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VEVOR XMZ-L-D4

VEVOR Diesel Heater Instruction Manual

Model: XMZ-L-D4
8KW, DC 12V/24V, All-in-One Portable Diesel Air Heater

1. INTRODUCTION

This manual provides detailed instructions for the safe and efficient operation, installation, and maintenance of your VEVOR 8KW Portable Diesel Air Heater. Designed for vehicles, vans, RVs, campers, and trucks, this heater offers fast heating, fuel efficiency, and multiple security features. Please read this manual thoroughly before use to ensure proper function and safety.

2. PRODUCT OVERVIEW AND COMPONENTS

The VEVOR Diesel Heater is an all-in-one unit designed for convenient and effective heating. It features an integrated fuel tank, control panel, and heating elements.



Figure 2.1: Main unit of the VEVOR 8KW Portable Diesel Heater.

2.1 What's in the Box

Upon unpacking, verify that all components listed below are present:

- 1 x Diesel Heater (Main Unit)
- 1 x Intake Pipe
- 1 x Exhaust Pipe
- 1 x Air Outlet Duct
- 1 x Remote Control
- 1 x Silencer with Accessories
- 1 x Air Filter Element

- 2 x Air Outlet Duct Clamps
- 1 x Rotary Air Outlet
- 2 x Insulation Sleeve Clamps
- 2 x Exhaust Pipe Hangers
- 4 x Intake & Exhaust Pipe Clamps
- 4 x Mounting Screws for Base
- 1 x Heat-Insulating Protective Sleeve
- 4 x Pipe Hanger Mounting Screws
- 4 x Nuts
- 1 x User Manual (this document)

15.43 in / 392 mm



16.34 in / 415 mm



6.69 in / 170 mm



1 x Intake Pipe



1 x Exhaust Pipe



1 x Air Outlet Duct



1 x Remote Control



1 x Silencer with Accessories



2 x Air Outlet Duct Clamps



4 x Intake & Exhaust Pipe Clamps



2 x Insulation Sleeve Clamps



2 x Exhaust Pipe Hangers



1 x Air Filter Element



4 x Mounting Screws for Base



1 x Rotary Air Outlet



1 x User Manual



1 x Heat-Insulating Protective Sleeve



4 x Pipe Hanger Mounting Screws



4 x Nuts

Figure 2.2: All components included with the VEVOR Diesel Heater.

3. KEY FEATURES

The VEVOR Diesel Heater is engineered with several features to provide efficient and safe heating:

- **Fast Heating:** Heats spaces of 108–161 ft² rapidly, reaching up to 210°F in 5 minutes and creating a comfortable vehicle interior in 10 minutes. Operates with 12V/24V rated voltage.
- **Fuel Efficient:** Features a quiet, energy-saving fuel pump, burning 0.04–0.1 gal/h with over 90% efficiency. The 1.3 gal fuel tank supports all-night heating without refueling.
- **Security Features:** Includes an exhaust pipe heat sleeve to reduce floor damage risks and a sealed fuel cap for secure long-term use. Built-in protections include overheat shutoff ($\geq 536^{\circ}\text{F}$), reverse polarity, and overvoltage.
- **Dual Control Options:** Adjust temperature (46.4–96.8°F) easily using the LCD screen or the remote control from up to 98 ft away.
- **Wide Compatibility:** Compatible with RVs, trucks, SUVs, vans, tents, and garages. Performs well below 9,842 ft elevation.

Item Model Number: **XMZ-L-D4**

Item Dimensions: **16.34 × 6.69 × 15.43 inch**
415×170×392mm

Accessories:

1 x Intake Pipe	1 x Exhaust Pipe
1 x Air Outlet Duct	1 x Remote Control
1 x Silencer with Accessories	1 x Air Filter Element
2 x Air Outlet Duct Clamps	1 x Rotary Air Outlet
2 x Insulation Sleeve Clamps	1 x User Manual
2 x Exhaust Pipe Hangers	4 x Nuts
4 x Intake & Exhaust Pipe Clamps	
4 x Mounting Screws for Base	
1 x Heat-Insulating Protective Sleeve	
4 x Pipe Hanger Mounting Screws	



Figure 3.1: Key specifications and features of the VEVOR Diesel Heater.



Figure 3.2: The heater provides warmth for outdoor activities like camping.

Instant Warmth in

2 min



Figure 3.3: The heater provides rapid warmth, reaching comfortable temperatures quickly.

1 Gal Diesel for 1 Night



1.3 GAL/5 L

8 hours of use without refueling

8h

use without additional fuel

Ours:

0.04 gal/h ~ 0.1 gal/h

Others:

0.07 gal/h ~ 0.17 gal/h

Note: Fuel consumption and usage time are related to the ambient temperature and setting temperature, the data is for reference only.

Figure 3.4: Fuel efficiency comparison and extended heating duration.

Upgraded Secure Heating

Ours

Others

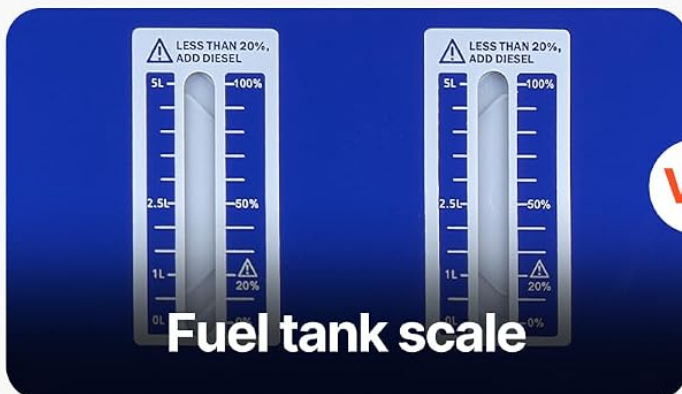


Figure 3.5: Enhanced safety features for secure operation.

Suitable for DC12/24V Vehicle Power Supply



RV



SUV



Truck



Sedan



Bus



Tractor



Boat



Coach



Construction Vehicles

Figure 3.6: Wide range of compatible vehicles and applications.

4. SETUP AND INSTALLATION

Proper installation is crucial for the safe and efficient operation of your diesel heater. Ensure the installation environment is well-

ventilated and stable.

4.1 General Installation Guidelines

1. **Placement:** Position the heater on a stable, flat surface. Ensure adequate clearance around the unit for air intake and exhaust.
2. **Exhaust System:** Connect the exhaust pipe to the heater and route it safely to the exterior of the vehicle or space. Ensure the exhaust is discharged externally to prevent carbon monoxide buildup. Use the provided heat sleeve to protect surrounding surfaces from high temperatures.
3. **Air Intake:** Connect the air intake pipe and ensure it is clear of obstructions.
4. **Power Connection:** Connect the heater to a stable 12V or 24V DC power source, ensuring correct polarity.
5. **Fuel:** Fill the integrated fuel tank with diesel fuel. Do not overfill. The fuel tank scale helps monitor fuel levels.

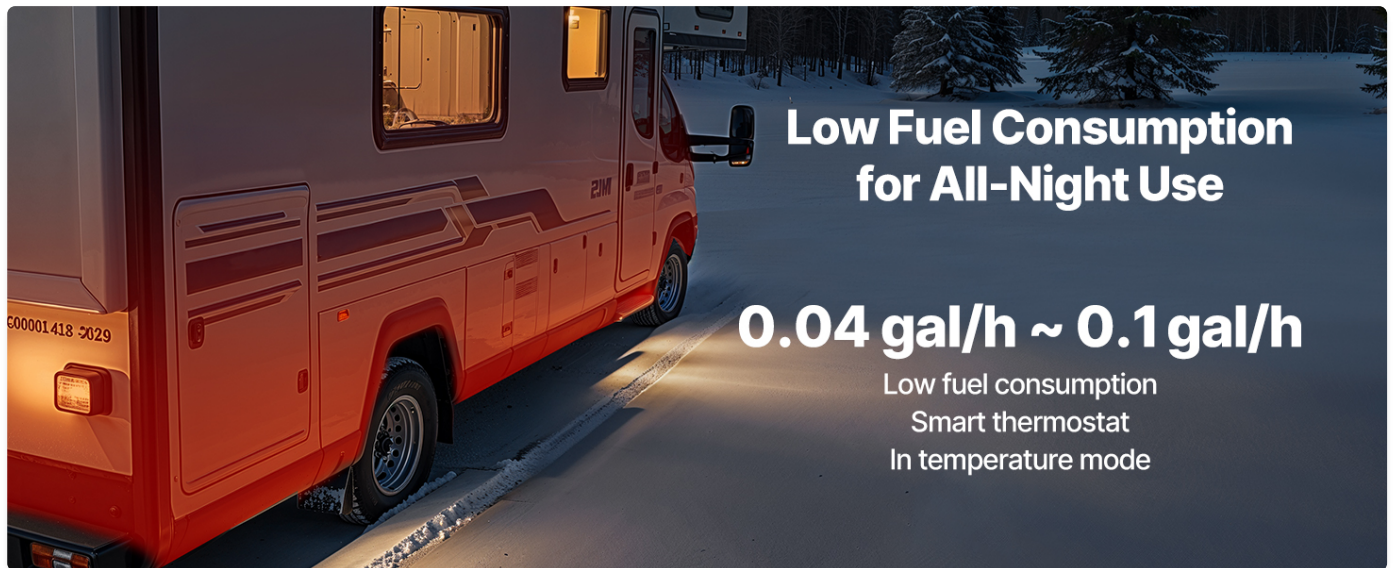


Figure 4.1: Proper installation diagram for security and efficiency.

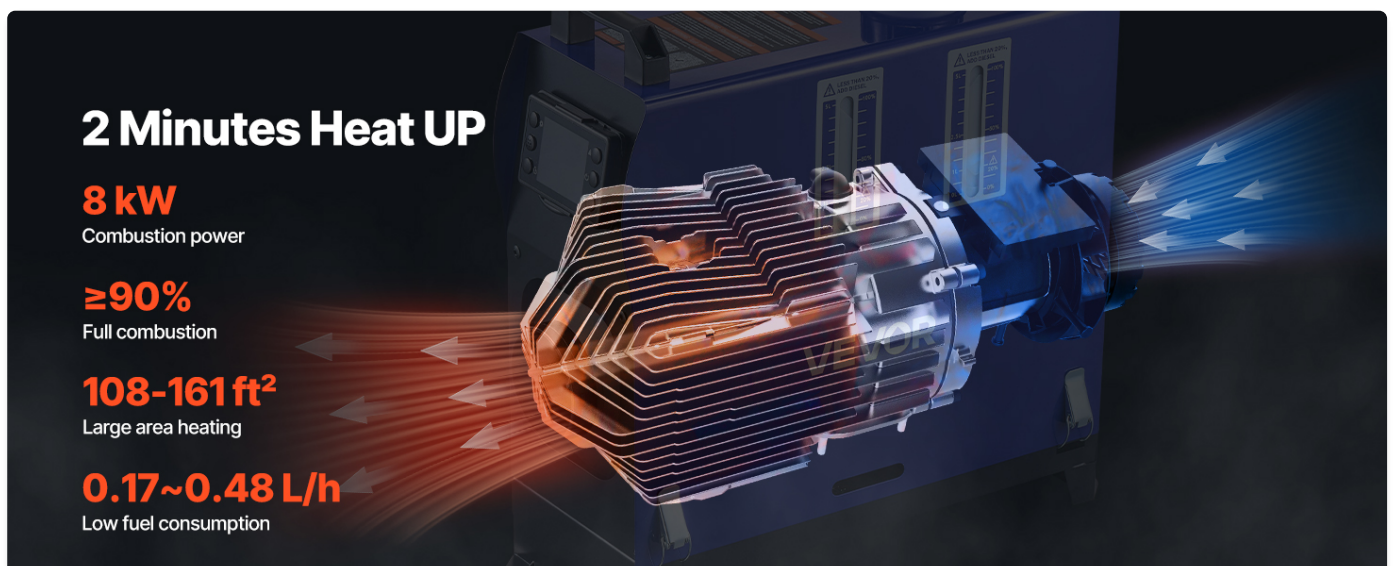


Figure 4.2: Secure exhaust emissions and fuel handling practices.

5. OPERATING INSTRUCTIONS

Your VEVOR Diesel Heater can be controlled via its integrated LCD screen or the included remote control.

5.1 Powering On/Off

- **To Power On:** Press the power button on the LCD screen or the remote control. The heater will initiate its startup sequence.
- **To Power Off:** Press the power button again. The heater will enter a cool-down phase before shutting down completely. Do not disconnect power during the cool-down phase.

5.2 Temperature Adjustment

- Use the up/down arrows on the LCD screen or remote control to adjust the desired temperature between 46.4°F (8°C) and 96.8°F (36°C).
- The LCD screen will display the current settings and operational status.

5.3 Remote Control Usage

The remote control allows for convenient operation from up to 98 feet away. Ensure the remote has working batteries and is pointed towards the heater's receiver.

Long-Distance Control



LCD Display

46°F~97°F
Adjustable temperature

Figure 5.1: Dual control options: LCD display and remote control.

6. MAINTENANCE

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

- **Cleaning:** Periodically wipe down the exterior of the heater with a damp cloth. Do not use abrasive cleaners or solvents.
- **Air Filter:** Check and clean the air filter element regularly. A clogged filter can reduce efficiency. Replace if necessary.
- **Fuel Tank:** Ensure the fuel tank is free of contaminants. If storing the heater for an extended period, it is recommended to drain the fuel tank.
- **Connections:** Periodically inspect all pipe connections and electrical wiring for any signs of wear or looseness.

7. TROUBLESHOOTING

If you encounter issues with your VEVOR Diesel Heater, refer to the following common troubleshooting steps:

- **Heater Not Starting:** Check power connection and ensure the battery voltage is sufficient (12V/24V). Verify there is enough fuel in the tank.
- **Low Heat Output:** Ensure the air intake and exhaust pipes are not blocked. Check the air filter for cleanliness.
- **Unusual Noise:** Ensure the heater is on a stable surface. Check for any loose components or obstructions in the fan.
- **Error Codes on LCD:** Refer to the specific error code in the detailed user manual (PDF) for diagnostic steps. Common issues include temperature sensor abnormalities or oil pump alarms.
- **Remote Control Not Working:** Check the remote control's batteries. Ensure there are no obstructions between the remote and the heater.

For persistent issues or complex problems, please contact VEVOR customer support.

8. SPECIFICATIONS

Detailed technical specifications for the VEVOR Diesel Heater:

Specification	Value
Manufacturer	VEVOR
Brand	VEVOR
Model	Diesel Heater
Item Model Number	XMZ-L-D4
Item Weight	18.08 pounds
Product Dimensions	16.14 x 7.09 x 15.55 inches
Exterior	Polished
Manufacturer Part Number	Diesel Heater8.2
ASIN	B0FJM3GNY7
Date First Available	August 3, 2025



Figure 8.1: Product dimensions of the VEVOR Diesel Heater.

9. WARRANTY AND SUPPORT

For detailed warranty information and customer support, please refer to the official VEVOR website or the full user manual PDF.

Official User Manual (PDF): [Download PDF](#)

If you require further assistance or have questions not covered in this manual, please contact VEVOR customer service through their official channels.

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Model number, symptoms, what you tried, or the section of the manual you are using.

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