



2000W INDUSTRIAL CERAMIC FAN HEATER 2800W INDUSTRIAL CERAMIC FAN HEATER

MODEL NO: CH20,CH28

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



Electrical shock hazard



Hot surfaces



Do not cover



Indoor use only

NOTE: THIS PRODUCT IS ONLY SUITABLE FOR USE IN WELL INSULATED AREAS OR OCCASIONAL USE.

1. SAFETY

1.1. ELECTRICAL SAFETY

- ❑ **WARNING!** It is the user's responsibility to check the following:
Check all electrical equipment and appliances to ensure that they are safe before using. Inspect power supply leads, plugs and all electrical connections for wear and damage. Sealey recommend that an RCD (Residual Current Device) is used with all electrical products.

If the product is used in the course of business duties, it must be maintained in a safe condition and routinely PAT (Portable Appliance Test) tested.

Electrical safety information, it is important that the following information is read and understood.

- 1.1.1. Ensure that the insulation on all cables and on the appliance is safe before connecting it to the power supply.
- 1.1.2. Regularly inspect power supply cables and plugs for wear or damage and check all connections to ensure that they are secure.
- 1.1.3. **Important:** Ensure that the voltage rating on the appliance suits the power supply to be used and that the plug is fitted with the correct fuse - see fuse rating in these instructions.

- × **DO NOT** pull or carry the appliance by the power cable.
- × **DO NOT** pull the plug from the socket by the cable. Remove the plug from the socket by maintaining a firm grip on the plug.
- × **DO NOT** use worn or damaged cables, plugs or connectors. Ensure that any faulty item is repaired or replaced immediately by a qualified electrician.

- 1.1.4. This product is fitted with a BS1363/A pin plug.

If the cable or plug is damaged during use, switch the electricity supply and remove from use. Replace a damaged plug with a BS1363/A 3 pin plug. If in doubt contact a qualified electrician.

Class II products are wired with live (brown) and neutral (blue) only, and are marked with the  Class II symbol;

A) Connect the BROWN live wire to the live terminal 'L'.

B) Connect the BLUE neutral wire to the neutral terminal 'N'.

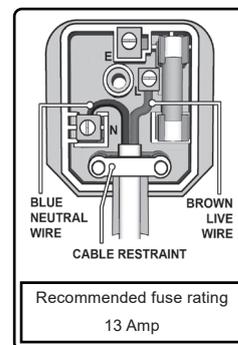
C) After wiring, check that there are no bare wires and ensure that all wires have been correctly connected.

Ensure that the cable outer sheath extends inside the cable restraint and that the restraint is tight.

- × **DO NOT** connect either wire to the earth terminal.
Sealey recommend that repairs are carried out by a qualified electrician.

1.2. GENERAL SAFETY

- ✓ Familiarise yourself with the applications and limitations of the fan heater.
- ✓ Keep away from flammable objects, materials and surfaces.
- ✓ This product gets very hot during use. Use in a location where accidental contact, particularly by children, is unlikely.
- ✓ Ensure the fan heater is set to the "OFF" position before connecting to the mains power supply.
- ✓ Ensure the fan heater is in good working order and condition before use. If in any doubt **DO NOT** use the fan heater and contact a qualified electrician.
- ✓ Keep tools and other items away from the fan heater when in use.
- ✓ Keep the area clean and clear of unnecessary items.
- ✓ Keep children and unauthorised persons away from the fan heater.
- ✓ Disconnect the fan heater from the mains and allow to cool before moving or attempting any cleaning.
- × **DO NOT** get the fan heater wet or use in damp or wet locations or in areas where there is condensation.
- × **DO NOT** remove the plug from the mains supply by pulling on the power cord.
- × **DO NOT** move the fan heater whilst in operation or even while it is still warm.
- × **DO NOT** disassemble the fan heater for any reason. Use an authorised service agent only.
- × **DO NOT** use this product to perform a task for which it has not been designed.
- ❑ **WARNING!** If a fuse blows, ensure it is replaced with an identical fuse type and rating. If it blows again **DO NOT** use the fan heater. Contact a qualified electrician.
- × **DO NOT** place any object on the fan heater at any time.
- × **DO NOT** leave unattended. When not in use, store the fan heater in a safe, dry childproof location.
- × **DO NOT** connect the fan heater to an on/off timer or any other equipment which can automatically switch the fan heater on.



- WARNING!** This appliance can be used by children aged 8 years and older 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 fan heater in a safe way and can understand the hazards involved.

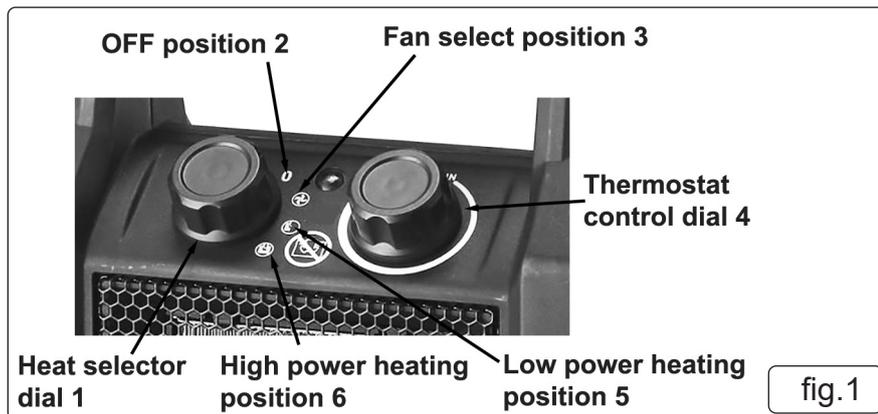
2. INTRODUCTION

Portable industrial heater with two heat settings and one setting for air movement only. Features PTC heat conducting ceramic elements to achieve an instant, odour-free heat. Thermostat control to maintain ambient temperature. Includes overheating protection, protecting the user, product and environment.

3. SPECIFICATION

Model No:.....CH20 / CH28
 Fuse Rating: 13A
 Power Supply Cable Length:..... 1.2m
 Power:.....2000W / 2800W
 Size (WxDxH):210x130x260mm / 234x130x284mm
 Supply:..... 220-240V~50Hz

4. OPERATION



Unpack the product and check contents. Should there be any damaged or missing parts contact your supplier immediately. Before use, ensure that you have read and understood Section 1 Safety Instructions.

- 4.1. Position the fan heater and the tilt safety switch (fig 2 - 1) on a firm, dry horizontal surface, and plug into the mains power supply.
- 4.2. **FAN ONLY**
- 4.2.1. Rotate the thermostat control dial (fig 1 - 4) clockwise to the MAX position. This will operate the fan heater at full power.
- 4.2.2. Rotate the heat selector dial (fig 1 - 1) clockwise, from the OFF position (fig 1 - 2) to the fan select position (fig 1 - 3).
- 4.3. **TURNING THE FAN ONLY OFF**
- 4.3.1. To turn the fan off, rotate the heat selector dial, anticlockwise, to the OFF position, and the thermostat control dial, to the MIN position.
- 4.4. **FAN HEATER**
- 4.4.1. Turn the thermostat control dial (fig 1 - 4) clockwise, until an audible click is heard. Keep turning the thermostat control dial to set the required room temperature cut off point.
- 4.4.2. Rotate the heat selector dial (fig 1 - 1) clockwise, from the off position (fig 1 - 2) to the required power heating position.
- 4.4.3. Low power heating position (fig 1 - 5).
- 4.4.4. High power heating position (fig 1 - 6).
- 4.4.5. The fan heater will switch on when one of the power heating positions is selected.
- 4.5. **TURNING THE FAN HEATER OFF**
- 4.5.1. Rotate the thermostat control dial anticlockwise to the MIN position.
- 4.5.2. Rotate the heat selector dial, anticlockwise, to the FAN position (fig 1 - 3).
- 4.5.3. Allow the fan heater to cool down for approx. two minutes, then turn the heat selector dial to the OFF position.
- 4.5.4. Remove the plug from the mains supply.
- 4.6. **TEMPERATURE CONTROL**
- 4.6.1. The fan heater is fitted with a thermostatic control which automatically turns the fan heater on and off to maintain the selected ambient room temperature.
 - WARNING!** When the heater is used for the first time it may emit a slight emission of smoke. This is normal and it will cease after a short time.
- 4.7. **TILT SAFETY SWITCH**
 - WARNING!** If the fan heater is accidentally knocked over during use, the tilt safety switch (fig 2 - 1) will automatically turn the fan heater off.

If this occurs, remove the plug from the mains supply, and turn the fan heater off as described in sections 4.3 and 4.5. To turn the fan heater on again, follow the instructions as described in sections 4.1, 4.2 and 4.4.

5. TROUBLESHOOTING

Fault Description	Suggested Solution
Fan heater does not operate.	Check power supply/fuse.
Tilt safety switch is activated.	Check that the fan heater is on a flat, level surface.
Fan does not operate.	Turn the heat selector dial to FAN. Turn the thermostat control dial to MAX.
Fan heater does not warm up.	Turn the thermostat control dial to MAX. Turn the heat selector dial to the Low or High power heating position.

6. MAINTENANCE

- **WARNING!** Disconnect the fan heater from the mains and allow the fan heater to fully cool before attempting any cleaning or maintenance.
- 6.1. Clean the fan heater with a moist cloth and a mild detergent.
 - × **DO NOT** use solvents to clean the fan heater.
- 6.2. Use a vacuum cleaner on the outside grille to clean dust from internal parts.



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.



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.

Sealey Group, Kempson Way, Suffolk Business Park, Bury St Edmunds, Suffolk. IP32 7AR



01284 757500



sales@sealey.co.uk



www.sealey.co.uk



Information requirements for electric local space heaters

Model identifier(s): CH20.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}	2.00	kW	Manual heat charge control, with integrated thermostat	Yes No <input checked="" type="checkbox"/>
Minimum heat output (indicative)* * Enter figure or NA	P_{min}	1.00	kW	Manual heat charge control with room and/or outdoor temperature feedback	Yes No <input checked="" type="checkbox"/>
Maximum continuous heat output	$P_{max,c}$	2.00	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}	N/a	kW	Single stage heat output and no room temperature control	Yes No <input checked="" type="checkbox"/>
At minimum heat output	el_{min}	N/a	kW	Two or more manual stages, no room temperature control	Yes No <input checked="" type="checkbox"/>
In standby mode	el_{SB}	0.00	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"/>
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v1				ERP Table 2	



Information requirements for electric local space heaters

Model identifier(s): CH28.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}	2.80	kW	Manual heat charge control, with integrated thermostat	Yes No <input checked="" type="checkbox"/>
Minimum heat output (indicative)* * Enter figure or NA	P_{min}	1.90	kW	Manual heat charge control with room and/or outdoor temperature feedback	Yes No <input checked="" type="checkbox"/>
Maximum continuous heat output	$P_{max,c}$	2.80	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}	N/a	kW	Single stage heat output and no room temperature control	Yes No <input checked="" type="checkbox"/>
At minimum heat output	el_{min}	N/a	kW	Two or more manual stages, no room temperature control	Yes No <input checked="" type="checkbox"/>
In standby mode	el_{SB}	0.00	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"/>
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v1					ERP Table 2