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maXpeedingrods MXR-3M

maXpeedingrods 12V/24V 8KW Portable Diesel Heater Instruction Manual

1. PRODUCT OVERVIEW

This manual provides comprehensive instructions for the maXpeedingrods 12V/24V 8KW Portable Diesel Heater, model MXR-3M. This device is designed to provide efficient heating for various applications including cars, trucks, boats, and yachts. It features multiple control options, including a Bluetooth application, LCD panel, and remote control.



Image 1.1: The maXpeedingrods 12V/24V 8KW Portable Diesel Heater, showcasing its compact design and integrated handle.

2. SAFETY INFORMATION

- Ensure proper ventilation when operating the heater to prevent carbon monoxide buildup.
- Do not block the air intake or exhaust outlets.
- Keep flammable materials away from the heater during operation.
- Always use the specified fuel type (diesel).
- Disconnect power before performing any maintenance or cleaning.
- Keep out of reach of children and pets.
- Ensure all connections are secure and free from leaks before operation.

3. PACKAGE CONTENTS

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

In Box Accessories



Air heater



LCD Control Panel



User's Manual



Air Filter



Air Outlet Grid



Remote Controller



Exhaust Silencer



Gloves



Installation Kit



Exhaust Pipe



Wire Harness



Hot Air Outlet Tubing



Air Inlet Pipe

Image 3.1: All components included in the maXpeedingrods 8KW Portable Diesel Heater package.

- Air Heater Unit
- LCD Control Panel
- User's Manual
- Air Filter
- Air Outlet Grid
- Remote Controller
- Exhaust Silencer
- Gloves
- Installation Kit (clamps, screws, etc.)
- Exhaust Pipe
- Wire Harness
- Hot Air Outlet Tubing
- Air Inlet Pipe

4. SETUP AND INSTALLATION

The maXpeedingrods portable diesel heater is designed for ease of installation and portability. Follow these steps for initial setup:

- 1. Placement:** Position the heater on a stable, non-flammable surface. Ensure adequate clearance around the unit for air circulation and exhaust.
- 2. Exhaust System:** Connect the exhaust pipe and silencer. Secure all connections with the provided clamps. Ensure the exhaust is directed away from any enclosed spaces or flammable materials. The upgraded exhaust wrap tape can withstand high temperatures and should be used for insulation.
- 3. Air Inlet/Outlet:** Attach the air inlet pipe and hot air outlet tubing. The air outlet grid should be positioned to direct heat effectively.
- 4. Fuel Connection:** Fill the integrated fuel tank with diesel. The upgraded white nylon fuel hose reduces the risk of oil leakage. Monitor the oil usage via the transparent fuel level indicator on the side of the unit.
- 5. Power Supply:** The heater supports 12V/24V power. Connect the wire harness to a suitable power source. The unit also features a tool battery direct-plug power supply system.



Image 4.1: The power source selector switch. Move the switch UP for Battery Mode or DOWN for Binding Post Mode.

For tool battery operation, ensure the battery slot specifications match your 12V-24V lithium battery. A 5Ah battery can provide approximately 2-6 hours of operation when fully charged. Batteries are sold separately.

Automatic Altitude Adjustment

Automatically adjust the operating frequency according to the altitude to make the temperature suitable



Image 4.2: The heater operating wirelessly with a tool battery, demonstrating its portability for outdoor use.

The portable handle allows for easy transport of the unit.

5. OPERATING INSTRUCTIONS

The heater offers multiple methods for control:

5.1. LCD Control Panel

The integrated LCD control panel allows direct management of the heater's functions. Use the buttons to adjust temperature, set timers, and monitor operational status. The 1.5m LCD panel extension cable provides flexible placement options.



Image 5.1: The three primary methods for starting the heater: LCD Panel, Smartphone App, and Remote Controller.

5.2. Bluetooth App Control

Download the 'Booyood' application to your smartphone to control the heater remotely via Bluetooth. The app allows you to turn the heater on/off, adjust temperature, and monitor its status from up to 80 meters away.

Heating Gets Smarter

Heating Gets Smart Connect via Bluetooth®,
easy remote operationDownload App



Downloads App



Image 5.2: Controlling the heater via the Bluetooth smartphone application, showing temperature and status.



Image 5.3: Icons representing the app's functions: Control at Distance, ON/OFF, Adjust Temperature, and Switch Mode.

5.3. Remote Controller

Use the included remote controller to preheat or defrost your vehicle from a distance. This provides convenience, especially in cold conditions.

5.4. 24-Hour Timer Function

The heater includes a 24-hour timer function, allowing you to schedule the heater to turn on in advance or turn off with a delay.

Great Heat Output

Up to 27,000 BTU, meet most heating requirements for different space size



Motorhome



Caravan



Campervan



Boat



Bus



Pickup Truck



Outdoor Camping



Truck



Image 5.4: Illustration of the 24-hour timer function, enabling scheduled operation.

5.5. Automatic Altitude Adjustment

The heater automatically adjusts its operating frequency based on the altitude to maintain optimal performance and temperature output, up to 5000m (16404ft).

Support Wireless Start-Up

Move and Use More conveniently Outdoors



Note: Battery needs bought separately, A 5Ah battery can be used for about 2-6 hours when fully charged

Image 5.5: Diagram illustrating the heater's automatic altitude adjustment capability, ensuring consistent performance at varying elevations.

6. MAINTENANCE

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

- **Cleaning:** Periodically clean the exterior of the heater with a damp cloth. Ensure the air intake and exhaust ports are free from obstructions.
- **Air Filter:** Check and clean the air filter regularly. Replace if heavily soiled or damaged.
- **Fuel System:** Inspect the fuel hose and connections for any signs of wear or leakage. Ensure the fuel tank is free from contaminants.
- **Electrical Connections:** Verify that all electrical connections are secure and free from corrosion. The upgraded plug design helps reduce the risk of electrical leakage.



Image 6.1: The transparent fuel level indicator on the side of the heater for monitoring diesel usage.

7. TROUBLESHOOTING

If you encounter issues with your heater, refer to the following common troubleshooting tips:

- **Heater Not Starting:**

- Check power connections and ensure the power source is adequate (12V/24V).
- If using a tool battery, ensure it has sufficient capacity. A 5Ah battery may run for 2-6 hours, but higher capacity batteries may be needed for extended use or higher power draw.
- Verify the fuel tank has enough diesel.
- Ensure the power source selector switch is in the correct position (Battery Mode or Binding Post Mode).

- **Insufficient Heat Output:**

- Check for blockages in the air intake or exhaust system.
- Ensure the air filter is clean.
- Verify the temperature setting on the control panel or app.

- **Unusual Noises or Odors:**

- Immediately turn off the heater.
- Inspect for loose components or fuel leaks.
- Ensure proper ventilation.

- **Remote Control/App Not Responding:**

- Check battery in the remote control.
- Ensure Bluetooth is enabled on your smartphone and the heater.
- Confirm you are within the 80m Bluetooth range.

For persistent issues, contact maXpeedingrods customer service.

8. SPECIFICATIONS

Feature	Specification
Brand	maXpeedingrods
Model	MXR-3M

Feature	Specification
Item Model Number	MXR-3M
Manufacturer Part Number	ED95SG
Power Output	8KW
Voltage	12V/24V
Item Weight	23.1 pounds
Product Dimensions	18.5 x 12.2 x 14.57 inches
Control Methods	Bluetooth App, LCD Panel, Remote Control
Altitude Adjustment	Automatic, up to 5000m (16404ft)
Certifications	E-mark, FCC, CE



Image 8.1: Detailed dimensions of the heater unit and included tubing.

9. WARRANTY AND SUPPORT

The maXpeedingrods 12V/24V 8KW Portable Diesel Heater is E-mark, FCC, and CE certified, ensuring compliance with relevant standards. maXpeedingrods provides a complete and detailed manual, installation instructions, and offers free technical support and customer service.

For any inquiries or support, please refer to the contact information provided with your purchase or visit the official maXpeedingrods website.