VEVOR CY-32

VEVOR 8KW All-in-One Diesel Air Heater User Manual

Model: CY-32

1. Introduction

This manual provides essential instructions for the safe and efficient operation, installation, and maintenance of your VEVOR 8KW All-in-One Diesel Air Heater, Model CY-32. This heater is designed to provide warmth in various vehicles and spaces, including RVs, trucks, campers, vans, and boats, operating on DC 12V-24V power supplies.



Image 1.1: VEVOR 8KW All-in-One Diesel Air Heater with included accessories.

Key Features:

- **Efficient Heating:** 8kW heating capacity, suitable for areas from 161-215 FT². Features a ceramic igniter for quick starts in cold conditions.
- **Enhanced Security:** Includes a heat-insulated exhaust pipe shield to prevent burns and scorching, a leak-proof fuel cap, and a fuel gauge to minimize dry burning risks.
- **Low Fuel Consumption:** Utilizes a precision low-noise fuel pump, consuming approximately 0.18-0.36L/h. Equipped with a 5L (1.3gal) tank and achieves over 90% combustion efficiency.
- **Dual Control Options:** Features a 98ft remote control for convenient preheating and an LCD screen for temperature adjustment between 32-104℉ (0-40℃).
- **Wide Applicability:** Operates effectively at altitudes up to 9843ft, providing consistent warmth in various cold environments.

2. Safety Information

Read all safety warnings and instructions carefully before installation and operation to prevent injury or damage.

- Ensure proper ventilation. The exhaust pipe must always discharge outside the heated space to prevent carbon monoxide poisoning.
- Use only diesel fuel. Using incorrect fuel types can cause damage to the heater and pose a fire hazard.
- Do not operate the heater in enclosed, unventilated spaces.
- Keep flammable materials away from the heater's exhaust and air outlet.
- Ensure the heater is securely mounted to prevent tipping.
- Regularly check fuel lines and connections for leaks.
- Do not modify the heater or its components. Use only original replacement parts.
- Always disconnect power before performing any maintenance or cleaning.



Image 2.1: Proper installation diagram highlighting safety features and exhaust routing.

3. What's in the Box

Carefully unpack the box and ensure all items are present and undamaged. If any items are missing or damaged, contact VEVOR customer service.

- 1 x Intake Pipe
- 1 x Exhaust Pipe
- 1 x Air Outlet Pipe
- 1 x Remote Control
- 1 x Silencer
- 2 x Air Outlet Pipe Clamps
- 4 x Intake/Exhaust Pipe Clamps
- 2 x Exhaust Pipe Lugs
- 1 x Air Purifier
- 4 x Base Mounting Screws
- 4 x Nuts
- 4 x Exhaust Pipe Lug Screws

- 1 x Airflow Direction Rotating Connector
- 1 x User Manual (this document)
- 1 x Heat Insulation Protection Shield



Image 3.1: All components included in the VEVOR 8KW Diesel Air Heater package.

4. Setup and Installation

The VEVOR 8KW All-in-One Diesel Air Heater is designed for relatively straightforward installation. However,

professional installation is recommended for optimal safety and performance, especially when integrating into a vehicle's electrical and fuel systems.

4.1 Site Selection

- Choose a stable, level surface for the heater.
- Ensure adequate clearance around the heater for air intake and exhaust.
- The exhaust outlet must be routed to the exterior of the vehicle/space, away from windows, doors, or air intakes.
- Ensure the power source (DC 12V-24V) is easily accessible and can handle the heater's power requirements.

4.2 Component Assembly

1. **Mounting the Heater:** Secure the heater to the chosen surface using the provided base mounting screws and nuts.
2. **Connecting the Intake Pipe:** Attach the intake pipe to the designated inlet on the heater. Ensure a tight seal using the appropriate clamps.
3. **Connecting the Exhaust System:**
    - Attach the exhaust pipe to the heater's exhaust outlet.
    - Install the heat insulation protection shield over the exhaust pipe to prevent burns.
    - Connect the silencer to the end of the exhaust pipe.
    - Route the exhaust pipe safely to the exterior, ensuring it is clear of any obstructions and heat-sensitive materials. Use exhaust pipe lugs and clamps to secure it.
4. **Connecting the Air Outlet Pipe:** Attach the air outlet pipe to the hot air output port. Use the airflow direction rotating connector if needed to direct the warm air.
5. **Electrical Connection:** Connect the heater to a DC 12V-24V power source. Ensure correct polarity.
6. **Fueling:** Fill the 5L fuel tank with clean diesel fuel. Do not overfill. The fuel gauge will indicate the level.

Important: Before first use, it is recommended to prime the fuel system according to the instructions in the user manual to ensure proper fuel delivery and prevent startup issues.



Image 4.1: Visual guide for secure installation, emphasizing exhaust and intake connections.

5. Operating Instructions

Your VEVOR diesel air heater offers convenient control options for optimal comfort.

5.1 Powering On/Off

- **To Power On:** Press the power button on the LCD control panel or the remote control. The heater will initiate its startup sequence, including pre-heating and fuel pump activation.
- **To Power Off:** Press the power button again. The heater will enter a cool-down phase before completely shutting down. Do not disconnect power during the cool-down phase.

5.2 Using the LCD Control Panel

The digital LCD control panel allows for precise temperature and mode adjustments.

- **Temperature Adjustment:** Use the up/down arrows to set your desired temperature between 32-104°F (0-40°C). The heater will automatically adjust its output to maintain this temperature.
- **Mode Selection:** Navigate through various modes such as timer function, pre-heating, and constant temperature control. Refer to the specific icons on the display for detailed functions.
- **Voice Announcement:** The unit features voice announcements for operational status and warnings.

5.3 Using the Remote Control

The remote control allows you to operate the heater from up to 98 feet away, enabling preheating before entering your vehicle or space.

- **Power On/Off:** Use the designated power button on the remote.
- **Temperature/Mode Control:** The remote typically offers basic temperature adjustment and power control. For advanced settings, use the LCD control panel.

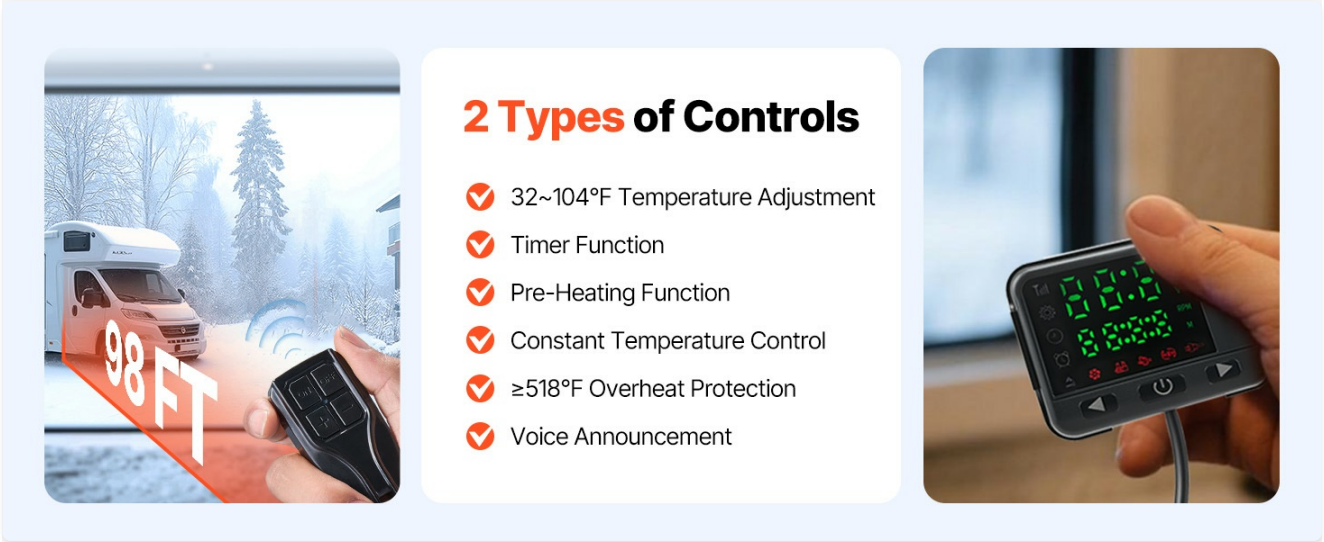


Image 5.1: Dual control options: remote control and LCD display.

6. Maintenance

Regular maintenance ensures the longevity and safe operation of your diesel air heater.

6.1 Fuel Management

- Always use clean, high-quality diesel fuel. Avoid using gasoline or other volatile fuels.
- Monitor the fuel level using the integrated fuel gauge to prevent the heater from running dry, which can cause

damage.

- Refill the tank before it becomes critically low.

6.2 Cleaning

- Periodically inspect the air intake and exhaust pipes for blockages or debris. Clean as necessary.
- Wipe down the exterior of the heater with a damp cloth. Do not use abrasive cleaners or solvents.
- Ensure the air filter is clean and free of dust. Replace if heavily soiled.

6.3 General Inspection

- Check all electrical connections for tightness and signs of wear.
- Inspect fuel lines for cracks, leaks, or damage.
- Ensure all mounting hardware is secure.

7. Troubleshooting

This section addresses common issues you might encounter with your VEVOR diesel air heater. For problems not listed here, contact VEVOR customer service.

Problem	Possible Cause	Solution
Heater does not start	No power supply; Low fuel level; Fuel system not primed; Faulty ignition.	Check power connections and battery voltage; Refill fuel tank; Prime the fuel system; Contact customer service if ignition fails.
Heater produces smoke at startup	Normal during initial startup (briefly); Incorrect fuel; Clogged exhaust.	Allow a few seconds for normal operation; Ensure correct diesel fuel is used; Check exhaust for blockages.
Heater shuts down unexpectedly	Low fuel; Overheat protection activated; Blocked air intake/exhaust.	Check fuel level; Ensure proper ventilation and clear air paths; Allow heater to cool before restarting.
Error code displayed	Specific component malfunction; Sensor error.	Refer to the detailed error code list in the full user manual (if available) or contact VEVOR customer service with the specific code.
Thermostat not maintaining set temperature	Sensor issue; Heater operating in a non-thermostatic mode.	Ensure the heater is set to a thermostatic control mode; Contact customer service if the issue persists.

8. Specifications

Attribute	Value
Brand	VEVOR
Model	CY-32

Attribute	Value
Heating Power	8KW
Operating Voltage	DC 12V-24V
Fuel Type	Diesel
Fuel Tank Capacity	5L (1.3 gal)
Fuel Consumption	0.18-0.36 L/h
Temperature Range	32-104℉ (0-40℃)
Applicable Area	161-215 FT²
Altitude Limit	Under 9843 ft
Net Weight	18.19 lbs (8.25 kg)
Product Dimensions (L x W x H)	16.34 x 7.09 x 16.14 inches (415 x 180 x 410 mm)

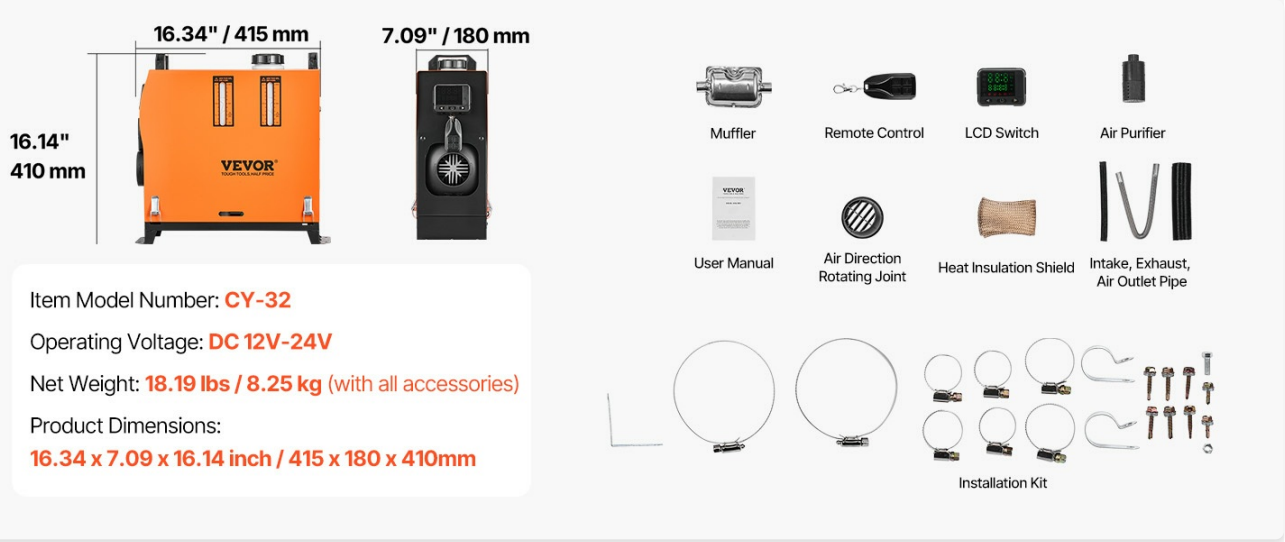


Image 8.1: Product dimensions and accessory overview.

9. Warranty and Support

For warranty information, technical support, or to purchase replacement parts, please contact VEVOR customer service directly. Keep your purchase receipt and product model number (CY-32) handy for faster service.
No official product videos were found with the specified criteria (creator_type: Seller, m3u8 format).

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