

[Manuals.plus](#) /

› [VEVOR](#) /

› VEVOR 8KW Diesel Air Heater Instruction Manual

VEVOR diesel air heater

VEVOR 8KW Diesel Air Heater Instruction Manual

Model: diesel air heater

1. INTRODUCTION

This manual provides essential information for the safe and efficient operation, installation, and maintenance of your VEVOR 8KW Diesel Air Heater. Please read this manual thoroughly before installation and use, and retain it for future reference.

Safety Warning:

- Ensure proper ventilation when operating the heater. The exhaust pipe must always be routed outdoors to prevent carbon monoxide poisoning.
- Do not operate the heater in enclosed, unventilated spaces.
- Keep flammable materials away from the heater and its exhaust.
- Always use the specified diesel fuel.
- Professional installation is recommended for fuel and exhaust systems.

2. PACKAGE CONTENTS

Verify that all components listed below are present in your package:



Image Description: A comprehensive view of the VEVOR 8KW Diesel Air Heater and all its included accessories. The main heater unit is red and black, with a blue LCD control panel. Surrounding it are various parts including a user manual, muffler, installation parts (screws, clamps), intake pipe, air outlet pipe, air filter, exhaust pipes, heat insulating pipe cover, and a remote control.

- 1 x Heater Unit
- 1 x LCD Switch Control Panel
- 1 x Remote Control
- 1 x Silencer (Muffler)
- 1 x Accessory Kit (includes screws, clamps, etc.)
- 1 x Intake Pipe
- 1 x Air Outlet Pipe
- 1 x Air Filter
- Exhaust Pipes & Heat Insulating Pipe Cover
- User Manual

3. PRODUCT OVERVIEW

The VEVOR 8KW Diesel Air Heater is designed to provide efficient heating for various diesel mechanical vehicles and spaces. Its robust construction and intelligent features ensure reliable performance.

Key Features:

- **Rugged Aluminum Body:** The combustion chamber, base, and heat-dissipating scale are constructed from sand-blasted aluminum, ensuring uniform and fast heat dissipation.
- **Energy-Saving Oil Pump:** An optimized frequency conversion ECU precisely controls the oil pump's injection frequency and intake air amount, extending the heater's service life and optimizing fuel consumption.
- **Low Noise Operation:** Noise is effectively reduced through blower speed control, a silent fan, a silent oil pump, and an included muffler, promoting a quiet environment.
- **Plateau Version Switch:** Equipped with a built-in altitude sensor, allowing operation at altitudes up to 5000 meters. The control panel displays fault codes, ambient temperature, set oil quantity, and set temperature.
- **Wide Application:** Suitable for heating cabs of various diesel mechanical vehicles including cars, buses, RVs, trucks, engineering vehicles, and boats.



Image Description: A diagram illustrating the wide range of applications for the VEVOR 8KW Diesel Air Heater, including motorhomes, trucks, buses, boats, cabins, and warehouses, emphasizing its versatility.



Image Description: An internal diagram of the VEVOR diesel air heater, highlighting its main components: combustion air fan, controller, combustion chamber, heat exchanger, air fan, air intake, oil inlet, and the paths of hot air and fumes. It also indicates overheating protection.

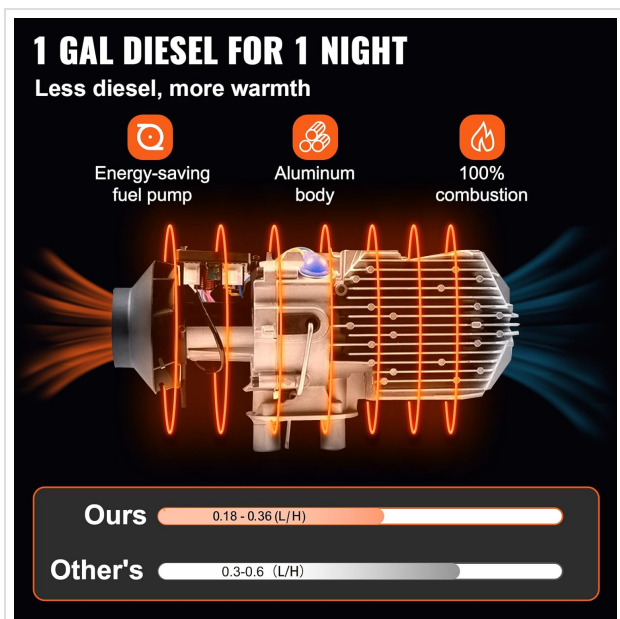


Image Description: A diagram showcasing the fuel efficiency of the VEVOR diesel air heater, highlighting its energy-saving fuel consumption compared to other models.

pump, aluminum body, and 100% combustion. A bar graph compares its fuel consumption (0.18-0.36 L/H) favorably against other heaters (0.3-0.6 L/H).



Image Description: A detailed diagram of the energy-efficient fuel pump, indicating the oil inlet and oil outlet. It provides a crucial installation tip: the oil outlet should face upward, and a 45-degree angle is recommended for optimal performance.

4. SETUP & INSTALLATION

Proper installation is crucial for the safe and effective operation of your diesel air heater. If you are unsure about any steps, consult a qualified professional.

General Installation Guidelines:

- Mounting:** Securely mount the heater unit in a stable location, ensuring adequate clearance around all sides for airflow and maintenance.
- Fuel System:** Connect the fuel line from the heater to your diesel fuel tank. Ensure all connections are tight and leak-free. The fuel pump should be installed according to the diagram, with the oil outlet facing upwards, ideally at a 45-degree angle.
- Exhaust System:** Connect the exhaust pipe to the heater and route it safely outside the vehicle or space. The muffler should be installed in the exhaust line. Ensure the exhaust is clear of any flammable materials and away from air intakes.
- Air Intake & Outlet:** Connect the air intake pipe and air outlet pipe. Ensure the air intake is clear of obstructions.
- Electrical Connection:** Connect the heater to a 12V power source. Ensure the wiring is correct and protected.
- Control Panel & Remote:** Install the LCD control panel in an accessible location. The remote control is pre-paired.



Image Description: An installation guide diagram for the VEVOR diesel air heater, showing the main unit with connections for the intake pipe, air filter, exhaust pipe, muffler, and the hot air outlet pipe. This visual aid helps in understanding the component placement.

5. OPERATING INSTRUCTIONS

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

5.1 LCD Control Panel



Image Description: A visual representation of the VEVOR diesel air heater's intelligent control panel and its remote control. The control panel displays time and heater status, while the remote has buttons for power, temperature adjustment, and other functions. The image highlights features like a 24-hour timer and 30m/98ft control distance.

- **Power On/Off:** Press the **On/Off** button to start or stop the heater.
- **Temperature Adjustment:** Use the **Raise** and **Lower** buttons to adjust the desired temperature.
- **Settings:** Press the **Setting** button to access various parameters such as fan speed, fuel pump frequency, and timer settings. Use **Raise** and **Lower** to navigate and **Confirm (OK)** to select.
- **Timer Function:** Set a 24-hour timer for automatic turn on and shut off. Refer to the detailed instructions in the full manual for specific timer programming steps.
- **Altitude Mode:** For high-altitude operation (up to 5000 meters), activate the plateau version switch via the settings menu. This adjusts combustion for thinner air.

5.2 Remote Control

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

- **Power On/Off:** Use the dedicated On/Off button on the remote.
- **Temperature/Power Adjustment:** Use the '+' and '-' buttons to increase or decrease the heating power or set temperature.
- Ensure the remote control battery is functional.

6. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your heater.

- **Cleaning:** Periodically clean the exterior of the heater. Ensure air intake and outlet vents are free from dust and debris.
- **Air Filter:** Check and clean the air filter regularly. Replace if heavily soiled or damaged.
- **Fuel System:** Use clean, high-quality diesel fuel. Avoid using contaminated or incorrect fuel types, as this can lead to blockages and damage.
- **Exhaust System:** Inspect the exhaust pipe and muffler for any blockages, damage, or leaks. Ensure it remains securely routed outdoors.
- **General Inspection:** Before each use, visually inspect the heater for any loose connections, damaged wires, or unusual wear.

7. TROUBLESHOOTING

If you encounter issues, refer to the following common troubleshooting steps. For persistent problems, contact customer support.

Problem	Possible Cause	Solution
Heater does not start.	No power, low fuel, clogged fuel line, air in fuel system.	Check power connection. Refill fuel tank. Inspect fuel line for blockages. Prime the fuel pump (refer to full manual).
No heat or insufficient heat.	Incorrect temperature setting, air intake/outlet blocked, low fuel pressure.	Adjust temperature setting. Clear obstructions from vents. Check fuel pump operation.
Excessive smoke or unusual odor.	Poor fuel quality, incorrect combustion settings, exhaust blockage.	Use clean diesel fuel. Check exhaust for blockages. Consult full manual for combustion adjustments.
Error code displayed on LCD.	Specific fault detected by the system.	Refer to the full user manual for a list of error codes and their corresponding solutions.
Remote control not working.	Dead battery, out of range, interference.	Replace remote battery. Move closer to the heater. Reduce potential interference.

8. SPECIFICATIONS

Technical specifications for the VEVOR 8KW Diesel Air Heater.



Image Description: A diagram illustrating the physical dimensions of the VEVOR diesel air heater. It shows the heater's length as 16.3 inches (415 mm), height as 15.7 inches (40 cm), and width as 6.9 inches (17.5 cm).

Feature	Detail
Brand	VEVOR
Model	diesel air heater
Power	8KW (8000W)
Voltage	12V
Fuel Type	Diesel
Item Weight	19.58 pounds
Product Dimensions (L x W x H)	13.8 x 5.9 x 16.1 inches (approx. 35 x 15 x 41 cm)

Feature	Detail
Max Working Height	5000 meters (with plateau version switch)
Remote Control Distance	Up to 50m (164 ft)

9. WARRANTY & SUPPORT

For warranty information, technical support, or service inquiries, please refer to the contact details provided with your purchase documentation or visit the official VEVOR website. Keep your purchase receipt as proof of purchase.