



3000W INDUSTRIAL PTC FAN HEATER, 230V

MODEL NO: PEH3001.V2

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
Instruction
Manual



Indoor Use
Only



Do Not
Cover



Hot Surfaces

1. SAFETY

1.1. ELECTRICAL SAFETY

- ✓ Make sure the power supply cable is correctly connected to the earth. It is the user's responsibility to read, understand and comply with the following:
- ✓ You must check all electrical equipment and appliances to ensure they are safe before using. You must inspect power supply leads, plugs and all electrical connections for wear and damage. You must ensure the risk of electric shock is minimised by the installation of appropriate safety devices. An RCCB (Residual Current Circuit Breaker) should be incorporated in the main distribution board. You must also read and understand the following instructions concerning electrical safety.
- ✓ The Electricity At Work Act 1989 requires all portable electrical appliances, if used on business premises, to be 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 the appliance and the safety of the appliance operator. If in any doubt about electrical safety, contact a qualified electrician.
- ✓ Ensure insulation on all cables and the product itself is safe before connecting to mains power supply.
- ✓ Ensure that cables are always protected against short circuit and overload.
- ✓ Regularly inspect power supply, leads, plugs and all electrical connections for wear and damage, especially power connections, to ensure that none are loose.
- ✓ Important: Ensure the voltage marked on the product is the same as the electrical power supply to be used.
- ✗ **DO NOT** pull the powered appliance by the power cable.
- ✗ **DO NOT** pull power plugs from sockets by the power cable.
- ✗ **DO NOT** use worn or damaged leads, plugs or connections. Immediately replace or have repaired by a qualified electrician. 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.
- ✓ When completed, check that there are no bare wires, that all wires have been connected correctly, that the cable external insulation extends beyond the cable restraint and that the restraint is tight.

THIS PRODUCT REQUIRES A ROUND PIN 16A PLUG.
WE RECOMMEND THAT YOU DISCUSS THE INSTALLATION OF AN INDUSTRIAL ROUND PIN PLUG AND SOCKET WITH A QUALIFIED ELECTRICIAN.

RECOMMENDED
FUSE RATING - 16A

1.2. GENERAL SAFETY

- WARNING!** The appliance shall be disconnected from its power source during service and when replacing parts and, if the removal of the plug is foreseen, it shall be clearly indicated that the removal of the plug has to be such that an operator can check from any of the points to which they have access that the plug remains removed.
- WARNING: 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.
- ✓ 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.
- ✗ **DO NOT** attempt to repair a damaged heater, contact an authorised service agent.
- WARNING!** In order to avoid overheating, **DO NOT** cover the heater.

1.3. POSITIONING OF HEATER

- WARNING:** To reduce the risk of fire, keep textiles, curtains, or any flammable material a min. distance of 1m from the heat source.
- WARNING! DO NOT** use the heater near flammable material, liquids, solids, gases or compressed gas cylinders etc.
- ✓ Use this heater on a horizontal and stable surface.
- ✗ **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** place the heater up against any surface such as a wall, door or furniture etc.
- ✗ The heater must not be located immediately below a socket outlet.
- ✗ **DO NOT** place the heater on a raised surface or anywhere where it could topple over.
- ✗ **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 the heater to a timer device or other equipment than can automatically switch the heater on or off.
- ✗ **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 cord.
- ✗ **DO NOT** use the heater for anything other than its intended purpose. It is designed to provide heat in enclosed areas such as workshops and other industrial areas. It is not suitable for drying clothes or laundry.
- ✓ Position the heater at least a minimum of 1m at the front, rear and sides from any walls or objects.
- ✓ If an extension cable is required it must be of the same cross section as the heater cable. It must be as short as possible and fully unwound.
- ✓ Ensure that the heater is correctly turned off when not in use and store in a safe, dry, childproof location.

1.4. OPERATIONAL PRECAUTIONS

- ✓ The heater must only be used by people who have read these instructions and have been trained in its use.
 - ✗ **DO NOT** obstruct the air inlet and outlet sections of the heater.
 - ☐ **WARNING!** In order to avoid overheating, **DO NOT** cover the heater.
 - ✗ **DO NOT** use the heater without the grille fitted.
 - ✗ **DO NOT** use if the heater has been dropped.
 - ✗ **DO NOT** use if there are visible signs of damage to the heater.
 - ✗ **DO NOT** touch the heater casing or grille when first switched off, as these will be very hot and will take time to cool.
- 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.
- NOTE:** The heater must not be located immediately below a socket outlet.
- NOTE:** This appliance can be used by children aged from 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved. Children shall not play with the appliance. Cleaning and user maintenance shall not be made by children without supervision.

2. INTRODUCTION

Industrial fan heaters with PTC heat conducting ceramic elements to achieve an instant, totally dry heat with no condensation, no gas, no fumes and no smell. Ambient room thermostat maintains temperature at a preset level. Ideal for industrial applications with two heat settings or fan only. PEH3001 Supplied without plug.

3. SPECIFICATIONS

Model:PEH3001.V2
Heated Area: 60m³
Output: 10,000Btu/hr
Plug Type: Bare Wire
Power Supply Cable Length: 1.3m
Power: 1500/3000W
Supply: 230V - 16A

IMPORTANT! This unit is designed to raise the ambient temperature of an entire room, the temperature of the air coming out of the front of the heater will be warmer than the general temperature of the room, but there may not be a significant increase due to the large volume of air passing over the element. For the same reason, the element is hot during operation, but does not glow visibly. The room temperature depends on room size, insulation and the ambient temperature, which will increase as the room gets warmer.

4. OPERATION (FIG.1)

- 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 1m 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 the thermostat dial to the maximum setting (fully clockwise).
- 4.4. The heater will switch on when the power setting selector is set to one of the two power settings.
NOTE: It will take up to three minutes for the heater to reach optimum temperature.
- 4.5. Once the room reaches the required temperature, heating element will stop working and the fan will stop. Once the temperature decreases, the heating element and fan will restart working automatically and thus keep the room temperature constant.
- 4.6. For fan only operation, turn the power/fan selector to the fan only setting and set the thermostat to its minimum setting.
- 4.7. When not in use, disconnect the heater from the mains supply. Store it in a safe, dry, childproof location.



Fig.1

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.
- 5.3. If the supply cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard.



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.



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.

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. Please note that other versions of this product are available. If you require documentation for alternative versions, please email or call our technical team on technical@sealey.co.uk or 01284 757505.

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): PEH3001 v2					
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}	3.000	kW	Manual heat charge control, with integrated thermostat	Yes No <input checked="" type="checkbox"/>
Minimum heat output (indicative)* * Enter figure or NA	P_{min}	1.500	kW	Manual heat charge control with room and/or outdoor temperature feedback	Yes No <input checked="" type="checkbox"/>
Maximum continuous heat output	$P_{max,c}$	3.000	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	el_{max}	NA	kW	Single stage heat output and no room temperature control	Yes No <input checked="" type="checkbox"/>
At minimum heat output	el_{min}	NA	kW	Two or more manual stages, no room temperature control	Yes No <input checked="" type="checkbox"/>
In standby mode	el_{SB}	NA	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	