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> DIGNIFE Diesel Parking Heater User Manual (12V/24V, 5KW/8KW)

DIGNIFE 1005002029531437

DIGNIFE Diesel Parking Heater User Manual

MODELS: 12V/24V, 5KW/8KW

Model Number: 1005002029531437

1. INTRODUCTION

Thank you for choosing the DIGNIFE Diesel Parking Heater. This auxiliary heater is designed to provide efficient and reliable heating for various vehicles, including cars, trucks, motor-homes, boats, and camper vans. It offers flexible power options (12V or 24V) and heating capacities (5KW or 8KW) to suit your specific needs. This manual provides essential information for the safe installation, operation, and maintenance of your heater.

Key features of your DIGNIFE Diesel Parking Heater include:

- Suitable for high-altitude operation up to 1500 meters.
- Effective defrosting of vehicle windows.
- Environmentally friendly with low emissions and low fuel consumption.
- Compact design for easy installation and transfer between vehicles.
- Volatile technology with a ceramic glow plug for rapid ignition and complete combustion.
- Advanced automatic control system ensuring reliable operation.
- Adjustable fuel, electricity, and temperature settings.



Figure 1: DIGNIFE Diesel Parking Heater main unit.

2. SAFETY INFORMATION

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

- **Professional Installation Recommended:** For optimal safety and performance, installation should be performed by a qualified technician.
- **Ventilation:** Ensure adequate ventilation in the installation area. Do not operate the heater in enclosed spaces without proper exhaust ventilation.
- **Exhaust System:** The exhaust pipe must be routed safely to the outside of the vehicle, away from flammable materials, fuel lines, and electrical wiring. Ensure no exhaust gases can enter the vehicle's cabin.
- **Fuel Handling:** Exercise extreme caution when handling fuel. Ensure the heater's fuel line is securely connected and free from leaks.
- **Electrical Connections:** All electrical connections must be secure and correctly wired according to the specified

- 1 x Fuel Filter
- 1 x Air Intake Pipe
- 1 x Air Outlet Duct Pipe
- 1 x Exhaust Pipe
- 1 x Silencer
- 1 x Remote Control
- 1 x Bag of Installation Parts (clamps, screws, ties, etc.)
- 1 x User Manual (this document)



Figure 3: Detailed view of key components such as the fuel filter, fuel pump, and silencer.

4. SETUP AND INSTALLATION

Proper installation is crucial for the safe and efficient operation of your diesel parking heater. If you are unsure about any step, consult a professional.

4.1 Pre-Installation Checks:

- **Vehicle Voltage:** Confirm your vehicle's battery voltage. For vehicles with a single battery, select the 12V heater model. For vehicles with two batteries (typically trucks or heavy-duty vehicles), select the 24V heater model.
- **Mounting Location:** Choose a dry, secure, and well-ventilated location for the heater unit, away from direct heat sources or flammable materials. Ensure sufficient space for air intake and exhaust routing.
- **Fuel Tank:** Ensure your vehicle's fuel tank is suitable for diesel fuel.

4.2 General Installation Steps (Consult a professional for detailed instructions):

1. Mount the main heater unit securely using the provided installation parts.
2. Connect the fuel line from the vehicle's fuel tank (or an auxiliary tank) to the fuel pump, and then from the fuel pump to the heater unit. Ensure all connections are tight and leak-free.
3. Install the air intake pipe, ensuring it draws clean air and is free from obstructions.
4. Install the exhaust pipe and silencer. Route the exhaust safely outside the vehicle, ensuring it is clear of any flammable components, wiring, or passenger compartments.
5. Connect the air outlet duct pipe to direct heated air into the desired area.
6. Connect the electrical wiring according to the wiring diagram provided in the full user manual (not included in this summary). Ensure correct voltage and polarity.
7. Perform a thorough check of all connections (fuel, air, exhaust, electrical) before initial startup.

5. OPERATING INSTRUCTIONS

The DIGNIFE Diesel Parking Heater features an intuitive control panel and a remote control for convenient operation.



Figure 4: Heater control panel.

5.1 Initial Startup:

1. Ensure the fuel tank has sufficient diesel fuel.
2. Turn on the main power switch (if applicable).
3. Press the power button on the control panel or remote control to start the heater. The unit will go through a startup sequence, including fuel priming and glow plug activation.
4. Allow the heater to run for a few minutes to ensure stable operation and proper combustion.

5.2 Adjusting Settings:

- **Temperature:** Use the up/down arrows on the control panel or remote to adjust the desired temperature.
- **Power/Heat Output:** Some models allow adjustment of the heater's power output (e.g., between 1KW and 8KW) to control heat intensity and fuel consumption. Refer to the full manual for specific instructions.
- **Timer Function:** If available, use the timer function to pre-set heating times.

5.3 Shutting Down:

Press the power button on the control panel or remote control to turn off the heater. The unit will enter a cool-down cycle to prevent overheating and ensure longevity. Do not disconnect power during the cool-down cycle.



Figure 5: Heater providing warmth in a vehicle during cold conditions.

6. MAINTENANCE

Regular maintenance ensures the longevity and efficient operation of your DIGNIFE Diesel Parking Heater.

- **Cleaning:** Periodically clean the exterior of the heater unit. Ensure air intake and outlet ducts are free from dust, debris, or obstructions.
- **Fuel Filter:** Inspect the fuel filter regularly and replace it if it appears clogged or dirty.
- **Exhaust System:** Check the exhaust pipe and silencer for any damage, blockages, or leaks. Ensure all connections are secure.
- **Electrical Connections:** Verify that all electrical connections are tight and free from corrosion.

- **Glow Plug:** The ceramic glow plug is designed for durability, but if ignition issues occur, it may require inspection or replacement by a qualified technician.
- **Storage:** If storing the heater for an extended period, ensure it is clean and dry.

7. TROUBLESHOOTING

If you encounter issues with your heater, refer to the following basic troubleshooting guide. For complex problems, contact customer support or a qualified technician.

- **Heater Fails to Start:**
 - Check battery voltage and connections.
 - Ensure sufficient fuel in the tank.
 - Inspect fuel lines for blockages or leaks.
 - Check the glow plug for proper function (requires specialized tools).
- **Low Heat Output:**
 - Verify the temperature setting is appropriate.
 - Check for obstructions in the air intake or outlet ducts.
 - Ensure the fuel filter is clean.
- **Excessive Smoke/Unusual Odor:**
 - Immediately shut down the heater.
 - Check the exhaust system for blockages or leaks.
 - This may indicate incomplete combustion; professional inspection is recommended.
- **Error Codes on Display:**

Refer to the full user manual for a list of error codes and their corresponding troubleshooting steps. The advanced automatic control system is designed to detect and report abnormal operating conditions.

8. SPECIFICATIONS

The following table outlines the general specifications for the DIGNIFE Diesel Parking Heater. Specific values may vary slightly by model variant.

| Feature | Specification |
|----------------------------|--|
| Material | Metal and Plastic |
| Color | As shown |
| Dimensions (L x W x H) | Approx. 39 x 15 x 18 cm (15.35 x 5.91 x 7.09 inches) |
| Voltage | 12V / 24V (Optional) |
| Power | 1-8KW |
| Fuel Consumption | Approx. 0.64 L/h (at max power) |
| Heater Working Temperature | -40°C to +50°C (-40°F to +122°F) |

| Feature | Specification |
|------------------------------|----------------------------------|
| Oil Pump Working Temperature | -40°C to +40°C (-40°F to +104°F) |
| Weight | Approx. 10 kg |
| Model Number | 1005002029531437 |



Figure 6: Heater dimensions.

9. WARRANTY AND SUPPORT

DIGNIFE products are manufactured to high-quality standards. For information regarding warranty coverage, terms, and conditions, please refer to the documentation provided at the time of purchase or contact your retailer.

For technical support, troubleshooting assistance beyond what is covered in this manual, or to inquire about replacement parts, please contact DIGNIFE customer service through the contact information provided with your product or on the

official DIGNIFE website.

