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FDIK 5KW 12V

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Model: 5KW 12V

1. INTRODUCTION

Thank you for purchasing the FDIK 12V 5KW All-in-One Diesel Heater. This device is designed to provide efficient and reliable heating for various applications, including garages, workshops, boats, and vehicles. Its integrated design simplifies installation and operation. Please read this manual thoroughly before installation and use to ensure safe and optimal performance.

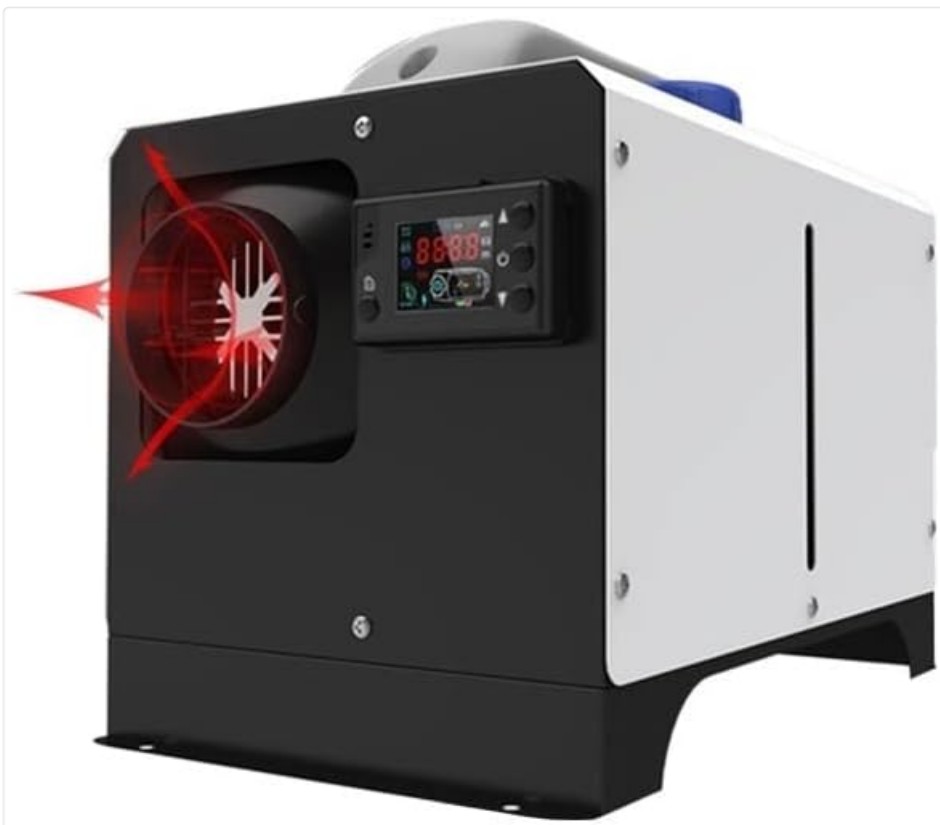


Image 1.1: Front-left view of the FDIK 12V 5KW All-in-One Diesel Heater. The unit features a compact design with an air outlet on the left and a control panel on the front.

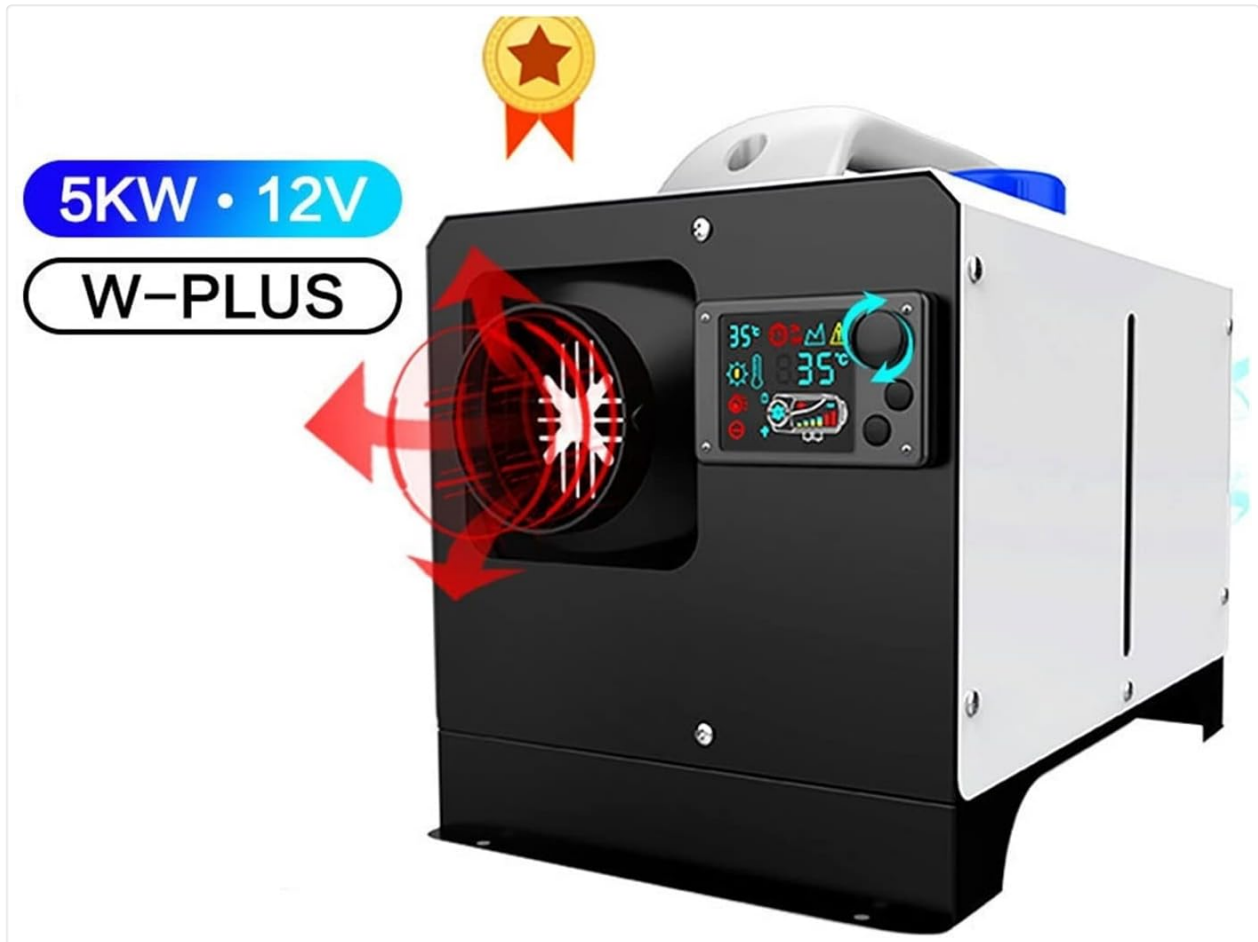


Image 1.2: The FDIK 12V 5KW All-in-One Diesel Heater, highlighting its 5KW power and 12V compatibility. This view shows the integrated design for ease of use.

2. SAFETY INFORMATION

Adhering to these safety guidelines is crucial for preventing injury, damage, or malfunction.

- **Ventilation:** Ensure adequate ventilation when operating the heater. Do not block air intake or exhaust vents.
- **Flammable Materials:** Keep the heater away from flammable liquids, gases, and materials. Maintain a safe distance from walls, furniture, and other objects.
- **Installation:** Install the heater on a stable, non-combustible surface. Ensure all connections (fuel, electrical, exhaust) are secure and leak-free.
- **Power Supply:** Use only a 12V DC power supply as specified. Do not overload the electrical circuit.
- **Exhaust Fumes:** The exhaust fumes contain carbon monoxide. Always route the exhaust pipe outdoors and away from windows or ventilation openings. Never operate the heater in an enclosed space without proper exhaust ventilation.
- **Children and Pets:** Keep children and pets away from the operating heater.
- **Maintenance:** Disconnect power before performing any maintenance or cleaning.
- **Emergency Shut-off:** Familiarize yourself with the heater's shut-off procedures in case of an emergency.

3. PRODUCT FEATURES

The FDIK 12V 5KW All-in-One Diesel Heater offers several features designed for user convenience and efficient heating:

- **Integrated Design:** All components are housed in a single unit, simplifying installation and portability.
- **High Efficiency:** Designed for low fuel consumption, allowing for extended operating times.
- **Quiet Operation:** Features noise reduction technology to minimize operational sound, suitable for use in quiet environments.
- **Automatic Temperature Control:** Equipped with a preset temperature function for automatic room temperature regulation.
- **User-Friendly Control:** High screen utilization on the LCD panel provides easy control and monitoring.
- **Versatile Application:** Suitable for various environments, including home, vehicle, garage, and outdoor use.



Image 3.1: The heater operating quietly, demonstrating its low-noise feature, suitable for use even while sleeping.

FDIK simplifica la vida y cómodo



Image 3.2: The portable design of the FDIK heater allows for easy transport and use in various outdoor settings.

4. SETUP

The all-in-one design simplifies setup. Follow these steps for initial installation:

1. **Unpacking:** Carefully remove the heater and all accessories from the packaging. Inspect for any damage.
2. **Placement:** Place the heater on a flat, stable, and non-combustible surface. Ensure there is sufficient clearance around the unit for proper airflow and safety. The unit is designed for floor mounting.
3. **Fuel Tank:** The integrated fuel tank (approximately 5L capacity) should be filled with diesel fuel. Ensure the fuel cap is securely tightened after filling.
4. **Exhaust System:** Connect the exhaust pipe to the heater's exhaust port and route it safely outside the heated area. Ensure no exhaust fumes can re-enter the space.
5. **Air Intake:** Ensure the air intake is clear of obstructions.
6. **Electrical Connection:** Connect the heater to a stable 12V DC power source. Ensure the polarity is correct and the connection is secure.

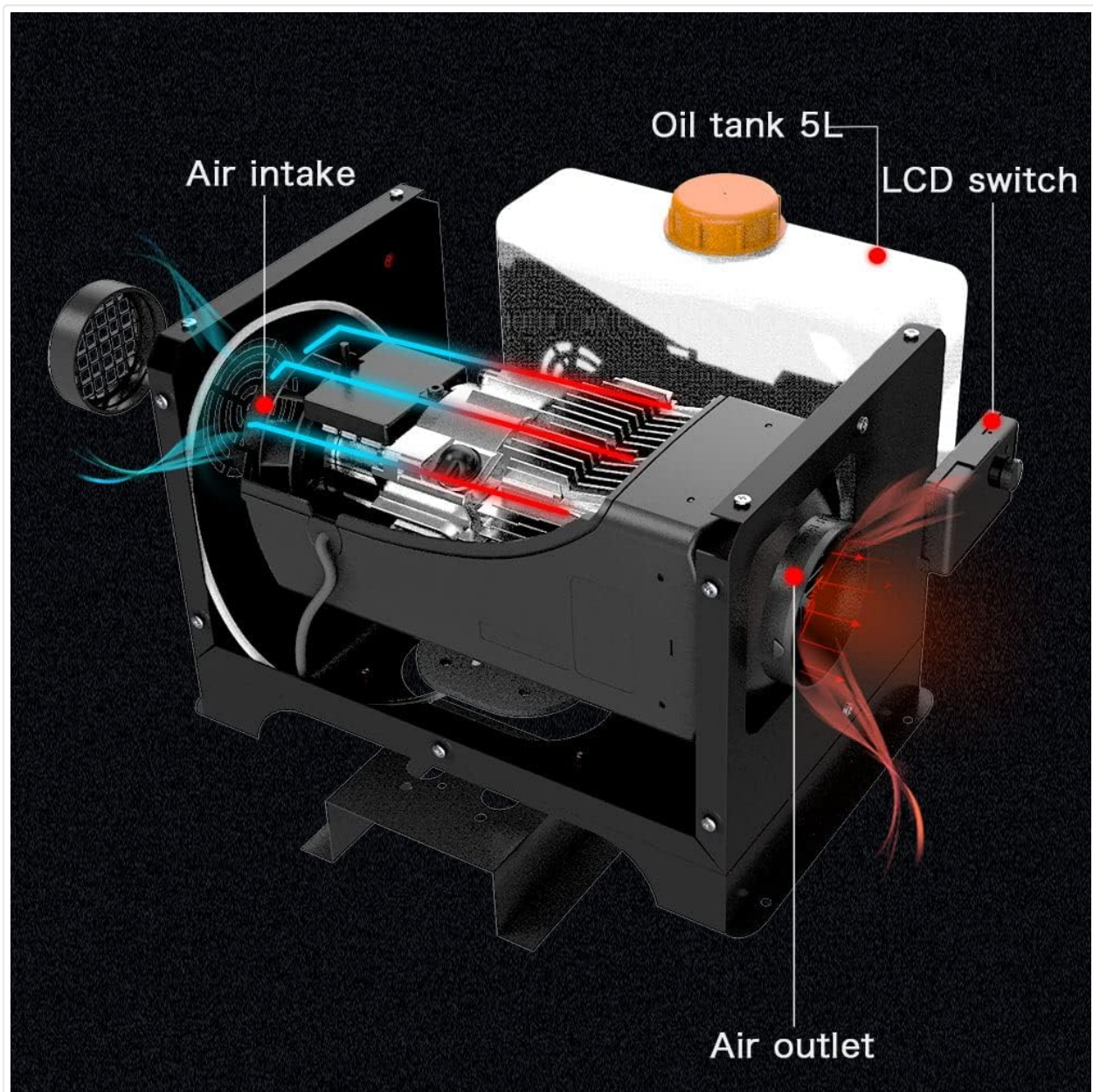


Image 4.1: Diagram showing the internal components, including the air intake, oil tank (5L), LCD switch, and air outlet, illustrating the integrated design.

5. OPERATING INSTRUCTIONS

The heater is controlled via an integrated LCD switch and a remote controller.

5.1. Control Panel Overview

FDIK LCD Switch

The remote controller can not only control the temperature (10 °C - 40 °C), but also control the power (1-5kw). At the same time, we add a timing function to the remote control, which brings you more convenience.



Image 5.1: The LCD control panel and remote controller. The remote allows control of temperature (10°C - 40°C) and power (1-5KW), and includes a timing function.

5.2. Basic Operation

1. **Power On:** Press the power button on the LCD panel or remote control to turn on the heater. The display will illuminate.
2. **Set Temperature:** Use the temperature adjustment buttons (or knob on the remote) to set your desired temperature. The heater will automatically adjust its output to maintain this temperature. The temperature range is typically 10°C to 40°C.
3. **Adjust Power (if applicable):** Some models allow manual adjustment of heating power (e.g., 1-5KW) via the control panel or remote. Refer to the display for current power settings.
4. **Timing Function:** The remote controller may include a timing function to schedule operation. Consult the remote's specific instructions for details.
5. **Power Off:** Press the power button again to turn off the heater. The unit will enter a cool-down cycle before completely shutting down. Do not disconnect power during the cool-down cycle.

6. MAINTENANCE

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

- **Cleaning:** Periodically clean the exterior of the heater with a soft, damp cloth. Ensure air intake and exhaust vents are free from dust and debris.
- **Fuel Filter:** Check and clean or replace the fuel filter as needed, especially if you notice reduced performance or fuel delivery issues.
- **Exhaust System:** Inspect the exhaust pipe for any blockages, damage, or leaks. Ensure it remains securely connected.
- **Electrical Connections:** Verify that all electrical connections are tight and free from corrosion.
- **Storage:** If storing the heater for an extended period, ensure the fuel tank is empty or filled with fresh, stabilized fuel. Store in a dry, protected area.

7. TROUBLESHOOTING

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

Problem	Possible Cause	Solution
Heater does not start	No power; Low fuel; Faulty ignition; Blocked fuel line	Check 12V power supply; Refill fuel tank; Inspect fuel line for blockages; Contact support if ignition issue persists.
No heat output	Low fuel; Air intake/exhaust blocked; Incorrect temperature setting	Check fuel level; Clear any obstructions from air intake/exhaust; Adjust temperature setting higher.
Excessive smoke	Poor fuel quality; Incorrect fuel/air mixture; Blocked exhaust	Use fresh, clean diesel fuel; Check for exhaust blockages; Contact support for fuel/air mixture adjustment.
Unusual noise	Loose components; Fan obstruction; Bearing wear	Inspect for loose parts; Ensure fan is clear; Contact support for internal component issues.
Error code on display	Specific system fault	Refer to the specific error code in the manufacturer's detailed troubleshooting guide (if available) or contact customer support.

8. SPECIFICATIONS

Feature	Specification
Model	5KW 12V
Power Output	5000W (5KW)
Voltage	12V DC
Fuel Type	Diesel
Fuel Tank Capacity	Approx. 5 Liters
Mounting Type	Floor Mount
ASIN	B0BQVJTPP2
First Available	2022/12/22

9. WARRANTY AND SUPPORT

For warranty information and customer support, please refer to the documentation included with your purchase or contact the retailer/manufacturer directly. Keep your purchase receipt as proof of purchase.