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- › **TROTEC Convector Heater TCH 20 E User Manual**

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Model: TCH 20 E

1. INTRODUCTION

This manual provides essential information for the safe and efficient operation of your TROTEC Convector Heater TCH 20 E. Please read these instructions carefully before using the appliance and keep them for future reference.

The TROTEC Convector Heater TCH 20 E is designed to provide quick and easy heating for indoor spaces. It functions as an optimal heating solution for various scenarios, including supplementary heating, transitional heating, or heating rooms not connected to central heating systems. The device operates by heating the air inside, which then rises, creating a natural circulation of warm air throughout the room.



Figure 1: Front view of the TROTEC Convector Heater TCH 20 E, showcasing its compact design and control panel.

2. SAFETY INSTRUCTIONS

WARNING: Failure to follow these safety instructions may result in fire, electric shock, or injury.

- Read all instructions thoroughly before operating the heater.
- Ensure the voltage indicated on the rating label corresponds to your mains voltage before connecting the appliance.
- Do not cover the heater. Covering the heater can cause overheating and create a fire hazard.
- Keep the heater away from water and do not use it in bathrooms, laundry areas, or similar wet locations.
- Do not insert any objects into the heater's openings. This can cause electric shock, fire, or damage to the heater.
- Always unplug the heater when not in use or before cleaning.
- Keep children and pets away from the heater, especially when it is in operation.
- Place the heater on a stable, level surface to prevent tipping.
- Maintain a minimum distance of 1 meter (3 feet) from flammable materials such as curtains, furniture, and other combustible items.
- Do not use the heater with an external timer, programmer, or any other device that switches the heater on automatically, as a fire risk exists if the heater is covered or positioned incorrectly.
- This appliance is for indoor use only.

3. SETUP AND INSTALLATION

1. **Unpacking:** Carefully remove the heater from its packaging. Retain the packaging for future storage or transport.
2. **Placement:** Place the heater on a firm, level, and heat-resistant surface. Ensure there is adequate clearance around the heater for proper air circulation. Do not place it directly under a power outlet.
3. **Power Connection:** Plug the power cord into a suitable 230V electrical outlet. Ensure the outlet is easily accessible.

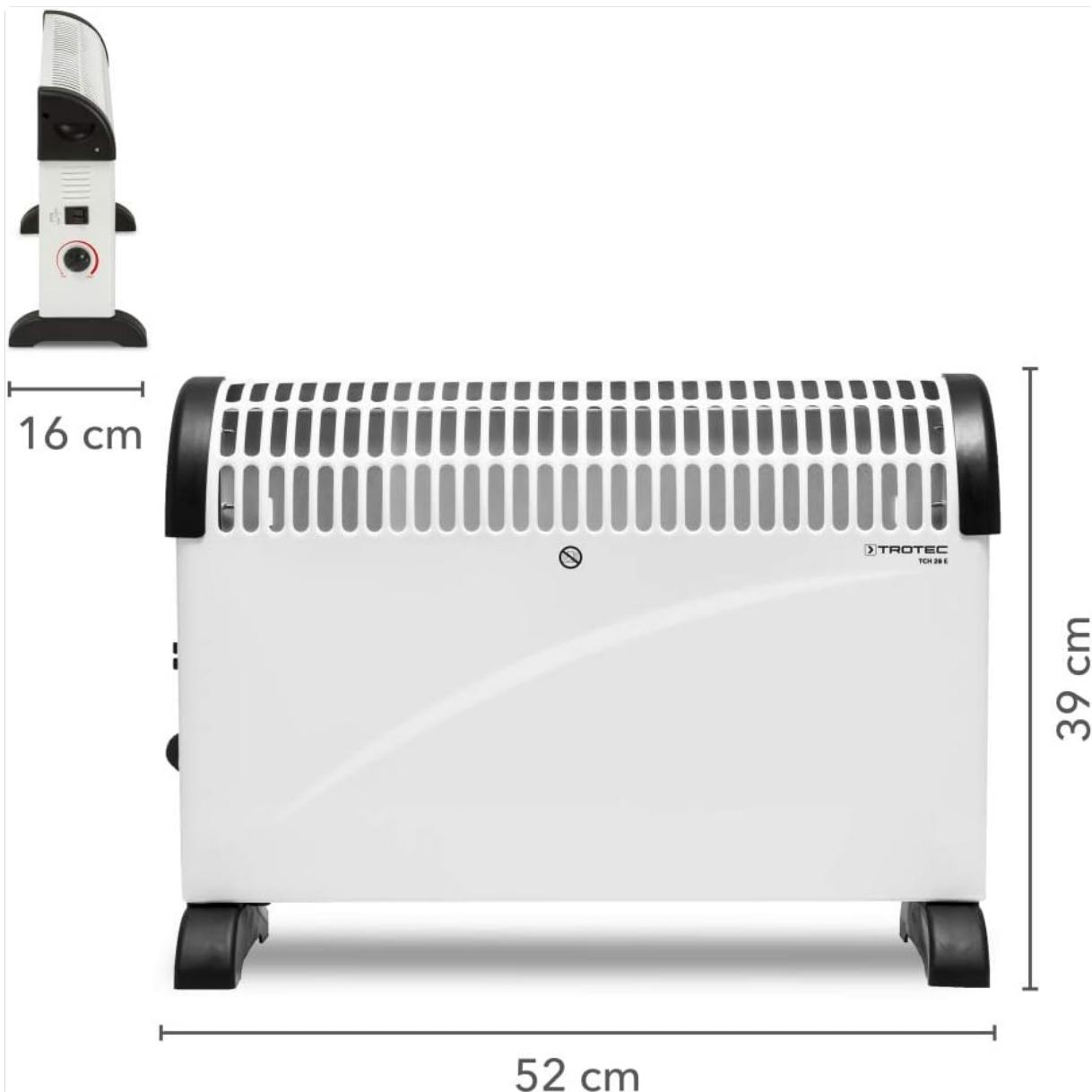


Figure 2: Dimensions of the TROTEC Convector Heater TCH 20 E, showing its compact size for easy placement.

4. OPERATING INSTRUCTIONS

The TCH 20 E Convector Heater features multiple power settings and a thermostat for precise temperature control.

4.1 Control Panel Overview

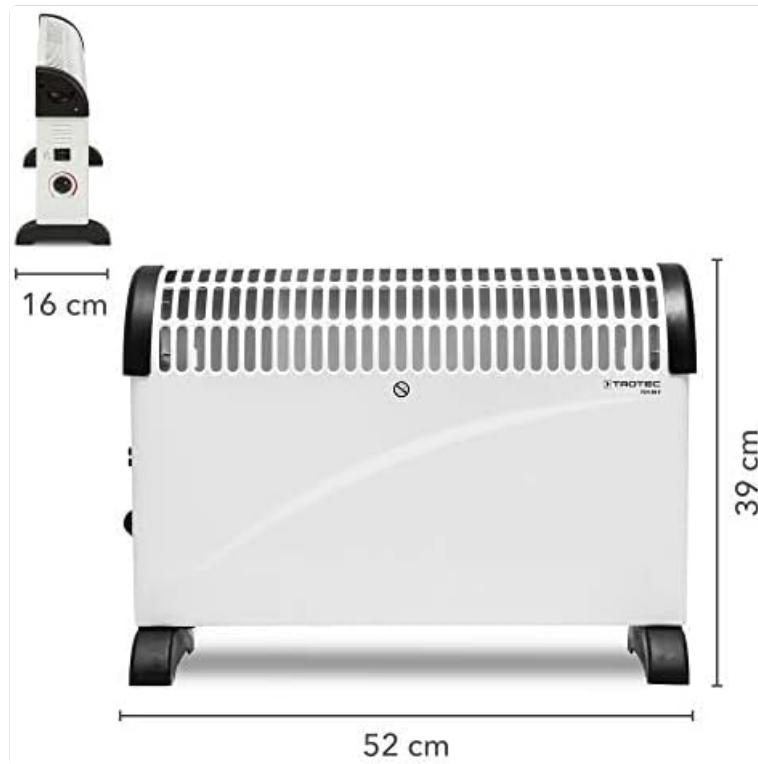


Figure 3: Front view of the heater, highlighting the power switches and thermostat knob.



Figure 4: Side view of the heater, providing a clearer perspective of the control panel layout.

4.2 Power Settings

The heater offers three heat levels, controlled by two rocker switches on the side panel:

- **Switch 1 (Bottom):** Activates 750W heating power.
- **Switch 2 (Top):** Activates 1250W heating power.
- **Both Switches On:** Activates the maximum 2000W heating power (750W + 1250W).



Figure 5: Detailed view of the two power switches, indicating their respective wattage settings.

4.3 Thermostat Control

The steplessly adjustable thermostat knob allows you to set your desired room temperature. Once the pre-set temperature is reached, the device will automatically turn off. It will switch on again if the room temperature falls below the set level.

- Turn the knob towards "MIN" for lower temperatures.
- Turn the knob towards "MAX" for higher temperatures.



Figure 6: Close-up of the thermostat control knob, ranging from MIN to MAX settings.

4.4 Frost Protection Feature

The TCH 20 E includes a frost guard feature. When activated (usually by setting the thermostat to its lowest setting with a snowflake symbol), the heater will automatically turn on if the room temperature drops below a certain point (typically around 5°C / 41°F) to prevent freezing.

4.5 Overheat Protection

For safety, the heater is equipped with an integrated overheat protection system. If the heater's internal components reach an unsafe temperature, the device will automatically shut off. If this occurs, unplug the heater, allow it to cool down, and check for any obstructions around the air inlets or outlets before restarting.

5. MAINTENANCE AND CLEANING

WARNING: Always unplug the heater from the power outlet and allow it to cool completely before performing any maintenance or cleaning.

- **Exterior Cleaning:** Wipe the exterior surfaces of the heater with a soft, damp cloth. Do not use abrasive cleaners, solvents, or harsh chemicals, as these can damage the finish.

- **Air Vents:** Periodically check the air inlet and outlet grilles for dust and debris. Use a vacuum cleaner with a brush attachment to gently remove any accumulations. Ensure the vents are clear to maintain proper airflow and prevent overheating.
- Do not immerse the heater in water or any other liquid.

6. TROUBLESHOOTING

Problem	Possible Cause	Solution
Heater does not turn on.	No power supply. Thermostat set too low. Overheat protection activated.	Check if the power cord is securely plugged in and the outlet is functional. Increase the thermostat setting. Unplug, allow to cool, check for obstructions, then restart.
Heater produces insufficient heat.	Low power setting selected. Thermostat set too low. Room size too large for heater capacity.	Select a higher power setting (1250W or 2000W). Increase the thermostat setting. Consider using additional heating or a higher capacity heater for larger rooms.
Heater suddenly turns off.	Desired temperature reached (thermostat). Overheat protection activated.	This is normal operation. The heater will restart when the temperature drops. Unplug, allow to cool, check for obstructions, then restart.

7. TECHNICAL SPECIFICATIONS

Model: TCH 20 E

Brand: TROTEC

Heating Power: 750W / 1250W / 2000W

Voltage: 230 Volts

Number of Speeds: 3 (corresponding to power settings)

Product Dimensions (L x W x H): 52 cm x 13.3 cm x 39 cm (approx. 20.5 x 5.2 x 15.4 inches)

Weight: 2 kg (approx. 4.4 lbs)

Special Features: Noiseless operation, Thermostat control, Frost protection, Overheat protection

Heating Method: Convection

Mounting Type: Floor Mount

Item Model Number: 1410000510

8. STORAGE

When not in use for extended periods, store the heater in a cool, dry place. It is recommended to store it in its original packaging to protect it from dust and damage.

9. DISPOSAL

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 appliances 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.

10. WARRANTY AND SUPPORT

For warranty claims or technical support, please contact the retailer or manufacturer directly. Keep your proof of purchase for any warranty-related inquiries.