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HCALORY HC-A22

HCALORY Parking Heater HC-A22 User Manual

Model: HC-A22

Introduction

Thank you for choosing the HCALORY HC-A22 8.5 KW Diesel Parking Heater. This manual provides essential information for the safe and efficient operation, installation, and maintenance of your new parking heater. Please read this manual thoroughly before installation and use, and keep it for future reference.

Safety Information

Always prioritize safety when installing and operating the heater. Failure to follow these instructions may result in property damage, injury, or death.

- Ensure proper ventilation during operation to prevent carbon monoxide buildup.
- Do not operate the heater in enclosed spaces without adequate airflow.
- Keep flammable materials away from the heater's exhaust and air intake.
- Only use diesel fuel as specified for this model.
- Disconnect power before performing any maintenance or repairs.
- Installation should be performed by a qualified professional if you are unsure.

Product Overview

The HCALORY HC-A22 is a compact and efficient diesel parking heater designed to provide warmth in vehicles or small enclosed spaces. Below is an image of the unit:



This image displays the HCALORY HC-A22 Parking Heater. The unit is black with a textured carbon fiber pattern on its top surface. On the left side, a circular gridded air intake is visible. The overall design is compact and robust, suitable for vehicle installation.

Key components typically include the main heater unit, fuel pump, fuel tank (if integrated), exhaust pipe, intake pipe, and wiring harness.

Setup and Installation

Proper installation is critical for the safe and effective operation of your parking heater. This section provides general guidelines. Refer to the detailed installation diagram included with your product packaging for specific mounting points and connections.

Pre-Installation Checklist:

- Verify all components are present and undamaged.
- Choose a suitable mounting location that is stable, dry, and allows for proper air circulation and exhaust routing.
- Ensure adequate clearance around the heater for maintenance and heat dissipation.
- Prepare necessary tools (drills, wrenches, wire cutters, etc.).

Installation Steps (General):

1. **Mounting the Heater:** Securely fasten the main heater unit to a flat, stable surface using appropriate hardware.
2. **Fuel System Connection:** Connect the fuel pump to the heater and the fuel tank. Ensure all fuel lines are securely clamped and free of leaks.
3. **Exhaust System:** Install the exhaust pipe, ensuring it vents safely outside and away from flammable materials or vehicle occupants. Use heat-resistant materials where necessary.
4. **Air Intake:** Connect the air intake pipe. Ensure it draws clean air and is not obstructed.
5. **Electrical Connections:** Connect the wiring harness to the heater, fuel pump, and vehicle's power supply (typically 12V or 24V, depending on model). Pay close attention to polarity and fuse requirements.
6. **Control Panel/Remote:** Install and connect the control panel or pair the Bluetooth remote as per specific instructions.
7. **Initial Fuel Prime:** After installation, prime the fuel system according to the control panel instructions to ensure fuel reaches the heater.

Operating Instructions

The HCALORY HC-A22 heater is designed for user-friendly operation. Familiarize yourself with the control panel or Bluetooth application before first use.

Starting the Heater:

1. Ensure the fuel tank has sufficient diesel.
2. Turn on the main power switch for the heater.
3. Press the "ON" or "Start" button on the control panel, or activate via the Bluetooth app.
4. The heater will initiate a startup sequence, including pre-heating and fuel ignition. This may take a few minutes.
5. Once running, adjust the desired temperature or power level using the controls.

Stopping the Heater:

1. Press the "OFF" or "Stop" button on the control panel or via the Bluetooth app.
2. The heater will enter a cool-down cycle to prevent overheating and carbon buildup. Do not disconnect power during this cycle.
3. Once the cool-down cycle is complete, the heater will shut down completely.

Bluetooth Connectivity:

To use the Bluetooth feature, download the official HCALORY app from your device's app store. Follow the in-app instructions to pair your device with the HC-A22 heater. This allows for remote control and monitoring of the heater's functions.

Maintenance

Regular maintenance ensures the longevity and efficient operation of your HCALORY HC-A22 heater.

- **Monthly Check:** Inspect the exhaust and intake pipes for blockages, damage, or loose connections. Clean any debris.
- **Fuel Filter:** Check and replace the fuel filter annually or as needed, especially if fuel quality is a concern.
- **Air Filter:** Clean or replace the air filter periodically to ensure proper combustion air supply.
- **Electrical Connections:** Verify all electrical connections are secure and free from corrosion.
- **General Cleaning:** Keep the exterior of the heater clean. Do not use abrasive cleaners.
- **Professional Service:** Consider professional inspection and service every 1-2 years, especially before the heating season.

Troubleshooting

If you encounter issues with your HCALORY HC-A22 heater, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Heater does not start.	No power; low fuel; clogged fuel line; faulty glow plug.	Check power supply and fuses; refill fuel tank; inspect fuel lines for blockages; consult service manual for glow plug replacement.

Problem	Possible Cause	Solution
Heater produces smoke.	Poor combustion; incorrect fuel mixture; clogged exhaust.	Ensure proper air intake and exhaust flow; check fuel quality; clean exhaust pipe.
Heater shuts down unexpectedly.	Overheating; low voltage; fuel supply interruption.	Check for obstructions around heater; verify battery voltage; ensure consistent fuel supply.
Bluetooth connection issues.	App not updated; device not paired; interference.	Update the HCALORY app; re-pair the device; ensure no strong interference sources nearby.

If the problem persists after attempting these solutions, please contact HCALORY customer support.

Specifications

The following are the technical specifications for the HCALORY HC-A22 Parking Heater:

Brand: HCALORY
Model Number: HC-A22
Heating Power: 8.5 KW
Fuel Type: Diesel
Connectivity: Bluetooth
Form Factor: Pedestal
ASIN: B0BY6ZNWDB
Date First Available: 12 Mar. 2023

Warranty and Support

HCALORY products are manufactured to high-quality standards. For information regarding warranty coverage, please refer to the warranty card included with your purchase or visit the official HCALORY website. For technical support, troubleshooting assistance beyond this manual, or spare parts, please contact HCALORY customer service through their official channels.
Note: Always provide your product model number (HC-A22) and purchase date when contacting support.

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