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## TROTEC TDS 20 R

# TROTEC TDS 20 R Electric Fan Heater 3 kW

## INSTRUCTION MANUAL

### 1. Safety Information

Read all safety warnings and instructions carefully before using this appliance. Failure to follow the warnings and instructions may result in electric shock, fire, or serious injury. Keep this manual for future reference.

- **Electrical Safety:** Ensure the power supply matches the voltage specified on the appliance. Do not operate the heater with a damaged cord or plug. Do not immerse the heater in water or other liquids.
- **Placement:** Place the heater on a stable, level surface. Maintain a safe distance from flammable materials such as furniture, curtains, and paper. Do not cover the heater.
- **Operation:** Do not use the heater in bathrooms, laundry areas, or similar wet locations. Always unplug the heater when not in use or before cleaning.
- **Children and Vulnerable Persons:** This appliance can be used by children aged 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.
- **Overheating Protection:** The appliance is equipped with an overheating protection feature. If the heater overheats, it will automatically shut off. Unplug the heater, allow it to cool down, and remove any obstructions before restarting.

### 2. Product Overview

The TROTEC TDS 20 R is a robust electric fan heater designed for efficient heating in various environments. It features a metal casing, integrated thermostat, and multiple power settings.

#### Product Components

The heater consists of a durable metal housing, a fan, heating elements, a control panel, and a

carrying handle for portability.



Figure 1: Overview of the TROTEC TDS 20 R Electric Fan Heater, highlighting its key features including thermostat control, 3 power settings, run-on function, auto-restart, and portability.

### Control Panel

The control panel is located on the front of the unit and includes dials for thermostat control and power selection.



Figure 2: Close-up view of the control panel, showing the thermostat dial (left) and the power setting dial (right).

## Dimensions



Figure 3: Product dimensions: 21 cm (depth) x 19.5 cm (width) x 27 cm (height).

### 3. Setup

1. **Unpacking:** Carefully remove the heater from its packaging. Retain the packaging for storage or future transport.
2. **Placement:** Position the heater on a firm, level, and non-flammable surface. Ensure there is adequate clearance around the heater (at least 1 meter from walls, furniture, and other objects) to allow for proper airflow and prevent fire hazards. Do not place the heater directly below a power outlet.
3. **Power Connection:** Plug the power cord into a suitable grounded electrical outlet. Ensure the outlet's voltage and current capacity are compatible with the heater's specifications (230 Volts).

## 4. Operating Instructions

- Turning On:** Ensure the heater is plugged in. Turn the power setting dial to one of the desired heat settings (e.g., fan only, 1.5 kW, or 3 kW).
- Adjusting Thermostat:** Use the thermostat dial to set the desired room temperature. The heater will operate until the set temperature is reached, then cycle on and off to maintain it. Turn the dial clockwise to increase the temperature and counter-clockwise to decrease it.
- Power Settings:** The heater offers multiple power settings:
  - **Fan Only:** Provides air circulation without heat.
  - **Low Heat (e.g., 1.5 kW):** For moderate heating.
  - **High Heat (3 kW):** For maximum heating output.
- Run-on Function:** After the heating elements are switched off, the fan may continue to run for a short period to cool down the internal components, extending the lifespan of the heater.
- Auto-restart:** In case of a power interruption, the heater is designed to automatically resume operation with the last selected settings once power is restored.
- Turning Off:** Turn the power setting dial to the 'OFF' position. Unplug the heater from the power outlet when not in use for extended periods.

## 5. Maintenance

Regular maintenance ensures optimal performance and extends the lifespan of your heater. Always unplug the appliance before performing any maintenance.

- Cleaning the Exterior:** Wipe the exterior surfaces with a soft, damp cloth. Do not use abrasive cleaners or solvents.
- Cleaning the Grilles:** Periodically clean the intake and output grilles to remove dust and debris. A soft brush or vacuum cleaner can be used. For thorough cleaning, the grilles can be unscrewed and the interior wiped with a damp cloth, as noted by user experience. Ensure the heater is completely dry before plugging it back in.
- Storage:** When not in use, store the heater in a cool, dry place, preferably in its original packaging, away from direct sunlight and moisture.

## 6. Troubleshooting

Problem	Possible Cause	Solution
Heater does not turn on.	No power supply; Power switch off; Overheating protection activated.	Check power cord and outlet; Turn power dial to a heat setting; Unplug, allow to cool, check for obstructions.

Problem	Possible Cause	Solution
Heater produces insufficient heat.	Thermostat set too low; Low power setting selected; Room too large for heater capacity.	Increase thermostat setting; Select a higher power setting (3 kW); Consider using in a smaller area.
Unusual smell during operation.	Dust accumulation on heating elements.	Unplug and clean the heater, especially the heating elements and grilles.
Heater makes excessive noise.	Fan obstruction; Loose components.	Unplug and check for any obstructions in the fan area. If noise persists, contact customer support.

## 7. Technical Specifications

- **Model:** TDS 20 R
- **Power Output:** 3 kW
- **Voltage:** 230 Volts
- **Number of Speeds:** 2 (Fan only, Low Heat, High Heat)
- **Special Feature:** Overheating Protection, Integrated Thermostat, Run-on Function, Auto-restart
- **Color:** Black
- **Dimensions (L x W x H):** 21 x 19.5 x 27 cm
- **Weight:** 3 Kilograms
- **Manufacturer Model Number:** 1410000002
- **Indoor/Outdoor Use:** Indoor
- **Power Source:** Corded Electric
- **Heating Method:** Forced Air

## 8. Warranty and Support

For warranty information, technical support, or spare parts availability, please refer to the official TROTEC website or contact their customer service directly. Keep your purchase receipt as proof of purchase.

No official product videos are available in the provided data for embedding in this manual.