



Manuals.plus /

- › Aufun /
- › Aufun 8KW 12V Diesel Air Heater User Manual HAG4179A

Aufun HAG4179A

Aufun 8KW 12V Diesel Air Heater User Manual

Model: HAG4179A

1. INTRODUCTION

This manual provides essential information for the safe and efficient operation, installation, and maintenance of your Aufun 8KW 12V Diesel Air Heater. Please read this manual thoroughly before installation and use to ensure proper function and to prevent damage or injury. This heater is designed to provide auxiliary heating for various vehicles including trucks, vans, RVs, boats, and motorhomes.

3. PACKAGE CONTENTS

Verify that all items listed below are included in your package. If any parts are missing or damaged, contact customer support.

<h1>Zubehör-Liste</h1>			
	Drehbare Entlüftung X1		Auspuffrohr X1
	Auspufftopf X1		Luftfilter X1
	Luftauslassrohr X1		Fernsteuerung X1
	Induktionsrohr X1	 <p style="text-align: center;">Einbausatz</p>	
	Handbuch X1		

Image 3.1: A visual representation of the complete accessory list, including the exhaust pipe, air filter, remote control, and various mounting hardware.

Item	Quantity
Heater Unit	1
LCD Switch	1
Remote Control	1
Muffler (Silencer)	1
Exhaust Pipe	1
Air Filter	1
Air Outlet Pipe	1
Induction Pipe	1
Mounting Accessories (Clamps, Screws, Brackets)	Set
User Manual	1

4. SPECIFICATIONS

Key technical specifications for the Aufun 8KW Diesel Air Heater:

Feature	Specification
Rated Power	8KW
Rated Voltage	12V
Fuel Type	Diesel
Fuel Tank Capacity	5L
Operating Temperature	-40°C to +50°C (-40°F to +122°F)
Fuel Consumption	0.18 - 0.48 L/h
Product Dimensions	Approximately 42 x 41 x 15.5 cm (16.5 x 16.1 x 6.1 inches)
Weight	8.3 kg (18.3 lbs)
Remote Control Range	10-20 meters
Overheat Protection	240°C
Model Number	HAG4179A



Image 4.1: Detailed dimensions of the heater unit, indicating its height, width, and depth for installation planning.

5. SETUP AND INSTALLATION

Proper installation is crucial for the safe and efficient operation of the heater. It is recommended to have the installation performed by a qualified technician if you are not familiar with vehicle electrical and exhaust systems.

5.1 General Placement Guidelines

- Choose a dry, stable, and well-ventilated location away from flammable materials.
- Ensure sufficient clearance around the heater for air circulation and maintenance.
- The exhaust pipe must be routed safely outside the vehicle, away from windows, doors, and fuel lines, and secured to prevent vibration damage.
- The air intake should be positioned to draw in clean, fresh air.

5.2 Installation Steps (Overview)

1. **Mount the Heater:** Securely attach the heater unit to a stable surface using the provided mounting brackets and hardware.
2. **Connect Exhaust System:** Attach the exhaust pipe and muffler. Ensure all connections are tight and sealed to prevent exhaust fumes from entering the vehicle cabin.
3. **Connect Air Intake and Outlet:** Install the air intake pipe and the hot air outlet pipe. Ensure they are clear of obstructions.
4. **Fuel Line Connection:** Connect the fuel line from the vehicle's diesel tank (or an auxiliary tank) to the heater's fuel pump, then to the heater. Ensure no leaks.
5. **Electrical Connection:** Connect the heater to a 12V power source, ensuring proper polarity. Install the LCD switch in an accessible location.
6. **Initial Start-up:** After installation, perform a test run. The heater may require several attempts to prime the fuel system.



Image 5.1: Examples of vehicles where the Aufun diesel air heater can be installed, such as RVs, trucks, cars, and boats.

6. OPERATING INSTRUCTIONS

The heater can be controlled via the integrated LCD panel or the included remote control.

6.1 LCD Control Panel

- **Power On/Off:** Press and hold the power button to turn the heater on or off.
- **Temperature Adjustment:** Use the up/down arrows to set the desired temperature. The heater will automatically adjust its output to maintain this temperature.
- **Mode Selection:** Cycle through different operating modes (e.g., fan only, heating) if available.
- **Display Information:** The LCD shows current temperature, set temperature, fan speed, and error codes.

6.2 Remote Control

The remote control allows for convenient operation from a distance (up to 10-20 meters).

- **Power Button:** Turns the heater on or off.

- **Temperature +/-:** Adjusts the target temperature.
- **OK Button:** Confirms selections or enters settings menus.



Image 6.1: The heater's LCD control panel and remote control, demonstrating how users can adjust settings and monitor operation.



Geräuschlos



Schnelle Erwärmung, Sicher Und Leise, Keine Beeinträchtigung Des Schlafs

Image 6.2: Illustration of the heater's quiet operation, showing a person sleeping undisturbed in a heated vehicle.



Image 6.3: The heater providing warmth inside a vehicle, allowing comfortable activities like working on a laptop.

7. MAINTENANCE

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

- **Monthly Checks:**

- Inspect the exhaust pipe for any damage, cracks, or loose connections.
- Check the air intake and outlet for blockages.
- Verify fuel line integrity and check for leaks.

- **Annual Servicing:**

- Clean the air filter. Replace if heavily soiled or damaged.
- Inspect the glow plug and burner for carbon buildup. Clean or replace as necessary.
- Check all electrical connections for corrosion or looseness.
- Ensure the fuel pump is functioning correctly.

- **Storage:** If storing the heater for an extended period, ensure the fuel tank is empty or filled with fresh diesel and the system is clean.

8. TROUBLESHOOTING

This section addresses common issues you might encounter with your diesel air heater.

Problem	Possible Cause	Solution
Heater does not start	No power, low battery voltage, no fuel, clogged fuel filter, glow plug issue.	Check 12V power supply and battery. Ensure fuel tank has diesel. Inspect fuel filter and lines. Check glow plug connection.
Heater starts but shuts down quickly	Overheat protection triggered, insufficient fuel, exhaust blockage, faulty flame sensor.	Check for obstructions in air intake/outlet. Ensure proper ventilation. Verify fuel supply. Consult a technician for sensor issues.
Weak or no heat output	Low fan speed, air blockage, dirty burner, incorrect temperature setting.	Increase fan speed. Clear air vents. Clean burner. Adjust temperature setting.
Excessive smoke or unusual odor	Incomplete combustion, fuel quality issue, exhaust leak, dirty burner.	Use high-quality diesel. Check exhaust system for leaks. Clean the burner. If problem persists, discontinue use and seek professional help.
Remote control not working	Dead batteries, out of range, interference.	Replace remote control batteries. Move closer to the heater. Reduce potential interference.

9. WARRANTY AND SUPPORT

Afun products are designed for reliability and performance. For specific warranty details, please refer to the documentation included with your purchase or contact Afun customer support directly. Keep your proof of purchase for warranty claims.

If you encounter any issues not covered in this manual or require further assistance, please contact our customer support team. Provide your model number (HAG4179A) and a detailed description of the problem for faster service.

For support, please visit the official Afun website or contact your retailer.