect the BLUE neutral wire to the neutral terminal 'N'.
 - d) After wiring, check that there are no bare wires, that all wires have been connected correctly, that the cable outer insulation extends beyond the cable restraint and that the restraint is tight.
Double insulated products, which are always marked with this symbol are fitted with live (brown) and neutral (blue) wires only. To rewire, connect the wires as indicated above.
- ✗ **DO NOT** connect either wire to the earth terminal.
- ✓ If an extension reel is used it should be as short as possible and fully unwound before connection. A reel with an RCD fitted is preferred since any appliance plugged into it will be protected. The cable core section is important and should be at least 1.5mm², but to be absolutely sure that the capacity of the reel is suitable for this product and for others which may be used in the other output sockets, we recommend the use of 2.5mm² section cable.



1.2. GENERAL SAFETY

- **WARNING!** Disconnect the heater from the mains power supply, before servicing or performing any maintenance. Servicing or maintenance must only be carried out by an authorised service agent.
- ✓ Check that the heater is in sound condition and good working order. Take immediate action to repair or replace damaged parts.
- ✓ Use recommended parts only. Unapproved parts may be dangerous and will invalidate the warranty.
- ✓ Position the heater at least a minimum of 0.5m at the rear and sides, and 2m at the front, from any walls or objects.
- **WARNING! DO NOT** use the heater near flammable material, liquids, solids, gases or compressed gas cylinders etc.
- ✗ **DO NOT** obstruct the air inlet and outlet sections of the heater.
- ✗ **DO NOT** cover the heater.
- ✗ **DO NOT** operate the heater when you are tired or under the influence of alcohol, drugs or intoxicating medication.
- ✗ **DO NOT** touch the heater casing or grill when first switched off, as these will be very hot and will take time to cool.
- ✗ **DO NOT** use the heater for anything other than its intended purpose. It is designed to provide heat in enclosed areas larger than 4m³, such as workshops and other industrial areas. It is not suitable for drying clothes or laundry.
- ✗ **DO NOT** place the heater close to a bath, wash basin, shower, swimming pool or any other water-filled area or wet surface.
- ✗ **DO NOT** get the heater wet or use in areas of high condensation.

- × **DO NOT** place the heater up against any surface such as a wall, door or furniture etc.
 - × **DO NOT** place the heater immediately below any electrical outlet.
 - × **DO NOT** allow the power lead to touch the radiator surface.
 - × **DO NOT** attempt to repair a damaged heater, contact an authorised service agent.
 - × **DO NOT** stand on the heater.
 - × **DO NOT** connect the heater to a timer device or other equipment than can automatically switch the heater on or off.
 - ✓ Only use the heater in an upright position.
 - ✓ Ensure that the heater is correctly turned off when not in use and store in a safe, dry, childproof location.
- NOTE:** Children of less than 3 years should be kept away unless supervised continuously. Children aged from 3 years and less than 8 years shall only switch on/off the appliance provided that it has been placed or installed in its intended normal operating position and they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved. Children aged from 3 years and less than 8 years shall not plug in, regulate and clean the appliance or perform user maintenance.
- 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.



2. INTRODUCTION

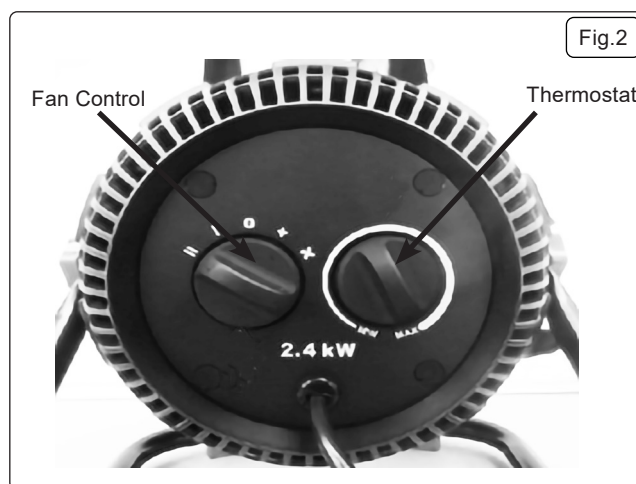
Portable industrial heater with two heat settings and one setting for air movement only. Tough composite case with integral carry handle. Full range ambient room thermostat maintains temperature. Fan doubles as cool air blower for use in the summer.

3. SPECIFICATION

Model No: **FH2400**
Electrical Class: **Type 2**
Fuse Rating: **13A**
Power Supply Cable Length: **1.3m**
Power: **0-2400W**
Size (W x D x H): **300 x 267 x 332mm**
Supply: **230V ~ 50Hz**

4. OPERATION

- 4.1. Position heater in an upright position on a firm surface and at a safe distance from any obstructions, flammable substances etc. Keep to a minimum of 0.5m clearance at the rear and sides, and 2m clearance at the front.
- 4.2. Connect the heater to a suitable mains supply.
- 4.3. Set thermostat to the required temperature (max. = ~ 85°C).
- 4.4. Set the required temperature using the Fan Control dial set to either the 'I' (lower value) or 'II' (higher value) (Fig.2).
- 4.5. Once the room reaches the required temperature, turn the thermostat dial slowly counter-clockwise until the thermostat clicks, leave the dial in this position to maintain the room temperature at this setting. The heater will continue to operate until the Fan Control is turned to the OFF '0' position.
- 4.6. For fan only operation, turn the Fan Control clockwise to the fan only settings  (low) or  (high), and set the thermostat to its minimum setting (Fig.2).
- 4.7. When not in use, disconnect the heater from the mains supply. Store it in a safe, dry, childproof location.
- 4.8. To adjust fan direction, loosen the thumb wheels on the side of the support frame (fig.1) and fully tighten when the required angle is set.



5. MAINTENANCE

- **WARNING!** Before attempting any maintenance, ensure that the unit is unplugged from the mains power supply and that it has cooled down.
- 5.1. Clean the heater with a soft dry cloth only. **DO NOT** use abrasives or solvents.
 - 5.2. Periodically check the heater grille to ensure that it is not blocked.
 No other maintenance is necessary. If a problem with the heater is experienced, or if the power lead or plug is damaged, contact your local authorised service agent for repair. **DO NOT** dismantle or tamper with the heater, as this may be dangerous and will invalidate the warranty.



ENVIRONMENT PROTECTION

Recycle unwanted materials instead of disposing of them as waste. All tools, accessories and packaging should be sorted, taken to a recycling centre and disposed of in a manner which is compatible with the environment. When the product becomes completely unserviceable and requires disposal, drain any fluids (if applicable) into approved containers and dispose of the product and fluids according to local regulations.



REGISTER YOUR PURCHASE HERE



WEEE REGULATIONS

Dispose of this product at the end of its working life in compliance with the EU Directive on Waste Electrical and Electronic Equipment (WEEE). When the product is no longer required, it must be disposed of in an environmentally protective way. Contact your local solid waste authority for recycling information.

Note: It is our policy to continually improve products and as such we reserve the right to alter data, specifications and component parts without prior notice.

Important: No Liability is accepted for incorrect use of this product.

Warranty: Guarantee is 12 months from purchase date, proof of which is required for any claim.

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Information requirements for electric local space heaters

Model identifier(s): FH2400.V1					
Item	Symbol	Value	Unit	Item	Unit
Heat output				Type of heat input, for electric storage local space heaters only (select one)	
Nominal heat output	P_{nom}	2.40	kW	Manual heat charge control, with integrated thermostat	Yes No <input checked="" type="checkbox"/>
Minimum heat output (indicative)* * Enter figure or NA	P_{min}	1.20	kW	Manual heat charge control with room and/or outdoor temperature feedback	Yes No <input checked="" type="checkbox"/>
Maximum continuous heat output	$P_{max,c}$	2.40	kW	Electronic heat charge control with room and/or outdoor temperature feedback	Yes No <input checked="" type="checkbox"/>
				Fan assisted heat output	Yes No <input checked="" type="checkbox"/>
Auxiliary electricity consumption				Type of heat output/room temperature control (select one)	
At nominal heat output	eI_{max}	N/a	kW	Single stage heat output and no room temperature control	Yes No <input checked="" type="checkbox"/>
At minimum heat output	eI_{min}	N/a	kW	Two or more manual stages, no room temperature control	Yes No <input checked="" type="checkbox"/>
In standby mode	eI_{SB}	N/a	kW	With mechanic thermostat room temperature control	Yes <input checked="" type="checkbox"/> No
				With electronic room temperature control	Yes No <input checked="" type="checkbox"/>
				Electronic room temperature control plus day timer	Yes No <input checked="" type="checkbox"/>
				Electronic room temperature control plus week timer	Yes No <input checked="" type="checkbox"/>
				Other control options (multiple selections possible)	
				Room temperature control, with presence detection	Yes No <input checked="" type="checkbox"/>
				Room temperature control, with open window detection	Yes No <input checked="" type="checkbox"/>
				With distance control option	Yes No <input checked="" type="checkbox"/>
				With adaptive start control	Yes No <input checked="" type="checkbox"/>
				With working time limitation	Yes No <input checked="" type="checkbox"/>
				With black bulb sensor	Yes No <input checked="" type="checkbox"/>
Contact details: Sealey Group, Kempson Way, Suffolk Business Park, Bury St Edmunds, Suffolk, IP32 7AR. www.sealey.co.uk					
v1					ERP Table 2