

Fiqops M-RB7150-1c

Fiqops 8 kW 12V Diesel Auxiliary Heater User Manual

MODEL: M-RB7150-1c

1. Important Safety Instructions

Please read and understand all safety instructions before installing or operating this diesel auxiliary heater. Failure to follow these instructions may result in property damage, personal injury, or death.

- **Flammable Environments:** Do not operate the heater in areas where flammable vapors, gases, or dust are present. This includes fuel stations, chemical storage areas, or any environment with a risk of explosion.
- **Power Disconnection:** Never disconnect the power supply to the heater while it is in operation. Always follow the proper shutdown procedure outlined in this manual to prevent damage to the unit.
- **Installation and Operation:** Ensure that all installation and operation steps are strictly followed as described in this manual. Incorrect installation or usage can lead to malfunctions and safety hazards.
- **Ventilation:** Ensure adequate ventilation during operation to prevent carbon monoxide buildup. Never operate the heater in an enclosed, unventilated space.
- **Fuel Type:** Use only diesel fuel as specified for this heater. Using incorrect fuel can damage the unit and create a fire hazard.
- **Children and Pets:** Keep children and pets away from the heater during operation, as surfaces can become hot.

2. Product Overview

The Fiqops 8 kW 12V Diesel Auxiliary Heater is designed to provide efficient and rapid heating for various diesel vehicles, including trucks, vans, RVs, campers, and boats. It features a compact design, low noise operation, and user-friendly controls.

Verpackung



Image: Detailed view of all included components.

- 1 x Diesel Air Heater Unit
- 1 x Muffler
- 1 x LCD Screen
- 1 x Remote Control
- 1 x Accessories Bag (including mounting plate, oil collector, oil pump, diesel filter, air filter, T-piece, wiring harness, clamps, air outlet pipe, oil pump sleeve, adhesive tape, inlet pipe, exhaust pipe, oil connection pipe, small fittings, 2x air outlets, oil line)
- 1 x User Manual

3. Setup and Installation

The Figops diesel auxiliary heater is designed for straightforward installation due to its integrated components. The fuel tank, heater, and fuel pump are pre-assembled. However, proper connection of all accessories is crucial for safe and efficient operation.

General Installation Steps:

1. **Choose a Location:** Select a suitable, secure, and well-ventilated location for the heater unit within

- your vehicle. Ensure it is away from flammable materials and allows for proper exhaust and air intake routing.
2. **Mount the Heater:** Use the provided mounting plate and hardware to securely fasten the heater unit.
 3. **Fuel System Connection:** Connect the fuel line from the fuel tank to the fuel pump, and then from the fuel pump to the heater unit. Ensure all connections are tight and leak-free. Install the diesel filter in the fuel line.
 4. **Air Intake and Exhaust:** Attach the air intake pipe and exhaust pipe to their respective ports on the heater. Route the exhaust pipe safely away from the vehicle's interior and any sensitive components. Install the muffler on the exhaust pipe.
 5. **Air Ducting:** Connect the air outlet pipes and any necessary T-pieces to direct the heated air to the desired areas within the cabin.
 6. **Electrical Connections:** Connect the wiring harness according to the wiring diagram provided in the detailed user manual. Ensure correct polarity and secure connections to the 12V power source.
 7. **LCD Screen and Remote Receiver:** Connect the LCD control panel and remote receiver to the main unit via the wiring harness.
 8. **Initial Fuel Prime:** Before first use, prime the fuel system as per the detailed manual to ensure fuel reaches the heater.

For detailed diagrams and specific wiring instructions, refer to the comprehensive user manual included in your package.

4. Operating Instructions

The Figops diesel heater can be controlled via the integrated LCD screen or the provided remote control.

Weniger Diesel verbrauchen, mehr Wohlfühlwärme genießen



Energiesparend



Hochwertiges
Metallgehäuse



100%ige Verbrennung



Kraftstoffverbrauch
unserer Produkte: **0,12-0,24 (L/H)**

Andere: **0,3-0,6 (L/H)**

Image: Diesel heater with remote control and LCD screen for operation.

Using the 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., constant heat, timed operation) using the mode button.
- **Timer Function:** Set a timer for automatic startup or shutdown.
- **Display Information:** The LCD screen displays current temperature, operating mode, and diagnostic codes if any issues arise.

Using the Remote Control:

- The remote control allows you to power the heater on/off and adjust the temperature from a distance, providing convenience, especially on cold mornings.
- Ensure the remote control has fresh batteries and is within range of the heater's receiver.
- Refer to the detailed manual for specific button functions and pairing instructions for the remote control.

Startup Procedure:

1. Ensure the fuel tank is adequately filled with diesel.
2. Verify all connections (fuel, electrical, air intake/exhaust) are secure.
3. Press the power button on the LCD panel or remote control. The heater will initiate its startup sequence, which includes pre-heating the glow plug and fuel pump activation.
4. Once ignited, the heater will begin to produce warm air. Adjust the temperature as desired.

Shutdown Procedure:

1. Press the power button on the LCD panel or remote control to turn off the heater.
2. The heater will enter a cool-down cycle to prevent overheating and ensure longevity of components. Do not disconnect power during this cycle.
3. Once the cool-down cycle is complete, the heater will fully shut down.

5. Maintenance

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

- **Cleaning:** Periodically clean the exterior of the heater and ensure air intake and exhaust ports are free from obstructions.
- **Fuel Filter:** Inspect and replace the diesel fuel filter as recommended in the detailed manual or if you notice reduced fuel flow or performance issues.
- **Electrical Connections:** Check all electrical connections for tightness and signs of corrosion.
- **Exhaust System:** Inspect the exhaust pipe and muffler for any damage or blockages.
- **Glow Plug:** The ceramic glow plug is a wear item. If the heater has difficulty starting, it may need inspection or replacement by a qualified technician.

6. Troubleshooting

If you encounter issues with your heater, refer to the following common troubleshooting steps. For complex problems, consult a qualified technician.

Problem	Possible Cause	Solution
Heater does not start	No fuel, low battery voltage, faulty glow plug, blocked fuel line, electrical connection issue.	Check fuel level, verify 12V power supply, inspect electrical connections, check for fuel line blockages.
Low heat output	Blocked air intake/exhaust, dirty fuel filter, incorrect temperature setting.	Clear obstructions, replace fuel filter, adjust temperature setting.
Excessive smoke	Poor combustion, incorrect fuel, faulty fuel pump.	Ensure correct fuel, check fuel pump operation, consult technician.
Remote control not working	Dead batteries, out of range, not paired.	Replace batteries, move closer to heater, refer to manual for pairing instructions.

The LCD screen may display error codes. Refer to the detailed user manual for a list of error codes and their corresponding solutions.

7. Specifications

Parameter	Value
Heating Power	8 kW
Rated Voltage	12 V
Fuel Type	Diesel
Heater Working Temperature	-40 °C to +50 °C (-40 °F to +122 °F)
Oil Pump Working Temperature	-40 °C to +40 °C (-40 °F to +104 °F)
Product Dimensions (Split Type)	Approx. 38 x 14.5 x 14.5 cm (14.96 x 5.71 x 5.71 inches)
Fuel Consumption	0.1 - 0.35 L/H
Item Weight	7 Kilograms
Model Number	M-RB7150-1c

8. Warranty and Support

For warranty information, please refer to the documentation included with your product at the time of purchase. Typically, manufacturers provide a limited warranty against defects in materials and workmanship.

If you require technical support, have questions about installation, or need assistance with troubleshooting beyond what is covered in this manual, please contact Fiqops customer service through their official website or the retailer from whom you purchased the product. Please have your model number (M-RB7150-1c) and purchase details ready when contacting support.