



## User's Manual and Operating Instructions

FAN HEATERS

**READ INSTRUCTIONS CAREFULLY:** Read and follow all instructions. Place instructions in a safe place for future reference. Do not allow anyone who has not read these instructions to assemble, adjust or operate the heater.

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

**Model: EHFH110;EHFH240**

### WARNING

1.1 This appliance should not be used by children or by persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge. Children should not be left alone unsupervised whilst the heater is plugged in and working. Cleaning and user maintenance should be carried out by an experienced and responsible adult.

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

1.3 Children of less than 3 years should be kept away and continuously supervised.

1.4 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

2.1 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 feels the air temperature and controls the surrounding temperature. 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.

2.2 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.

### 3. Technical specifications

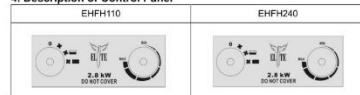
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Model	EHFH110	EHFH240
Waterproof Class	IPX4	IPX4
Voltage	110V	240V
required power	2800W	2800W
current	25-45A	11.66A
Required Fuse	32A	13A
Setting	30/1400/2800W	30/1400/2800W
Self-resetting Thermostat	85°C	85°C
Size of heater (mm)	270x255x400	270x255x400
N.W.(KG)	5.7KGS	5.2KGS

3.1 Housing of steel plate and coated by heat-resistant powder.

3.2 Supplied complete with cord and plug.

### 4. Description of Control Panel



4.1 Left Knob: selector with heat setting

4.2 Right Knob: Thermostat dial

### 5. 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.

5.1.5 Do not connect the fan heater using an on/off timer or other equipment which can automatically switch the device on.

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

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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 for a considerable amount of time when in use. 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.

### 6. Using Instructions

6.1 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.

6.2 Connect the fan heater to the correct mains supply.

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

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

6.5 Once the room reaches the required temperature, the heating element will stop working but fan will continue working. Once the temperature decreases, the heating element will start working. The fan heater now starts and stops

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automatically and thus keeps the room temperature constant.  
6.6 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.

6.7 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.

### 7. Cleaning and Maintenance

7.1 Before cleaning the appliance, disconnect it from the mains supply and let it cool down. The enclosure is easily to get dirty, wipe it often with soft sponge. For every dirty parts, wipe with a sponge dipped in <50°C water and mild detergent, 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, ventilated place.

### 8. 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 center.

Problem	Possible cause	Treatment
The heater does not operate, even when it is plugged in and the switch, thermostat are switched on.	The plug is loose, bad connection No power in socket outlet	Pull out the plug, check the connection of the plug and socket. Then connect again. Re-position the heater and try a different power socket.
The heating element glowing	The input voltage is too high or too low The air inlet grill is blocked	Use power supply according to the rating on the label Keep the heater far away from articles like curtain, plastic bag, paper and other things which can cover the inlet.

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The appliance didn't heat up, only ventilator worked	The switch was not put at heating setting.	Turn the switch to heat setting
	The thermostat operated	Turn the thermostat and listen if there is open/close click. If there is no click and the thermostat is not damaged, the heater will automatic switch on when the appliance cooled down
	The self resetting cut-out operated	Turn the heater off and inspect the blockage of inlet or outlet. Disconnect the plug and wait at least 10 minutes for the protection system to reset before attempting to restart the heater.
	The Non-self resetting cut-out operated (only for the device with this function)	Disconnect the power, use a this tool and insert it in the reset hole on the control panel, press down the reset button and connect the circuit
Abnormal noise	The appliance is not stood upright or is on an uneven surface	Put the heater on a level surface

### Disposal



### Environmental Protection

Waste electrical production should not be disposed of with household waste. Please recycle where facilities exist. Check with your Local Authority or retailer for recycling advice.

Model identifier(s)	Symbol	Value	Unit	Item	Unit
Type of heat input, for electric storage local space heaters only (select one)					
Heat output				Manual heat charge control with integrated thermostat	[kW]
Normal heat output	From	3.0	kW	Manual heat charge control with room and/or outdoor temperature feedback	[kW]
Minimum heat output (indicated)	From	1.0	kW	Manual heat charge control with room and/or outdoor temperature feedback	[kW]
Maximum heat output	From	0.5	kW	Electronic heat charge control with room and/or outdoor temperature feedback	[kW]
Maximum continuous heat output				Fan assisted heat output	[kW]
Auxiliary electricity consumption					[W]
At control panel	Wmax	N/A	kW	Type of heat outdoor/room temperature control (select one)	
At minimum heat output	Wmin	N/A	kW	Single stage heat output and no room temperature control	[kW]
In standby mode	Wsb	N/A	W	Two or more manual stages, no room temperature control	[kW]
				With mechanical thermostat room temperature control	[W]
				With electronic room temperature control	[W]
				Electronic room temperature control plus day timer	[W]
				Electronic room temperature control plus week timer	[W]
				Other control options (mechanical/electronic/remote)	[W]
				Room temperature control, with presence detection	[W]
				Room temperature control, with open window detection	[W]
				With distance control option	[W]
				With relative start control	[W]
				With working time limitation	[W]
				With black sub sensor	[W]
Correct metric:					
Remark:					
For electric local space heaters, the measured seasonal space heating energy efficiency $\eta_{s,h}$ cannot be worse than the declared value at the control heat output of the unit.					

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