

CHIPEL 8KW

CHIPEL 8KW 12V Diesel Air Parking Heater

Instruction Manual

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1. INTRODUCTION

This manual provides essential information for the safe and efficient operation of your CHIPEL 8KW 12V Diesel Air Parking Heater. Please read all instructions carefully before installation and use to ensure proper function and to prevent injury or damage. This heater is designed to provide warmth in various mechanical vehicles and indoor spaces.

Safety Information

- Ensure proper ventilation when operating the heater.
- Do not block air intake or exhaust outlets.
- Use only diesel fuel as specified.
- Professional installation is recommended to ensure safety and optimal performance.
- Keep flammable materials away from the heater.
- Regularly inspect the heater for any signs of damage or malfunction.

2. PRODUCT OVERVIEW

The CHIPEL 8KW 12V Diesel Air Parking Heater is designed to provide efficient heating for various applications. It features an LCD switch and remote control for convenient operation, a silencer for reduced noise, and a 10L fuel tank for extended use.

Key Features:

- **Rapid Heating:** Quickly warms up spaces, preheating engine coolant to reduce wear in cold conditions.
- **Versatile Application:** Suitable for 12V vehicles such as trucks, boats, cars, RVs, trailers, motorhomes, caravans, campers, and also for indoor use in homes, warehouses, and offices.
- **LCD Display:** Provides clear information on running status, allowing adjustment of fuel, electricity, and temperature settings.

- **Low Noise Operation:** Features a silent fan and an improved low-frequency pulse oil pump for quiet operation.
- **Convenient Use:** Aids in quick defrosting and rapid interior warming, suitable for high altitudes up to 4500 meters.

Internal Components:

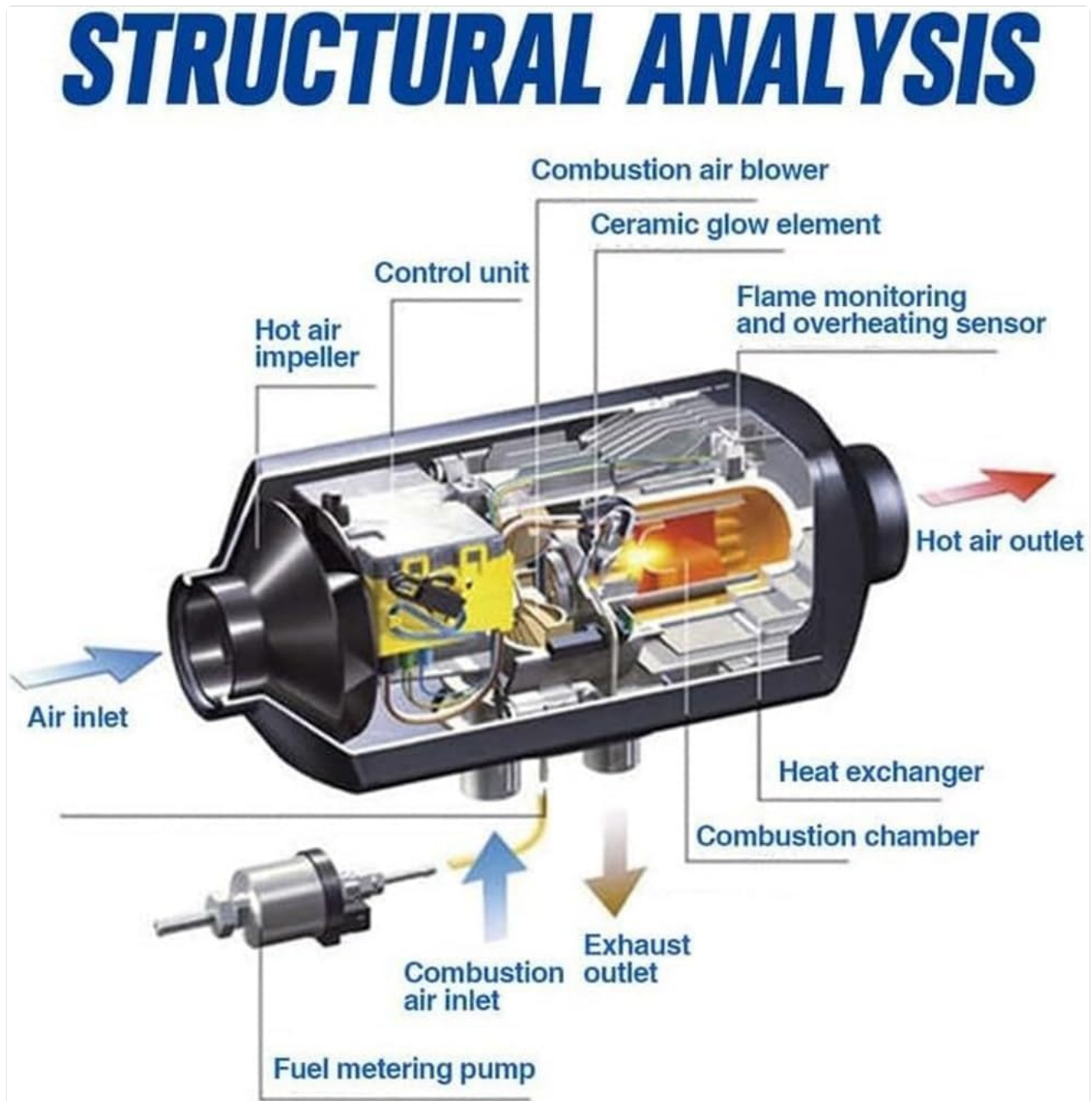


Figure 2.1: Internal structure of the CHIPEL Diesel Air Parking Heater. Key components include the combustion air blower, ceramic glow element, control unit, hot air impeller, flame monitoring and overheating sensor, heat exchanger, and combustion chamber. Air enters through the air inlet and combustion air inlet, and hot air exits through the hot air outlet, while exhaust exits through the exhaust outlet.

3. SETUP & INSTALLATION

Proper installation is crucial for the safe and efficient operation of your diesel heater. It is highly recommended that installation be performed by a qualified professional.

Included Components:



Figure 3.1: All components included in the packing list for the CHIPEL Diesel Air Parking Heater. This includes the main heater unit, 10L fuel tank, various pipes, wiring, remote control, LCD screen, filters, pump, silencer, and installation hardware.

- 1 x Diesel heater unit
- 1 x 10L oil tank
- 1 x Outlet tube
- 1 x Intake pipe
- 1 x Exhaust pipe
- 1 x Wiring harness
- 1 x Tube (additional)
- 1 x Remote control
- 1 x LCD screen
- 1 x Air filter
- 1 x Oil pump
- 1 x Oil filter
- 1 x Silencer
- 1 x Gloves

- 1 x Air outlet adapter
- 1 x Hole opener
- Various fasteners and clamps

Initial Setup Steps:

1. **Fuel System Preparation:** Before initial operation, ensure the oil line is completely filled with diesel fuel. This prevents air pockets that can cause the machine to jam.
2. **Initial Start-up:** The heater is tested with diesel fuel at the factory, so a small amount of oil may remain. After installation, turn on the heater several times to completely eliminate any residual air and diesel from the system.
3. **Mounting:** Securely mount the heater unit in a suitable location, ensuring adequate clearance for air intake, exhaust, and maintenance.
4. **Connect Fuel Tank:** Connect the 10L fuel tank to the oil pump and then to the heater unit, ensuring all connections are tight and leak-free.
5. **Electrical Connections:** Connect the wiring harness to the 12V power source and the heater unit according to the wiring diagram (refer to the separate wiring diagram provided with your product).
6. **Exhaust and Intake:** Install the exhaust pipe and intake pipe, ensuring they are routed safely and away from flammable materials or passenger compartments. Install the silencer on the exhaust pipe.
7. **Air Outlet:** Connect the air outlet tube and adapter to direct the heated air as desired.

Note: Always refer to the detailed installation diagrams and instructions provided in the full product manual for specific vehicle or application requirements.

4. OPERATING INSTRUCTIONS

Your CHIPEL Diesel Air Parking Heater can be operated using the LCD switch or the remote control.

Using the LCD Switch:

1. **Power On/Off:** Press and hold the power button on the LCD panel to turn the heater on or off.
2. **Temperature Adjustment:** Use the up/down arrows to set your desired temperature. The LCD display will show the current settings.
3. **Mode Selection:** Navigate through different modes (e.g., fan speed, fuel pump frequency) using the menu button.
4. **Monitoring:** The LCD display provides real-time information on fuel consumption, power status, and temperature.

Using the Remote Control:

50FT/15M LONG-DISTANCE CONTROL



Figure 4.1: Operating the CHIPEL Diesel Air Parking Heater with the remote control. The remote allows for long-distance control up to 98 feet (30 meters), enabling convenient power on/off and temperature adjustments from a distance.

- **Power On/Off:** Use the designated power button on the remote control to activate or deactivate the heater.
- **Temperature/Setting Adjustment:** The remote allows for basic adjustments of temperature and other settings from a distance of up to 98 feet (30 meters).
- **Pairing:** If the remote control is not responding, refer to the full manual for instructions on how to pair it with the heater unit.

Important: Always ensure the heater has a sufficient fuel supply before operation. Do not operate the heater in enclosed, unventilated spaces.

5. MAINTENANCE

Regular maintenance ensures the longevity and efficient performance of your CHIPEL Diesel Air Parking Heater. Always disconnect power before performing any maintenance.

- **Fuel Filter:** Check and replace the fuel filter periodically (e.g., every 3-6 months or as needed) to ensure clean fuel delivery and prevent blockages.
- **Air Filter:** Inspect the air filter for dust and debris. Clean or replace it to maintain proper airflow and combustion efficiency.
- **Exhaust System:** Check the exhaust pipe and silencer for any blockages, leaks, or damage. Ensure exhaust gases are safely vented away from the vehicle or living space.
- **Electrical Connections:** Periodically inspect all wiring and electrical connections for tightness and signs of corrosion or damage.
- **General Cleaning:** Keep the exterior of the heater clean. Do not use abrasive cleaners or solvents.
- **Fuel Tank:** Ensure the fuel tank is clean and free of contaminants.

For detailed maintenance schedules and procedures, refer to the comprehensive manual provided with your product.

6. TROUBLESHOOTING

If you encounter issues with your CHIPEL Diesel Air Parking Heater, consult the following common troubleshooting steps. For complex problems, contact customer support or a qualified technician.

Problem	Possible Cause	Solution
Heater does not start	No fuel, low battery voltage, air in fuel line, faulty glow plug, electrical connection issue.	Check fuel level. Ensure 12V power supply is adequate. Bleed air from fuel line (refer to setup). Check electrical connections.
Low heat output	Clogged air filter, restricted air intake/exhaust, incorrect temperature setting, low fuel quality.	Clean or replace air filter. Ensure intake/exhaust are clear. Adjust temperature setting. Use high-quality diesel fuel.
Excessive smoke	Poor combustion, incorrect fuel-air mixture, faulty fuel pump, carbon buildup.	Check fuel quality. Inspect fuel pump. Professional inspection for carbon buildup.
Unusual noise	Loose components, fan obstruction, faulty bearings in fan or pump.	Inspect for loose parts. Clear any obstructions. If noise persists, professional service may be required.
Remote control not working	Dead batteries, out of range, not paired.	Replace remote batteries. Move closer to the heater. Repair remote control (refer to manual).

7. SPECIFICATIONS

Feature	Detail
Heater Power	8KW (Kilowatts)
Rated Voltage	12V
Fuel Type	Diesel

Feature	Detail
Fuel Tank Capacity	10 Liters
Fuel Consumption	0.11-0.51 L/H (0.029 - 0.134 Gal/H)
Working Temperature	-40°C to +20°C (-40°F to +68°F)
Remote Control Distance	Up to 30 meters (98 feet)
Control Type	LCD Switch & Remote Control
Item Weight	1.76 ounces (Note: This seems to be the weight of a small component, not the entire heater. Actual heater weight will be significantly higher. Using provided data.)
Package Dimensions	1.18 x 0.79 x 0.39 inches (Note: This seems to be the dimensions of a small component, not the entire heater. Actual heater dimensions will be significantly larger. Using provided data.)

Note: The provided item weight and package dimensions appear to be for a small accessory rather than the full heater unit. Please refer to the product packaging for accurate overall dimensions and weight.

8. WARRANTY & SUPPORT

For warranty information and customer support regarding your CHIPEL Diesel Air Parking Heater, please refer to the documentation included with your purchase or contact the seller directly. Warranty terms and conditions may vary. Keep your purchase receipt and product serial number handy when contacting support.