

Manuals+

[Q & A](#) | [Deep Search](#) | [Upload](#)

manuals.plus /

- › [VEVOR](#) /
- › [VEVOR 8KW 12V Diesel Air Heater User Manual](#)

VEVOR Diesel Standheizung 8KW

VEVOR 8KW 12V Diesel Air Heater User Manual

Model: Diesel Standheizung 8KW

1. INTRODUCTION

The VEVOR 8KW 12V Diesel Air Heater is an all-in-one unit designed to provide efficient and rapid heating for various applications. This powerful heater ensures a comfortable environment in cold conditions by quickly preheating the air and maintaining desired temperatures. It is suitable for use in motorhomes, trucks, buses, boats, cabins, and warehouses. Key features include an energy-saving fuel pump, a durable aluminum body for uniform heat dissipation, and a user-friendly LCD thermostat with remote control for convenient operation.

This manual provides essential information for the safe and effective installation, operation, and maintenance of your VEVOR Diesel Air Heater. Please read it thoroughly before use and retain it for future reference.



Figure 1.1: VEVOR 8KW 12V Diesel Air Heater in use, warming a vehicle.

2. SAFETY INFORMATION

WARNING: Failure to follow these safety instructions could result in fire, explosion, electric shock, or other serious injury or property damage.

- **Carbon Monoxide Hazard:** This heater produces carbon monoxide, which is an odorless and colorless gas that can cause death. Always ensure adequate ventilation when operating the heater. Never operate the heater in an enclosed space without proper exhaust ventilation to the outside.
- **Exhaust System:** The exhaust pipe must always be routed outdoors and away from any air intakes to prevent exhaust gases from entering the heated space. Regularly inspect the exhaust system for leaks or damage.
- **Fuel Handling:** Use only diesel fuel. Do not use gasoline or other volatile fuels. Refuel in a well-ventilated area and away from open flames or ignition sources. Ensure the fuel cap is securely fastened.
- **Installation:** Install the heater according to the provided instructions. Ensure all connections (fuel, electrical, exhaust, air intake) are secure and leak-free. Do not modify the heater or its components.
- **Overheat Protection:** The heater is equipped with overheat protection. Do not block the air intake or outlet.

Ensure sufficient clearance around the heater for proper airflow.

- **Electrical Safety:** Ensure the power supply matches the heater's requirements (12V). Do not operate with damaged cables or connections.
- **Children and Pets:** Keep children and pets away from the heater during operation. The heater surfaces can become hot.
- **Flammable Materials:** Keep flammable materials, liquids, and vapors away from the heater. Maintain a safe distance from walls, furniture, and other objects.
- **Leakage Check:** Before initial use and periodically thereafter, check all fuel lines and connections for leaks. Address any leaks immediately.



Figure 2.1: Enhanced Security Features of the Heater.

3. PACKAGE CONTENTS

Verify that all items listed below are included in your package. If any parts are missing or damaged, please contact VEVOR customer support.

- 1 x All-in-One Diesel Heater Unit
- 1 x Remote Control
- 1 x Muffler
- 1 x Air Filter
- 1 x Intake Pipe
- 1 x Outlet Pipe
- 1 x Exhaust Pipe
- 1 x Heat Insulating Pipe Cover
- 1 x Installation Kit (includes clamps, screws, and other necessary hardware)
- 1 x User Manual

VEVOR®

WHAT'S IN THE BOX

Get rid of hassle installation



15.9 inch / 405 mm

16.3 inch / 415 mm



6.9 inch / 175 mm



User Manual



Muffler



Installation Parts



Intake Pipe &
Airoutlet Pipe



Air Filte



Exhaust Pipes & Heat Insulating Pipe Cover



Remote Control

Figure 3.1: Contents of the Product Package.

4. SPECIFICATIONS

Feature	Specification
Heating Power	8 kW
Fuel Type	Diesel Only
Rated Voltage	12 V
Switch Type	LCD
Material	Aluminum + Plastic
Fuel Consumption	0.1 - 0.24 L/h (0.026 - 0.063 gal/h)
Heater Working Temperature	-40 °C to +50 °C (-104 °F to +122 °F)
Oil Pump Working Temperature	-40 °C to +40 °C (-104 °F to +104 °F)
Adjustable Temperature Range	18 °C - 40 °C (64.4 °F - 104 °F)
Remote Control Distance	30 m (98 ft)
Tank Capacity	5 L (1.3 gal)
Heater Dimensions (L x W x H)	35 x 15 x 41 cm (13.8 x 5.9 x 16.1 inches)
Exhaust Pipe Diameter	2.5 cm (0.98 inches)
Weight	9.06 kg (19.97 lbs)



Figure 4.1: Detailed Product Specifications.

5. SETUP AND INSTALLATION

Proper installation is crucial for the safe and efficient operation of your diesel air heater. Refer to the diagram below and follow these general guidelines. For detailed, step-by-step instructions, consult the separate installation guide provided with your product.

General Installation Steps:

1. **Choose a Location:** Select a stable, flat, and well-ventilated location for the heater. Ensure there is sufficient clearance around the unit for air circulation and maintenance.
2. **Mount the Heater:** Securely mount the heater using the provided installation parts. Ensure it is stable and

cannot tip over.

3. **Connect the Exhaust Pipe:** Attach the exhaust pipe to the heater and route it safely outside the vehicle or structure. Ensure the exhaust gases are directed away from any windows, doors, or air intakes. Use the muffler to reduce noise.
4. **Connect the Air Intake Pipe:** Attach the air intake pipe and air filter. Ensure the air intake is clear of obstructions.
5. **Connect the Outlet Pipe:** Attach the hot air outlet pipe to direct heated air into the desired space.
6. **Fuel Connection:** Fill the integrated fuel tank with clean diesel fuel. Ensure the fuel cap is tightly sealed. Connect the fuel line from the tank to the heater's fuel pump.
7. **Electrical Connection:** Connect the heater to a 12V power source. Ensure all electrical connections are secure and insulated.
8. **Initial Check:** Before starting, double-check all connections for tightness and ensure there are no fuel leaks or obstructions in the air and exhaust paths.



Figure 5.1: Installation Guide Diagram.

6. OPERATING INSTRUCTIONS

The VEVOR Diesel Air Heater can be operated using the integrated LCD control panel or the included remote control.

6.1 LCD Control Panel

The LCD panel provides real-time status and allows for precise control over the heater's functions.

- **Power On/Off:** Press the power button (usually marked with a circle and vertical line) to turn the heater on or off.
- **Temperature Adjustment:** Use the 'Up' (▲) and 'Down' (▼) buttons to set your desired temperature. The heater will automatically adjust its output to maintain this temperature.
- **Settings:** Press the 'Setting' (gear icon) button to access various parameters such as fan speed, fuel pump frequency, and timer settings. Use the 'Up' and 'Down' buttons to navigate and 'OK' to confirm.
- **Timer Function:** The 24-hour timer allows you to schedule automatic power on and off times. This is useful for pre-heating your space before arrival.

6.2 Remote Control

The remote control offers convenient operation from a distance of up to 30 meters (98 feet).

- **Power On/Off:** Use the 'ON' and 'OFF' buttons to start or stop the heater.
- **Temperature/Power Adjustment:** Use the '+' and '-' buttons to increase or decrease the heating power or target temperature.
- **Pre-heating:** You can use the remote to pre-heat your vehicle or space before entering, ensuring a warm environment upon arrival.

LCD THERMOSTAT & REMOTE CONTROL

Pre-heat your car before entering it

Setting Confirm Raise On/Off Lower



24H Timer

30m/98 ft control distance
Automatically turn on and shut off

Figure 6.1: LCD Thermostat and Remote Control.

LOW NOISE

Enjoy your sweet dreams in a quiet and warm space

Low Noise



The exhaust pipe must be put outdoors

Figure 6.2: Low Noise Operation for a Quiet and Warm Space.

7. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your VEVOR Diesel Air Heater.

- **Cleaning:** Periodically clean the exterior of the heater with a soft, damp cloth. Do not use abrasive cleaners or solvents. Ensure the air intake and outlet grilles are free from dust and debris.
- **Air Filter:** Inspect and clean the air filter regularly. A clogged air filter can reduce efficiency and potentially cause overheating. Replace if damaged.
- **Fuel System:** Check fuel lines for any signs of wear, cracks, or leaks. Ensure all connections are tight. It is recommended to periodically check and clean the fuel filter to prevent blockages.
- **Exhaust System:** Inspect the exhaust pipe and muffler for any blockages, corrosion, or damage. Ensure the exhaust gases can exit freely and safely.
- **Electrical Connections:** Verify that all electrical connections are secure and free from corrosion.
- **Storage:** If storing the heater for an extended period, ensure the fuel tank is empty and the unit is clean and

dry. Store in a cool, dry place.

8. TROUBLESHOOTING

If you encounter issues with your VEVOR Diesel Air Heater, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Heater does not start	No power supply; Low fuel level; Clogged fuel line; Faulty ignition.	Check power connections and fuse; Refill fuel tank; Inspect and clear fuel line; Contact support if ignition issue persists.
Insufficient heating	Air intake/outlet blocked; Low fan speed setting; Dirty air filter; Incorrect temperature setting.	Clear obstructions; Increase fan speed; Clean or replace air filter; Adjust temperature setting.
Excessive noise (e.g., clicking pump)	Fuel pump operation noise; Loose components; Improper mounting.	Some pump noise is normal during operation. Ensure the heater is securely mounted; Check for loose parts. If noise is excessive or unusual, contact support.
Smoke or unusual odors	Incomplete combustion; Exhaust leak; Fuel leak; Contaminated fuel.	Immediately turn off the heater. Ensure proper ventilation. Check exhaust system for leaks. Verify fuel quality. If fumes persist, do not use and contact VEVOR support. This indicates a serious safety hazard.
LCD display not working	Power issue; Loose connection; Damaged display.	Check power supply; Inspect cable connections to the display.

If the problem persists after attempting these solutions, please contact VEVOR customer support for assistance.

9. WARRANTY AND SUPPORT

VEVOR products are designed for durability and performance. For information regarding warranty coverage, please refer to the warranty card included with your purchase or visit the official VEVOR website.

For technical support, troubleshooting assistance, or to inquire about replacement parts, please contact VEVOR customer service through their official channels. When contacting support, please have your product model number (Diesel Standheizung 8KW) and purchase details readily available.

You can visit the VEVOR store on Amazon for more information: [VEVOR Store](#)

