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› [VEVOR](#) /

› VEVOR Diesel Air Heater 8KW User Manual

## VEVOR 8KW 12V ALL in ONE

# VEVOR Diesel Air Heater 8KW User Manual

Model: 8KW 12V ALL in ONE

## 1. INTRODUCTION

This manual provides comprehensive instructions for the safe and efficient operation, maintenance, and troubleshooting of your VEVOR 8KW Diesel Air Heater. Please read this manual thoroughly before installation and use to ensure proper function and longevity of the product.



Figure 1: VEVOR 8KW Diesel Air Heater and included accessories.

## 2. SAFETY INSTRUCTIONS

Always adhere to the following safety guidelines to prevent injury or damage to the heater:

- Ensure proper ventilation when operating the heater. The exhaust pipe must be routed outdoors.
- Do not operate the heater in enclosed, unventilated spaces.
- Use only diesel fuel as specified. Do not use gasoline or other volatile fuels.
- Keep flammable materials away from the heater's exhaust and hot surfaces.
- Regularly inspect the fuel lines and electrical connections for leaks or damage.
- Disconnect power before performing any maintenance or cleaning.
- Keep out of reach of children and pets.



Figure 2: Ensure the exhaust pipe is always routed outdoors to prevent carbon monoxide buildup.

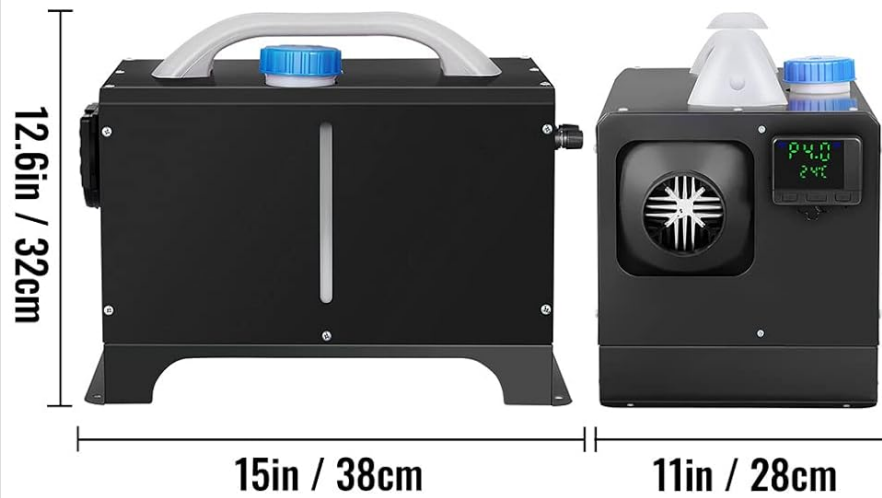
### 3. SETUP AND INSTALLATION

The VEVOR Diesel Air Heater is designed for relatively straightforward installation. Follow these steps for initial setup:

1. **Unpacking:** Carefully remove all components from the packaging. Verify all parts listed in the "What's in the Box" section are present.
2. **Placement:** Position the heater on a stable, flat surface. Ensure adequate clearance around the unit for air intake and exhaust.
3. **Fuel Connection:** Connect the fuel line from the heater to the integrated fuel tank. Ensure all connections are secure and leak-free.
4. **Exhaust System:** Attach the exhaust pipe to the heater's exhaust port and route it safely outdoors, away from windows, doors, and air intakes. Use the provided muffler for noise reduction.
5. **Air Intake/Outlet:** Connect the intake and air outlet pipes. Ensure the air intake is clear of obstructions.
6. **Electrical Connection:** Connect the 12V power supply to the heater. Ensure the voltage matches the heater's requirements.

# WHAT'S IN THE BOX

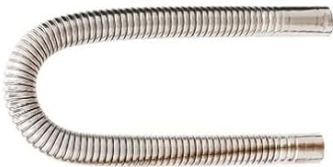
Get rid of hassle installation



User Manual



Muffler



Exhaust Pipe



Intake Pipe & Airoutlet Pipe



Air Filter



Remote Control



Installation Parts

Figure 3: Included components for setup: heater unit, remote control, silencer, wiring harness, air filter, intake & outlet pipes, exhaust pipe, and installation kit.

## 4. OPERATING INSTRUCTIONS

Your VEVOR Diesel Air Heater can be operated via the LCD control panel or the remote control.

### 4.1. Initial Start-up

1. Fill the fuel tank with clean diesel fuel.
2. Ensure all connections are secure and there are no leaks.
3. Press the power button on the LCD panel or remote control to turn on the heater. The unit will perform a self-check.
4. Allow the heater to pre-heat. This may take a few minutes before warm air is consistently produced.


### 4.2. Control Panel Operation

The black LCD control panel allows for direct control of the heater's functions.


- **Power Button:** Press to turn the heater ON/OFF.
- **Up/Down Buttons:** Adjust temperature settings or fan speed.
- **Mode Button:** Cycle through different operating modes (e.g., temperature control, manual fan speed).
- **Timer Function:** Set a timer for automatic power on/off. Refer to the detailed instructions in the user manual for specific timer programming.

# 1 GAL DIESEL FOR 1 NIGHT


## Less diesel, more warmth



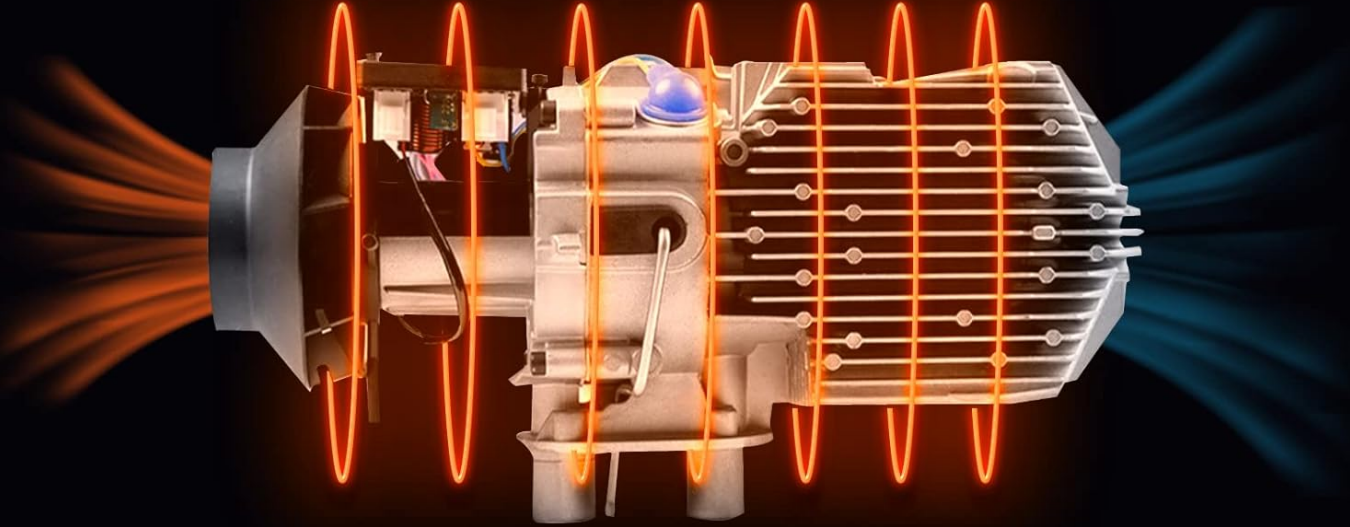
**Energy-saving  
fuel pump**



**Aluminum  
body**



**100%  
combustion**



<b>Ours</b>	<div style="display: flex; align-items: center;"> <span style="margin-right: 10px;">0.1-0.24 (L/H)</span> <div style="width: 80%; height: 10px; background: linear-gradient(to right, orange, white); border: 1px solid orange;"></div> </div>
<b>Other's</b>	<div style="display: flex; align-items: center;"> <span style="margin-right: 10px;">0.3-0.5 (L/H)</span> <div style="width: 80%; height: 10px; background: linear-gradient(to right, grey, white); border: 1px solid grey;"></div> </div>

Figure 4: The LCD panel and remote control provide convenient operation and temperature adjustment.

### 4.3. Remote Control Operation

The remote control offers convenient operation from a distance (up to 98 ft/30 m).

- **Power Button:** Turns the heater ON/OFF.
- **Temperature Adjustment:** Use the arrow buttons to increase or decrease the desired temperature (46°F-95°F / 8°C-35°C).
- **Pairing:** To pair the remote control, long-press the "UP" button on the heater's control panel for 3 seconds until "rte" appears. Then, press the OFF button on the remote control to complete pairing.

## 4.4. Bluetooth APP Control

For enhanced control, the heater can be operated via a smartphone application. This feature is available on "Upgrade - APP Control" models. For "Basic" models, this feature may not be available or require specific firmware/hardware. The provided video demonstrates the Bluetooth connection process for both iPhone and Android devices.

Your browser does not support the video tag.

Video 1: VEVOR Diesel Air Heater Common Operation Tutorial. This video demonstrates how to connect the heater to a smartphone via Bluetooth for app control, including steps for iPhone and Android devices, remote control pairing, language switching, and accessing engineering mode.

### Bluetooth Connection Steps (General):

1. Download the "AirHeaterBLE" application from your device's app store (iOS App Store or Android APK via QR code in the manual).
2. Ensure Bluetooth is enabled on your smartphone.
3. On the heater's control panel, long-press the 'M' button and the 'Power' button simultaneously for 3 seconds to enter Bluetooth mode. A numerical code (e.g., "6789") will appear.
4. Open the "AirHeaterBLE" app on your phone and search for Bluetooth devices. Select the device matching the code displayed on the heater.
5. Once connected, you can control the heater's functions (power, temperature, fan speed) directly from the app.
6. If the Bluetooth password is inconsistent, enter engineering mode (hold up and down keys for 3 seconds) and change the password to match the app's default (usually 1234).

## 5. MAINTENANCE

Regular maintenance ensures optimal performance and extends the lifespan of your heater.

- **Cleaning:** Periodically clean the exterior of the heater with a soft, damp cloth. Do not use abrasive cleaners or solvents.
- **Air Filter:** Inspect and clean the air filter regularly. A clogged filter can reduce efficiency and cause overheating.
- **Fuel System:** Check fuel lines and connections for any signs of wear, cracks, or leaks. Ensure the fuel tank is free of contaminants.
- **Exhaust System:** Verify the exhaust pipe is clear of blockages and securely attached.
- **Storage:** When storing the heater for extended periods, drain the fuel tank and store the unit in a dry, protected area.

## 6. TROUBLESHOOTING

This section addresses common issues you might encounter with your VEVOR Diesel Air Heater.

Problem	Possible Cause	Solution
Heater does not start.	No power, low fuel, clogged fuel line, faulty ignition plug.	Check power connection and voltage. Refill fuel tank. Inspect and clear fuel line. Check/replace ignition plug.
Low heat output.	Clogged air filter, low fuel pressure, incorrect temperature setting.	Clean air filter. Check fuel pump and lines. Adjust temperature setting.

Problem	Possible Cause	Solution
Excessive smoke.	Poor fuel quality, incorrect fuel-air mixture, carbon buildup.	Use clean, high-quality diesel. Consult a technician for fuel-air mixture adjustment or carbon cleaning.
Unusual noise.	Loose components, fan obstruction, fuel pump vibration.	Inspect for loose parts and tighten. Clear any fan obstructions. Fuel pump vibration is normal but excessive noise may indicate an issue.
Bluetooth connection issues.	Bluetooth not enabled, incorrect pairing, app/device incompatibility.	Ensure Bluetooth is on. Re-pair the device following manual instructions. Check app compatibility with your phone model. Disable smart screen recognition on some Samsung phones (as shown in video).

## 7. SPECIFICATIONS

Feature	Detail
Heater Power	8 KW
Fuel Type	Diesel
Rated Voltage	12V
Working Temperature	-104°F to +176°F (-40°C to +80°C)
Fuel Consumption	0.1-0.24 L/H (0.026 - 0.063 Gal/H)
Control Distance (Remote)	98 ft / 30 m
Product Dimensions	15 x 11 x 12.6 inches
Item Weight	21.4 pounds
Model Number	8KW 12V ALL in ONE

## 8. WARRANTY AND SUPPORT

For warranty information, technical support, or service inquiries, please refer to the official VEVOR website or contact their customer support directly. Keep your purchase receipt for warranty claims.

Official VEVOR Store: [Visit the VEVOR Store on Amazon](#)