VEVOR 8KW Diesel Heater (CY5002)

VEVOR 8KW Diesel Air Heater

User Manual

1. Introduction

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

2. Safety Instructions

Your safety is paramount. Adhere to all safety warnings and instructions to prevent injury or damage.

- **CO Alarm System:** This heater is equipped with a built-in CO alarm that monitors carbon monoxide levels. An alarm will sound at 300 ppm, and the unit will automatically shut off at 500 ppm. Ensure proper ventilation at all times.
- **Proper Ventilation:** Always ensure adequate ventilation when operating the heater, especially in enclosed spaces. Exhaust fumes must be vented outdoors.
- **Overheat Protection:** The heater features overheat protection, automatically shutting down if internal temperatures exceed 240°C (464°F).
- **Fuel Handling:** Use only diesel fuel. Do not overfill the fuel tank. Ensure the leak-proof fuel cap is securely fastened. Avoid spilling fuel.
- **Placement:** Place the heater on a stable, non-combustible surface. Maintain a safe distance from flammable materials.
- **Electrical Safety:** Ensure the power supply matches the heater's voltage requirements (DC 12-24V). Do not operate with damaged cords or plugs.



Image: Overview of the VEVOR Diesel Heater's safety features, including the CO alarm, fuel tank gauge, exhaust pipe protection sleeve, and leak-proof fuel tank cap, all designed to meet safety certification standards.

3. Product Overview

The VEVOR 8KW Diesel Air Heater is an all-in-one portable heating solution designed for various environments, offering fast and efficient warmth.

3.1 Components

The package includes the following items:



Image: A comprehensive diagram illustrating all components included with the VEVOR 8KW Diesel Air Heater, such as the main unit, exhaust pipe, muffler, remote control, power cables, and various installation accessories.

- 1 x Exhaust Pipe
- 1 x Heat Insulation Sleeve
- 1 x Muffler
- 10 x Intake & Exhaust Pipe Clamps
- 2 x Exhaust Pipe Hanger Screws
- 2 x Exhaust Pipe Hangers
- 1 x Remote Control
- 6 x Base Fixing Screws

- 1 x Air Purifier
- 1 x Adapter
- 1 x DC12V Two-Pin Power Cable
- 1 x User Manual
- 1 x Intake Pipe
- 4 x Air Outlet Pipe
- 4 x Feet
- 4 x Base Fixing Screws
- 1 x CO Module, Extension Cable

3.2 Key Features

- **High Heating Power:** 8KW maximum combustion power for rapid heating.
- **Fuel Efficiency:** Low fuel consumption of 0.18-0.35 L/h, with over 90% combustion efficiency.
- **Quiet Operation:** Designed with a premium muffler and fuel pump, operating at ≤75dB for minimal noise.
- **Smart Control Options:** Control via Bluetooth app, remote control, or the integrated display panel.
- **Wide Compatibility:** Supports DC 12V and 24V power sources, suitable for vehicles, garages, cabins, and outdoor camping.
- **Durable Construction:** Made with a cast aluminum body and ceramic igniter.



Image: The VEVOR 8KW Integrated Diesel Heater highlighting its high-performance configuration, quick ignition in low temperatures, low fuel consumption, four air outlets, and robust die-cast aluminum body.

4. Setup

Follow these steps to set up your VEVOR Diesel Air Heater:

1. **Unpack:** Carefully remove all components from the packaging. Verify all parts listed in Section 3.1 are present.
2. **Placement:** Choose a stable, level surface for the heater. Ensure there is sufficient clearance around the unit for proper airflow and safety.
3. **Exhaust System Installation:** Connect the exhaust pipe and muffler. Ensure the exhaust is vented safely outside to prevent carbon monoxide buildup in enclosed spaces. Use the provided clamps and hangers for

secure installation.

4. **Intake and Air Outlet Pipes:** Attach the intake pipe and the four air outlet pipes as needed for your heating distribution.
5. **Fueling:** Fill the integrated fuel tank with clean diesel fuel. Do not overfill. Securely close the leak-proof fuel cap.
6. **Power Connection:** The heater supports DC 12V and 24V. Use the provided adapter for standard outlets or the DC 12V two-pin power cable for vehicle batteries or outdoor power stations. Ensure the power source is compatible and stable.

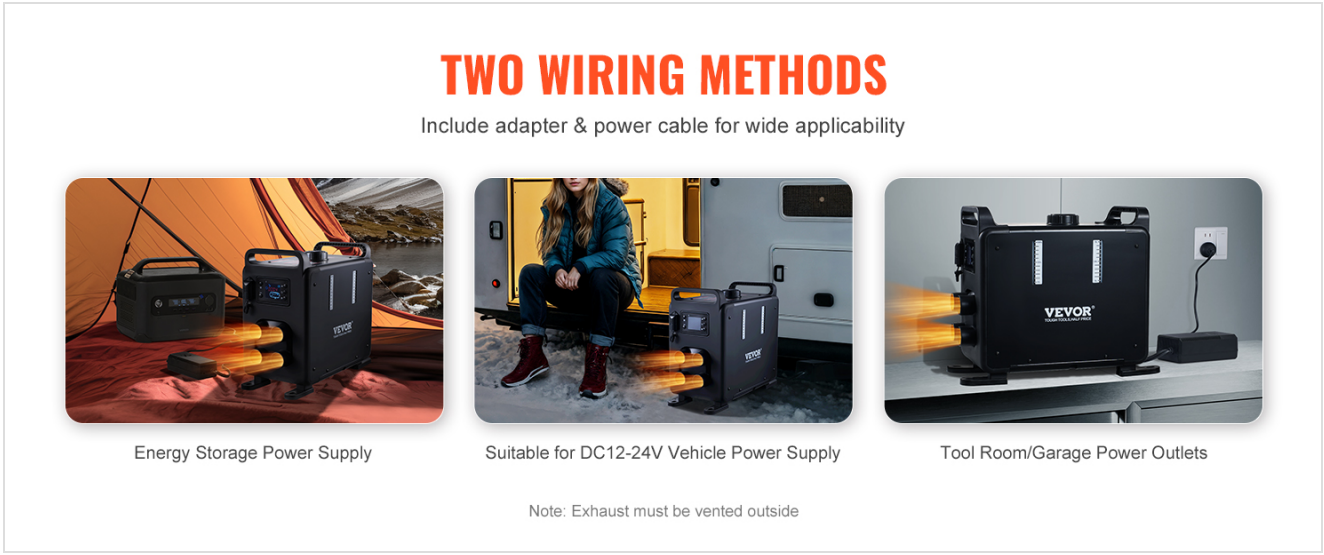


Image: Visual guide demonstrating the two primary wiring methods for the VEVOR Diesel Air Heater: direct connection to an energy storage power supply or vehicle battery, and connection to a standard garage or tool room power outlet via the adapter. Note: Exhaust must be vented outside.

5. Operating Instructions

The VEVOR Diesel Air Heater offers multiple control methods for your convenience:

5.1 Display Panel Control

- **Power On/Off:** Press the power button on the display panel to turn the unit on or off.
- **Temperature Adjustment:** Use the arrow buttons to increase or decrease the desired temperature.
- **Mode Selection:** Navigate through different operating modes (e.g., fan speed, timer) using the menu button.

5.2 Remote Control

- The included remote control allows for convenient operation from a distance (up to 30m / 98ft).
- Functions typically include power on/off, temperature adjustment, and mode selection. Refer to the remote control's specific buttons for detailed functionality.

5.3 Bluetooth APP Control

- **Download App:** Scan the QR code in the user manual or search for the VEVOR heater app on your smartphone's app store.
- **Pairing:** Follow the in-app instructions to pair your smartphone with the heater via Bluetooth.
- **Control:** Once paired, you can control and monitor the heater directly from your smartphone, including adjusting temperature (32°F-104°F / 0°C-40°C, 6-level adjustable), setting timers, preheating, and accessing overheat protection settings.

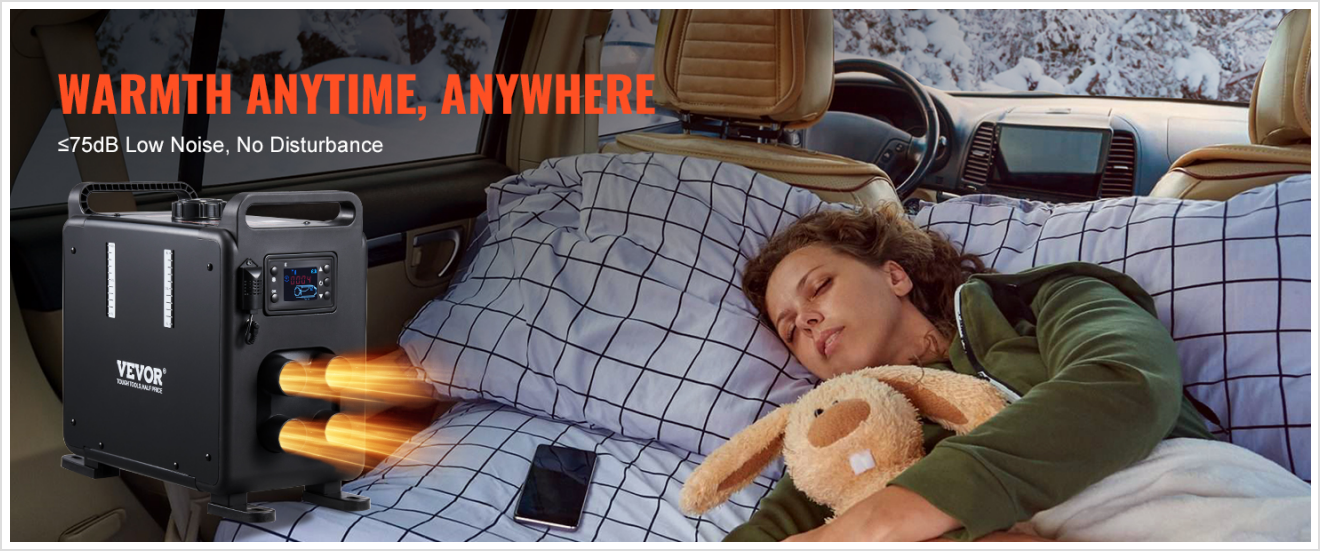


Image: The VEVOR heater app interface on a smartphone, demonstrating various control options such as timer, preheating, overheat protection, voice broadcast, and power switch, allowing users to manage the heater remotely.

6. Maintenance

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

- **Fuel Tank:** Regularly check the fuel level using the integrated fuel tank gauge. Refill as needed with clean diesel fuel. Inspect for any leaks around the fuel cap or tank.
- **Cleaning:** Keep the exterior of the heater clean and free from dust and debris. Ensure air intake and outlet vents are unobstructed.
- **Exhaust System:** Periodically inspect the exhaust pipe and muffler for any blockages, damage, or corrosion. Ensure all connections are secure.
- **Storage:** When storing the heater for extended periods, ensure the fuel tank is empty or filled with fresh fuel and the unit is clean and dry. Store in a cool, dry place.



Image: Top view of the VEVOR 8KW Diesel Air Heater, clearly showing the integrated fuel level indicators on the side, allowing users to easily monitor fuel consumption and remaining capacity.

7. 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, low fuel, clogged fuel line, igniter issue	Check power connection, refill fuel, inspect fuel line for blockages, contact support if igniter fails.
White smoke from exhaust	Incomplete combustion, poor fuel quality, incorrect fuel pump settings	Ensure proper ventilation, use clean diesel, check for air leaks in fuel line, adjust fuel pump if possible (refer to advanced settings).
Unit shuts off unexpectedly	Overheat protection triggered, low fuel, CO alarm activated	Check for obstructions around heater, refill fuel, ensure adequate ventilation. Allow unit to cool before restarting.
Fuel leakage	Loose fuel cap, damaged fuel tank/line, improper assembly	Tighten fuel cap, inspect fuel tank and lines for cracks or loose connections. If damage is present, contact VEVOR support.
No heat output	Fan not working, combustion issue, sensor error	Check fan operation, ensure fuel supply, restart unit. If problem persists, contact VEVOR support.

For issues not listed here or if troubleshooting steps do not resolve the problem, please contact VEVOR customer support.

8. Specifications

Attribute	Value
Brand	VEVOR
Model	8KW Diesel Heater
Item Model Number	CY5002
Power	8KW
Fuel Consumption	0.18-0.35 L/h
Combustion Efficiency	≥90%
Voltage	12V/24V (DC)
Noise Level	≤75dB
Product Dimensions	49.5 x 45.5 x 25.5 cm (19.5 x 17.9 x 10 inches)
Item Weight	8.5 kg (18.7 lbs)
Heated Material	Ceramic
Special Features	Smart Control Options, Fast Heating, Overheat Protection, Quiet operation, CO Alarm
Recommended Uses	Tent, Garage, Camping, Vehicles (RV, Truck, Van)

9. Warranty and Support

For warranty information, product support, or service inquiries, please contact VEVOR customer service directly.
Keep your purchase receipt as proof of purchase for any warranty claims.
Visit the official VEVOR website for the most up-to-date support information and contact details:www.vevor.com

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