LASER®

Part No. 9308

Industrial Electric Fan Heater

Instructions



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Introduction

The Laser 9308 electric fan heater is a compact, mains-powered solution for heating smaller work areas of up to 60m³. Ideal for workshops, trade counters or retail spaces, it offers up to 3kW of clean, dry heat with no exhaust gases – making it safe for use in enclosed, well-insulated environments. Fitted with a robust carry handle, steel tube feet, and an angle-adjustable body for directional heating.

Adjustable heat: output range: 23W to 3000W (approximately 78.5 to 10,236 BTU).

240V mains-powered with UK 3-pin plug. CE & RoHS compliant. Fitted with Positive Temperature Coefficient (PTC) ceramic heating element and motor overheat thermal protection. Produces dry heat – no fumes, no added moisture, ideal for indoor spaces.

Specifications

Voltage	220-240V AC
Frequency	50Hz
Power	3000W
Weight	2.2kg
Airflow	365 m³/hr
Noise	45db

Specifications

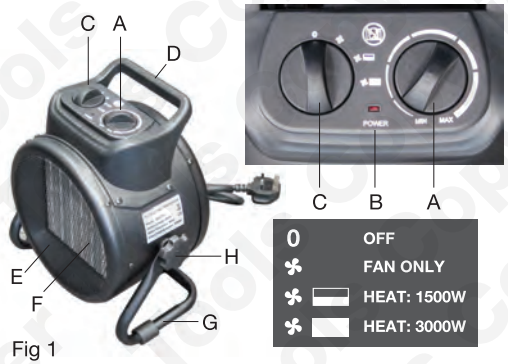


Fig 1

Ref.	Description
A	Temperature control
B	Power indicator
C	Power level control
D	Carrying handle

Ref.	Description
E	Air outlet
F	PTC heating element
G	Stand (adjustable)
H	Stand adjustment lock knob

Operation



- Position the heater on a flat, level, non-flammable, solid surface.
- DO NOT place the heater on moving vehicles or platforms, or where it can tip over.
- Keep the heater away from flammable, combustible, explosive or corrosive materials.
- Keep the heater away from curtains or similar materials that could block the air inlet and outlet.
- Never block or restrict the air inlet and outlet for any reason.
- DO NOT cover the heater.

Switch on:

1. Connect power cord plug to an AC220-240V 50Hz earthed electrical supply. **System must be earthed.**
2. Refer to Figure 1: Power indicator (**B**) lights up when mains power socket is switched ON.
3. Turn power level control (**C**) to maximum (3000W).
4. Rotate the temperature control (**A**) to maximum.
5. When the indoor temperature rises to the desired temperature, turn the temperature control (**A**) in an anticlockwise direction until the internal thermostat clicks. The unit will now adjust the heating amount to control the desired temperature (fan continues to run).

Switch off:

Rotate the temperature control (**A**) to minimum. Turn power level control (**C**) to position 1 (**FAN ONLY**) and let the fan cool the unit down for 3-5 minutes before switch temperature control to 0. Then unplug the power cord.

Maintenance and Storage



Note: Never clean, service or attempt to repair the heater while it is hot, or still plugged into the electric supply. Let it cool down for at least 15 minutes. DO NOT USE a faulty heater.

Regular inspection and cleaning reduces the necessity for maintenance operations and will keep your heater in good working condition. The motor must be correctly ventilated whenever the heater is operating. For this reason, avoid blocking the air inlet.

- Keep the heater clean, wipe with a clean cloth. Do not let water enter the unit.
- Do not clean with solvents, petrol, etc.
- Store the heater in a dry, clean and safe place away from the reach of children.

Troubleshooting

Problem	Problem Cause	Solution
1) Motor does not turn. 2) No heat output.	1) Power not connected. 2) Power level control and temperature control are not switched on.	1) Connect to mains power supply. 2) Follow instructions above to set the power level and temperature controls.
Motor rotates but no heating.	1) Safety thermostat tripped. 2) PTC heating element is broken.	1) Air inlet and/or outlet are blocked. Ensure unobstructed airways. 2) Replace the PTC heating element.

Precautions

- Do not operate this heater until you have read, and thoroughly understand these safety and operating instructions. Failure to comply with the precautions and instructions provided with this heater can result in death, serious bodily injury, property loss or damage from the hazards of fire, soot production, explosion, burns, asphyxiation or carbon monoxide poisoning. Only persons who can read and understand these instructions should use or service this heater. Not for use in home or recreational vehicles.
- Retain this manual for future reference. Make it available to all heater operators.
- Fire, burn, inhalation and explosion hazard: keep combustibles, such as building materials, paper or cardboard, a safe distance away from the heater as recommended by these instructions. Never use the heater in spaces which contain products such as petrol (gasoline), solvents, paint thinners, dust particles, volatile or airborne combustibles, or any unknown chemicals. This is an unvented portable heater. It uses air (oxygen) from the area in which it is used. Adequate combustion and ventilation air must be provided.
- NEVER block air inlet or air outlet of the heater.
- NEVER use duct work in front or at rear of heater.
- NEVER move or handle heater while still hot.
- NEVER leave heater unattended while burning, or while connected to the electric power source.
- Position the heater on a flat, level, non-flammable, solid surface. Not suitable for wooden floors.
- Only install the heater in normal upright position, and not at an angle.
- Prevent unintentional starting. Ensure the switch (A) is in the off position before connecting to power source.
- DO NOT move the heater when it is in operation or when plugged into the mains supply. Only move heater once it has cooled and it has been unplugged.
- ALWAYS keep children and animals away from heater.
- NEVER use this heater in living or sleeping areas.
- NEVER use this heater where flammable vapours may be present.
- DO NOT place the heater near walls, corners or low ceilings. Safe distance: 2 metres from walls or other objects.
- DO NOT place the heater below an electric socket outlet.

Precautions (cont.)

- DO NOT place the heater on moving vehicles or platforms, or where it can tip over.
- Keep the heater away from flammable, combustible, explosive or corrosive materials.
- Keep the heater away from curtains or similar materials that could block the air inlet and outlet.
- Never block or restrict the air inlet and outlet for any reason.
- DO NOT cover the heater.
- Normal air circulation through doors and windows must be ensured.
- Maintain the heater. Check for misalignment or binding of moving parts, breakage of parts and any other condition that may affect the heater operation. If damaged, have the heater repaired before use. Many accidents are caused by poorly maintained heaters.
- Keep the power cable away from heat sources, sharp edges, cutting and moving parts.
- DO NOT expose directly to the weather or to excessive humidity.
- DO NOT place the heater in the immediate surroundings of a bath, shower or swimming pool.
- Follow general and special fire safety regulations in force in all fields of applications.
- Floors and ceilings must be made of fireproof materials in the place where the heater is operated.
- DO NOT connect direct-fired heaters to air ducts.
- No liability is accepted for incorrect use of this product – do not use the product for tasks it is not designed for. Use the product correctly and with care. Failure to do so may cause damage and/or personal injury and will invalidate the warranty.
- At the end of the machine's working life, dispose of according the local authority guidelines.

Our products are designed to be used correctly and with care for the purpose for which they are intended. No liability is accepted by the Tool Connection for incorrect use of any of our products, and the Tool Connection cannot be held responsible for any damage to personnel, property or equipment when using the tools. Incorrect use will also invalidate the warranty.

If applicable, the applications database and any instructional information provided has been designed to offer general guidance for a particular tool's use and while all attention is given to the accuracy of the data no project should be attempted without referring first to the manufacturer's technical documentation (workshop or instruction manual) or the use of a recognised authority such as Autodata.

It is our policy to continually improve our products and thus we reserve the right to alter specifications and components without prior notice. It is the responsibility of the user to ensure the suitability of the tools and information prior to their use.



Safety First. Be Protected.

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