



# USER MANUAL



**Elite 110v 2.8kw Fan Heater**

**Product Code:  
EHFH110**



Serial Number Range:

From:

To:

Year Of Manufacture:

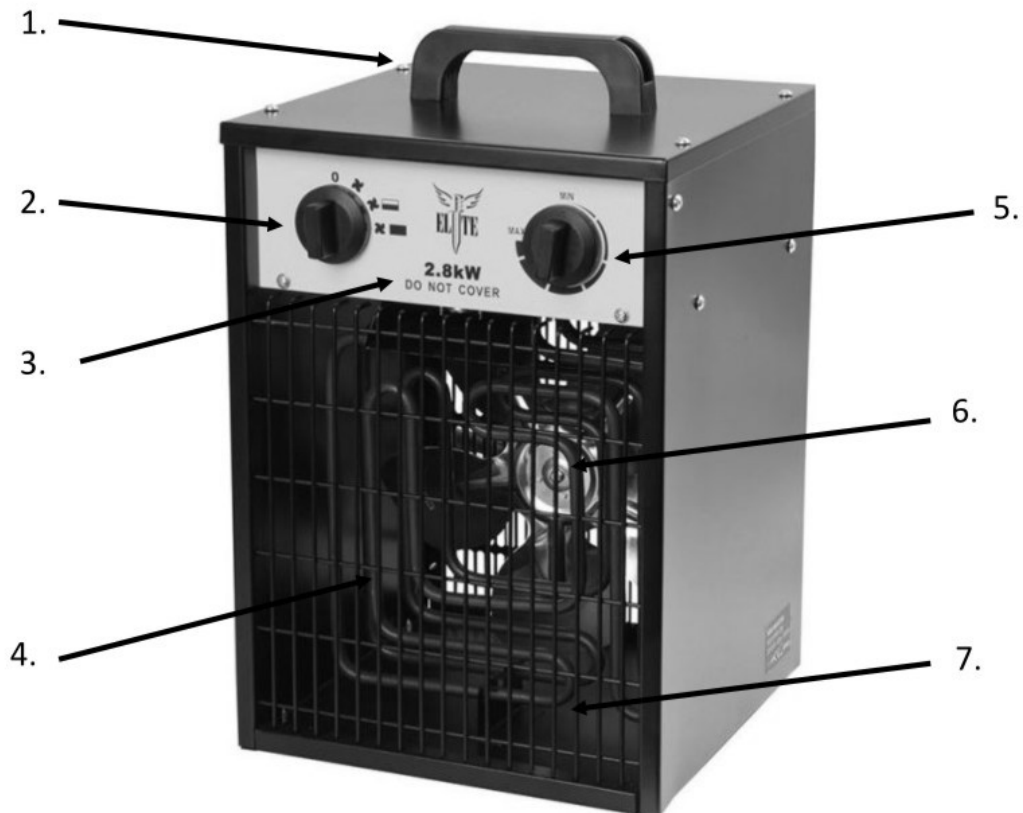
**\*Please note, when ordering online via our website if the part number is not recognised, please Email [spares@hscgroupuk.co.uk](mailto:spares@hscgroupuk.co.uk) or Telephone 0115 946 1988**

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**PRODUCT KEY COMPONENT IDENTIFICATION**

- |                          |                           |
|--------------------------|---------------------------|
| 1. Carry Handle          | 5. Thermostat switch      |
| 2. Power selector switch | 6. Motor and fan assembly |
| 3. Control panel         | 7. Safety grill           |
| 4. Heating elements      |                           |

**INSPECT YOUR NEW HEATER**

The package should include the following items which should be removed from its packaging carefully and inspected for damage:

**Elite Fan Heater (with power cord, plug & 2X 1.4kW (110V), 2X 1.2kW (240V) elements)**

Thank you for purchasing the Elite Fan Heater (EHFH110 & EHFH240), manufactured to the highest standards drawing upon over 20 years' experience supplying the UK hire and construction industry, this product will, if used in accordance with these operating instructions, labels affixed to the product and properly maintained, provide you with many years

## GENERAL SAFETY INFORMATION

### **Safety Warning** – Safe use of electric heaters

When using multiple heaters from one supply please consider the following:

Can the RFC (ring main) safely carry the load applied – consider other equipment loaded on the circuit - a maximum of no more than two heaters should be connected on a tested and safe 32A protected RFC (ring main).

Is the RFC in good condition and adequately protected ideally with an RCD or RCBO.

Do not leave heaters unattended whilst switched on.

Ensure the outlet socket used is in good condition without defect.

Prolonged use at maximum power is NOT recommended. After 8 hours in use, it is recommended to either switch off or set to fan only mode and allow to cool for a minimum of 1 hour.

Do not operate heaters on timed circuits or with any timer accessories.


For maximum efficiency and power consumption reduction use the thermostat to set to the required temperature

If there is any doubt consult a qualified electrician.

### **WARNING**

**1.1** 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.

**1.2** 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 position and they have been given supervision and instruction concerning use of the appliance in a safe way and understand the hazards involved. Children aged 3 years and less than 8 years shall not plug in, regulate and clean the appliance or perform user maintenance.

**1.3**  **WARNING:** In order to avoid overheating, do not cover the heater.

**1.4** Children of less than 3 years should be kept away and constantly supervised.

**1.5 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.

**1.6 WARNING:** This heater is not equipped with a device to control the room temperature. Do not use the heater in small rooms when they are occupied by persons not capable of leaving the room on their own, unless constant supervision is required.

## CAUTION – SPECIAL SAFETY REGULATIONS

**5.1** When using electrical appliance basic precautions should always be followed including below:

**5.1.1** The fan heater is not suitable for use outdoors in damp weather, in bathrooms or in other wet or damp environments.

**5.1.2** Please note that the fan heater can become very hot and should be placed at a safe distance from flammable objects such as furniture, curtains and similar. A recommended safe distance from flammable objects is 2 meters.

**5.1.3** Do not cover the fan heater.

**5.1.4** The fan heater must not be located immediately below a wall socket outlet.

**5.1.5 CAUTION:** In order to avoid a hazard due to inadvertent resetting of the thermal cut-out, this appliance must not be supplied through an external switching device, such as a timer, or connected to a circuit that is regularly switched on and off by the utility.

**5.1.6** The fan heater must not be placed in rooms where flammable liquids or gases are used or stored.

**5.1.7** If an extension cord is used, it must be as short as possible and always be fully extended.

**5.1.8** You must not connect other appliances to the same mains socket as the fan heater.

**5.1.9** Do not use this fan heater in the immediate surroundings of a bath, a shower or a swimming pool

**5.1.10** 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.

**5.1.11** Make sure heater is always under surveillance and keep children and animals away from it;

**5.1.12** Do not place the appliance on moving vehicles or on uneven surfaces where it could be easily tipped over.

**5.1.13** When you don't use the appliance for a long time, unplug the appliance. Don't leave the heater unattended/unsupervised. Pull the plug straight out, never remove the plug by pulling on the cord.

**5.1.14** Keep the heater far from curtains or places where the air inlet can easily be blocked.

**5.1.15** In order to prevent possible electric shock or leakage current, never use the appliance with wet hands or operate the appliance when there is water on the power cord.

**5.1.16** Do not dispose of electrical appliances as unsorted municipal waste, use separate collection facilities. Contact your local government for information regarding the collection systems available. If electrical appliance are disposed of in landfills or dumps, hazardous substances can leak into the groundwater and get into the food chain, damaging your health and well-being.

**5.1.17** This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.

**5.1.18** Children should be supervised at all times to ensure that they do not play with the appliance.

## USER INSTRUCTION

**6.1** Depending on the power cord type this fan heater may be used only in household, warehouses and workshops, building sites or greenhouses depending. It incorporates a thermostat and a self-resetting thermal cut-out to control the heating elements. The thermostat measures the air temperature and controls this by switching the heater elements on/off. The fan motor is not controlled by thermostat and it keeps on working when the thermostat cuts off the heating element. The self-resetting thermal cut-out will switch off the heater to ensure the safety when overheating.

**6.2** When using the heater for the first time, you may notice a slight emission of smoke. This is quite normal and it stops after a short time. The heating element is made of stainless steel and was coated with protection oil by production. The smoke is caused by the left oil when heated.

**6.3** Position the fan heater so that it stands upright on a firm surface and at a safe distance away from wet environments and flammable objects.

**6.4** Connect the fan heater to the correct mains supply.

**6.5** Set the thermostat knob to the MAX and let the heater operate with full power.

**6.6** The fan heater will switch on when the heating selector switch is set to one of the two power settings.

**6.7** Once the room reaches the required temperature, slowly turn the thermostat until a faint audible click is heard, the heating element will stop working but fan will continue working. Once the temperature decreases, the heating element switch back on to maintain the required temperature. The fan heater now starts and stops automatically and thus keeps the room temperature constant.

**6.8** Before switching off the heater, please turn the thermostat to MIN position and turn the switch to fan position, let the appliance cool down for two minutes then turn off the heater and remove the plug.

**6.9** There is an additional thermostat to control the fan motor. If the temperature inside heater is high, the thermostat will turn on the fan only despite the heater itself being turned off. This is to cool down the heating elements and to prevent overheating.

**6.10 DO NOT** move the heater whilst switched on.

**6.11 DO NOT** move the heater by pulling on the power cord.

**6.12 DO NOT** remove the plug by pulling on the power cord.

**6.13 DO NOT** operate the heater without the safety guards.

**6.14 DO NOT** place any objects on the heater safety guard.

**6.15** Prolonged use at maximum power with the adjustable thermostat set to maximum is NOT recommended for periods exceeding 8 hours. After 8 hours usage at this setting, it is recommended to turn the heat off and the use the heater in fan only mode to cool the heater or switch off completely for a minimum of 1 hour. Once the heater has cooled the heating elements can be switched back on. It is recommended you follow section 6.7 and 6.8 within these user instructions to correctly set the heaters thermostat to set and maintain a comfortable room temperature.

**DO NOT LEAVE THE HEATER UNATTENDED WHILST SWITCHED ON**

## MAINTENANCE, TESTING AND TROUBLE SHOOTING

### 7. CLEANING AND MAINTENANCE

**7.1** Before cleaning the appliance, disconnect it from the mains supply and let it cool down. To remove any surface dirt or debris from the appliance, wipe with lightly dampened soft sponge. A diluted mild detergent with water not exceeding 50 °C is recommended, then dry the heater enclosure with clean cloth. Be careful not to let the water enter the appliance inner. Don't splash water onto the heater, never use solvent like gasoline etc. to clean the heater, in order to protect the enclosure.

**7.2** Clean the cord and plug, dry and pack it in a plastic bag.

**7.3** When you store the heater, let it cool down first, keep it dry. Then cover it with a plastic bag, put in a packing box and store it in a dry well ventilated location.

**7.4** The type Y attachment- method of attachment of the supply cord such that any replacement is intended to be made by the manufacturer, its service agent or similar qualified person.

**7.5 DO NOT** use abrasive clothes or cleaning solution as this will damage the painted surfaces.

**7.6** If storing for prolong periods of time it is recommended to retain and reuse the original packaging.

### 8. ELECTRICAL TESTING:

#### **WARNING THIS IS A CLASS 1 TESTED APPLIANCE**

When earth bond testing the reading should be less than 0.10Ω and below.

Always conduct earth testing from a non-painted fixed point on the appliance to ensure accurate testing

### 9. STORAGE & TRANSPORT:

**9.1** Ensure the product is thoroughly cooled before handling and storage

**9.2** Where possible retain and use the original packaging for prolong periods of storage

**9.3** Where possible ensure the heater is transported in an upright position.

**9.4** Conduct a thorough inspection and test after prolonged storage to ensure safe and correct operation.

**9.5** After prolonged storage upon first turning on there maybe an unusual smell noted from the heater, this is normally any residue dust settled on the lamps and should pas after several minutes of use. If this does not pass switch off immediately and inspect the heater.

**10. TROUBLE SHOOTING:**

You can solve many common problems easily, saving you the cost of a possible service call. Try the suggestions below to see if you can solve the problem before calling the service centre.

| <b>PROBLEM</b>  | <b>POSSIBLE CAUSE</b>   | <b>SOLUTION</b>   |
|---|---|---|
| The heater does not operate, even when it is plugged in and both the switch and thermostat are switched on. | The plug is not located fully, or there is a bad connection                     | Remove plug and inspect. Conduct visual inspection of the outlet socket. Reseat the plug and test.  |
|   | No power present in the connected socket  | Re-position the heater and use another socket to confirm possible fault. Try another appliance in the socket to confirm correct operation.  |
| The heater element/s are glowing  | The input voltage is too high or too low  | Check power supply voltage and ensure this matches the voltage stated on the product rating plate   |
|   | The air inlet safety grill is blocked   | Remove blockage. Ensure the immediate area is free from articles that may block the heater grill  |
| The fan heater is not warming up, only the cooling fan is working   | Is the selector switch is not selected to the heat setting.                     | Turn the selector switch to the heater setting.   |
|   | The thermostat has operated.  | Turn the thermostat and listen if there is an audible click to either open or close the thermostat. If there is no click the thermostat is damaged and requires replacement. If there is a click turn the thermostat up until the click is noted and the element will heat up |
|   | The self-resetting cut-out operated   | Turn the heater off and remove the plug from the socket, inspect both the inlet and the outlet. Disconnect the plug and wait at least 10 minutes for the protection system to reset before attempting to restart the heater   |
|   | The none self-resetting cut-out operated (only for a device with this function) | Disconnect the power, use a narrow pointed tool and insert into the hole located on the control panel, press down to reset the reset button and reconnect the circuit. Reconnect the power and operate as required.   |
| Abnormal noise  | The appliance is not positioned on a flat level surface.                        | Reposition the appliance on a flat level surface.   |
|   | There is a foreign object fouling internal moving components                    | Disconnect power supply, clear blockage / foreign object and test.  |



**10. TECHNICAL SPECIFICATIONS:**

| MODEL                     | EHFH110       | EHFH240       |
|---------------------------|---------------|---------------|
| VOLTAGE                   | 110V          | 240V          |
| MAX POWER                 | 2800W         | 2400W         |
| CURRENT                   | 25.45A        | 10A           |
| REQUIRED FUSE             | 32A           | 13A           |
| POWER SETTINGS            | 30/1400/2800W | 30/1200/2400W |
| SEFL-RESETTING THERMOSTAT | 85°C          | 85°C          |
| DIMENSIONS (mm)           | 270x255x400mm | 270x255x400mm |
| NETT WEIGHT (KG)          | 5.7KG         | 5.2KG         |

| Model identifier(s):  |        |       |  |  |       |
|---|--------|-------|--|--|-------|
| Item  | Symbol | Value | Unit   | Item   | Unit  |
| Heat output   |        |       | Type of heat input, for electric storage local space heaters only (select one) |  |       |
| Nominal heat output   | Pnom   | 2,8   | kW   | Manual heat charge control with integrated thermostat                        | [no]  |
| Minimum heat output (indicative)  | Pmin   | 1,4   | kW   | Manual heat charge control with room and/or outdoor temperature feedback     | [no]  |
| Maximum continuous heat output  | Pmax   | 2,8   | kW   | Electronic heat charge control with room and/or outdoor temperature feedback | [no]  |
| Auxiliary electricity consumption   |        |       | Fan assisted heat output   |  |       |
| At nominal heat output  | elmax  | N/A   | kW   | Type of heat output/room temperature control (select one)                    |       |
| At minimum heat output  | elmin  | N/A   | kW   | Single stage heat output and no room temperature control                     | [no]  |
| In standby mode   | elSB   | N/A   | W  | Two or more manual stages, no room temperature control                       | [no]  |
|   |        |       |  | With mechanic thermostat room temperature control                            | [yes] |
|   |        |       |  | With electronic room temperature control                                     | [no]  |
|   |        |       |  | Electronic room temperature control plus day timer                           | [no]  |
|   |        |       |  | Electronic room temperature control plus week timer                          | [no]  |
|   |        |       |  | Other control options (multiple selections possible)                         |       |
|   |        |       |  | Room temperature control, with presence detection                            | [no]  |
|   |        |       |  | Room temperature control, with open window detection                         | [no]  |
|   |        |       |  | With distance control option   | [no]  |
|   |        |       |  | With adaptive start control  | [no]  |
|   |        |       |  | With working time limitation   | [no]  |
|   |        |       |  | With black bulb sensor   | [no]  |
| Contact details:  |        |       |  |  |       |
| Remark:<br>For electric local space heaters, the measured seasonal space heating energy efficiency $\eta_s$ cannot be worse than the declared value at the nominal heat output of the unit. |        |       |  |  |       |



## Recycling



**ENVIRONMENTAL PROTECTION:** Please recycle any unwanted materials as opposed to disposing them as general waste. It is recommended the original is retained and used to store the product when not in use for prolonged periods of time. If this is not applicable ensure the materials are sorted and recycled in accordance with local regulations.



**SPECIFICATION CHANGE:** It is our policy to continually improve products to ensure these meet the rigours of the industry we serve. Therefore, as such we reserve the right to alter specifications, data, components & parts with-out prior notice.

**WARRANTY:** Please refer to the manufactures terms & conditions.

**IMPORTANT:** No liability will be accepted for the incorrect use of this product.

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