



Handbuch und Bedienungsanleitung Elektrische Gewächshausheizung

TROPIC 2000W



EN : This product is only suitable for well insulated rooms or occasional use.
DE : Dieses Produkt ist nur für gut isolierte Bereiche oder gelegentliche Verwendung geeignet. **FR** : Ce produit convient uniquement à des endroits bien isolés ou pour un usage occasionnel. **IT** : Questo prodotto è adatto solo per spazi ben isolati o per uso occasionale. **NL** : Dit product is uitsluitend geschikt voor goed geïsoleerde ruimten of voor sporadisch gebruik. **NO** : Dette produktet egner seg kun for godt isolerte rom eller sporadisk bruk. **SV** : Denna produkt är endast lämplig för användning i väl isolerade utrymmen eller enstaka användning.

DE

EN

FR

SV

EN

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, light, adjust or operate the heater.

Type: TROPIC 2000 W

1. Safety instructions

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

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

1.4 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.

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.

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 controlled by thermostat and it stops 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

Model	TROPIC 2000 W
Voltage	220-240V
IP	IPX4
Required power	2000W
Current	8.3-9.1A
Required Fuse	10A
Setting	25/1000/2000W
Product meast (mm)	220 x 200 x 335 mm
N.W.(KG)	3.34 Kg

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



5. Special safety regulations

5.1 5.1 Before use, please check the marking on the power cord. Depending on the power cord type this appliance may be used in different ambient conditions:

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

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

5.2.2 Please note that the fan heater can become very hot and should, therefore, be placed at a safe distance from flammable objects such as furniture, curtains and similar.

5.2.3 Do not cover the fan heater.

5.2.4 The fan heater must not be located immediately below a socket outlet.

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

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

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

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

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

5.2.10 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.

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

5.2.12 Do not place the appliance on moving vehicles or some where easy to be tipped over.

5.2.13 5.2.13 When you don't use the appliance for a long time, unplug the appliance. Don't leave the heater for a considerable amount of time when in use. Pull the plug straight out ,never remove the plug by pulling on the cord.

5.2.14 Keep the heater far from curtain or places where the air inlet can easily be blocked.

5.2.15 The power coupler is waterproof when not in use. In order to prevent possible electric shock or leakage current ,never use the appliance with wet hand or operate the appliance when there is water on the power cord.

5.2.16 Do not dispose of electrical appliances as unsorted municipal waste, use separate collection facilities. Contact you 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.

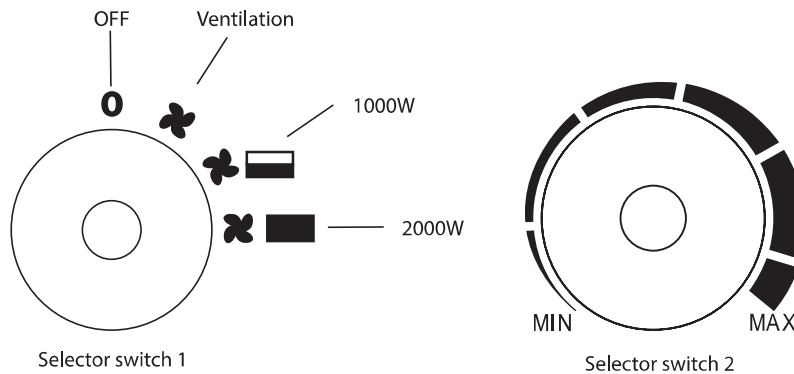
5.2.17 This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.

5.2.18 Children should be supervised to ensure that they do not play with the appliance.

6. Using Instructions

6.1. Winter operation – Heating :

Select the desired operating mode on selector switches 1. Depending on size and location of the greenhouse, a heating power setting of 2000 W or 1000 W is recommended in the winter months. In autumn and spring, however, the lower setting of 1000 W will often suffice.



1000 Watt: Ideal frost protection for a greenhouse up to approx. 2 x 3 m.

2000 Watt: Ideal frost protection for a greenhouse up to approx. 3 x 4 m.

Set the desired temperature on the thermostat dial with selector switch 2 (see page 8). Referring to the above example, determine the thermostat setting corresponding to the desired temperature and set the thermostat. Now allow the heater to run for a while and monitor the temperature using a thermometer (we recommend a MIN-MAX thermometer). Make minor adjustments up or down if the desired temperature is not maintained. This setting only needs to be made once, during initial start-up. After the correct setting has been made, the heater will keep the greenhouse temperature constant. Note: It is unfortunately not possible to show temperatures on the dial of the thermostat because the temperature is dependent on size, insulation, stocking and location of each individual greenhouse.

6.2 Summer operation – Fan only:

Select operation with air circulation to ventilate your greenhouse in summer or promote plant pollination. Turn the selector switch 1 to position fan only without heat (fan symbol)

Recommendation: Should you wish to keep valuable plants in your greenhouse over winter, we recommend installing a second source of heating as a backup if this heater should fail (e.g. power failure). In this way you can prevent your plants from succumbing to frost. Note: Some smoke or smell may be evident during initial start-up. No need for concern. This is produced by residues of oil or dust on the heater elements due to the manufacturing process. Safety feature Temperature-controlled switch-off: The apparatus will automatically switch off temporarily if it should overheat. To restart, switch off the heater for 5 to 10 minutes to cool down. Another reason or automatic switch-off may be blockages in the air inlet or exhaust apertures. In this case, please remove the obstructing objects. It may, however, also be an indication that the fan has failed. In this case, switch off the heating apparatus, unplug it and call on an authorised technician for repairs.

7. Warranty

We offer you a 2-year unlimited manufacturer's warranty (effective from the date of purchase) on all Bio Green products. Damages arising from external force, improper use as well as non-observance of cleaning and servicing and these operating instructions, are excluded under this warranty. The manufacturer is not responsible for damages arising from frost, inadequate heating power for the size of the space to be heated, or due to inadequate thermal insulation.

8. Cleaning and Maintenance

8.1 Before cleaning the appliance, disconnect it from the socket 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.

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

8.3 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.

8.4 Opening of the appliance and possible repairs may only be performed by authorised technicians in due consideration of the applicable repair provisions. Only original components may be fitted. The warranty covering proper operation and operating safety is valid only if the apparatus is properly installed and handled. This is also applicable with respect to statutory provisions for technical working materials as well as applicable accident prevention regulations.

9. 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.

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	Pull out the plug, check the connection of the plug and socket. Then connect again.
	No power in socket outlet	Insert the plug in a proper socket
The heating element glowing	The input voltage is too high or too low	Use power supply according to the rating on the label
	The air inlet grill is blocked	Keep the heater far away from articles like curtain, plastic bag, paper and other things which can cover the inlet or can be easily cover on the air inlet
The appliance didn't heat up, or only ventilator worked	The switch was not put at heating setting	Set the switch to heating position
	The thermostat operated	Turn the thermostat and hear if there is a noise occurs. If this is not the case and the thermostat is undamaged, the fan heater will heat up again automatically when the appliance has 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.
Abnormal noise	The appliance is not stands upright	Put the heater on a level surface

Disposal and 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.