

## TROTEC IDE 20 D

# TROTEC IDE 20 D Diesel Heater Instruction Manual

Model: IDE 20 D (1430000050)

## 1. INTRODUCTION

This manual provides essential information for the safe and efficient operation of your TROTEC IDE 20 D diesel heater. Please read these instructions carefully before initial use and keep them for future reference. The TROTEC IDE 20 D is a direct-fired diesel heater designed for heating well-ventilated areas, offering a nominal heat output of 20 kW and an air flow of 595 m<sup>3</sup>/h.



Image 1: Main view of the TROTEC IDE 20 D Diesel Heater, showing its robust design with wheels and handle for portability.

## 2. SAFETY INSTRUCTIONS

Always observe the following safety precautions to prevent injury or damage to the equipment:

- Ensure adequate ventilation when operating the heater, as it is a direct-fired unit and consumes oxygen.
- Do not use the heater in enclosed spaces or residential areas without proper ventilation.
- Maintain a safe distance from combustible materials. Refer to local regulations for minimum clearances.
- Only use approved diesel fuel. Never use gasoline or other volatile fuels.
- Do not refuel the heater while it is running or hot. Allow it to cool down completely.
- Keep children and unauthorized persons away from the operating heater.
- Regularly inspect the power cord and plug for damage. Do not operate with a damaged cord.
- The heater is equipped with overheat protection. Do not bypass or modify safety features.
- Always place the heater on a stable, level, and non-combustible surface.

### 3. PACKAGE CONTENTS

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Verify that all components are present upon unpacking:

- TROTEC IDE 20 D Diesel Heater unit
- Wheel assembly (wheels, axle, fasteners)
- Handle assembly
- Instruction Manual

### 4. SETUP

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#### 4.1 Assembly

The heater requires minimal assembly before first use. Attach the wheels and handle to the main unit using the provided hardware. Ensure all connections are secure.



Image 2: Side view of the heater, illustrating the wheel and handle attachment points for mobility.

#### 4.2 Fueling the Heater

1. Ensure the heater is turned off and unplugged.
2. Locate the fuel cap on top of the fuel tank.
3. Carefully pour clean diesel fuel into the tank. The tank capacity is 19 liters.
4. Monitor the fuel level indicator to avoid overfilling.
5. Securely replace the fuel cap.



Image 3: Detail of the fuel cap and integrated fuel level indicator for easy monitoring.

#### 4.3 Placement

Position the heater in a well-ventilated area, ensuring sufficient clearance from walls, ceilings, and any combustible

materials. The heater should be placed on a firm, level surface.

## 5. OPERATING INSTRUCTIONS

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### 5.1 Starting the Heater

1. Ensure the heater is properly fueled and positioned.
2. Plug the power cord into a suitable electrical outlet.
3. Turn the power switch to the "ON" position. The fan will start, and the ignition sequence will begin.
4. The heater will automatically ignite the diesel fuel and begin producing heat.



Image 4: The control panel featuring the power switch and thermostat dial.

### 5.2 Adjusting Temperature (Thermostat)

The TROTEC IDE 20 D features an integrated thermostat. Use the thermostat dial on the control panel to set the desired temperature. The heater will cycle on and off automatically to maintain the set temperature.



Image 5: Front view displaying the fan guard and pressure gauge, indicating operational status.

### 5.3 Shutting Down the Heater

To turn off the heater, switch the power button to the "OFF" position. The fuel supply will be cut off, but the fan will continue to run for approximately 90 seconds to cool down the unit before completely shutting off. This cool-down period is crucial for the longevity of the heater components.

## 6. MAINTENANCE

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## 6.1 Cleaning

Ensure the heater is unplugged and completely cool before performing any cleaning. Wipe the exterior surfaces with a damp cloth. Do not use abrasive cleaners or solvents. Periodically check the air intake and fan for dust or debris accumulation and clean as necessary to maintain optimal airflow.

## 6.2 Fuel Filter

Regularly inspect and clean or replace the fuel filter to ensure a consistent fuel supply and efficient operation. Refer to the service manual for specific instructions on accessing and maintaining the fuel filter.

## 6.3 Storage

When storing the heater for extended periods, ensure the fuel tank is empty or filled with fresh, stabilized diesel fuel. Store the unit in a dry, clean environment, protected from dust and moisture. It is recommended to cover the heater to prevent dust buildup.



Image 6: The heater with its power cord neatly coiled, ready for storage or transport.

# 7. TROUBLESHOOTING

Before contacting customer support, review the following common issues and solutions:

Problem	Possible Cause	Solution
Heater does not start.	No power supply, empty fuel tank, power switch off.	Check power connection, ensure fuel tank is filled, turn power switch ON.
Heater starts but no heat.	Clogged fuel filter, incorrect thermostat setting, low fuel pressure.	Clean/replace fuel filter, adjust thermostat, check fuel lines for blockages.
Heater shuts off unexpectedly.	Overheat protection activated, low fuel level, power interruption.	Allow unit to cool, refill fuel, check power supply. Ensure proper ventilation.
Excessive smoke or odor.	Poor ventilation, incorrect fuel type, dirty burner components.	Increase ventilation, use only diesel fuel, clean burner and nozzle (professional service recommended).

# 8. SPECIFICATIONS

Feature	Value
Brand	TROTEC

Feature	Value
Model Number	1430000050
Nominal Heat Output	20 kW
Air Flow	595 m³/h
Heating Mode	Direct
Thermostat	Integrated
Overheat Protection	Yes
Fuel Tank Capacity	19 liters
Dimensions (L x W x H)	70 x 42 x 33 cm
Weight	11.5 kg

## 9. WARRANTY AND SUPPORT

For warranty information, technical support, or spare parts, please contact TROTEC customer service. Details can typically be found on the manufacturer's official website or on your purchase documentation. Always provide the model number (IDE 20 D) and serial number (if applicable) when seeking support.

*Note: Availability of spare parts information is not provided in the product data.*