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## Dyna-Glo KFA220WH

# Dyna-Glo Workhorse KFA220WH Kerosene Forced Air Heater User Manual

Model: KFA220WH

## 1. INTRODUCTION

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This manual provides essential information for the safe and efficient operation, setup, and maintenance of your Dyna-Glo Workhorse KFA220WH Kerosene Forced Air Heater. This powerful heater is designed to provide significant heat output for various applications.



Figure 1: Dyna-Glo Workhorse KFA220WH Kerosene Forced Air Heater, front view.

## 2. IMPORTANT SAFETY INFORMATION

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**WARNING: Read and understand all instructions before using this heater. Failure to follow these instructions may result in fire, explosion, electric shock, or serious injury.**

- **Ventilation:** Proper ventilation is required during operation. This heater consumes oxygen. Do not use in residential living areas or in inadequately ventilated areas. Ensure adequate fresh air supply to prevent oxygen depletion.
- **Fuel:** Use only 1-K Kerosene as the fuel. Other fuels can be dangerous and may damage the heater.
- **Placement:** Position the heater on a stable, level surface. Maintain adequate clearance from combustible materials.
- **Electrical Connection:** Ensure the power cord is in good condition and connected to a grounded outlet. Do not use extension cords unless absolutely necessary and ensure they are rated for the heater's power requirements.
- **Operation:** Never leave the heater unattended while operating. Do not move the heater while it is running or hot.
- **Children and Pets:** Keep children and pets away from the heater at all times.

## 3. SETUP AND ASSEMBLY

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Before first use, ensure all components are present and undamaged. The heater comes with front and rear lift handles

and a cord wrap for convenience.

1. **Unpacking:** Carefully remove the heater and all accessories from the packaging. Retain packaging for future storage or transport.
2. **Handle Installation:** Attach the front and rear lift handles to the heater frame using the provided hardware. Ensure they are securely fastened.
3. **Wheel Assembly:** If wheels are not pre-assembled, attach them to the axle following the instructions in the separate assembly guide (if provided).
4. **Positioning:** Place the heater on a firm, level surface in a well-ventilated area, away from walls, furniture, and other combustible materials.



Figure 2: Side view of the heater showing the cord wrap feature.

## 4. OPERATING INSTRUCTIONS

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Follow these steps for safe and effective operation of your kerosene forced air heater.

1. **Fueling:** Ensure the heater is off and cool before adding fuel. Fill the fuel tank with clean 1-K Kerosene only. Do not overfill.
2. **Power Connection:** Connect the dual source power cord to a standard 120V grounded electrical outlet.
3. **Starting the Heater:**

- Turn the thermostat or control knob to the desired heat setting.
  - Press the power switch to the "ON" position. The heater should ignite within a few seconds.
4. **Adjusting Heat:** Adjust the thermostat or control knob to regulate the heat output as needed.
  5. **Shutting Down:** To turn off the heater, press the power switch to the "OFF" position. Allow the fan to run until the unit cools down completely before unplugging or moving.



Figure 3: Control panel with power switch and thermostat knob.

## 5. MAINTENANCE

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Regular maintenance ensures optimal performance and extends the life of your heater.

- **Cleaning:** Keep the exterior of the heater clean. Use a soft, damp cloth. Do not use abrasive cleaners or solvents.
- **Fuel Filter:** Periodically check and clean the fuel filter. Refer to the detailed diagram in the separate service manual for location and cleaning instructions.

- **Nozzle and Electrodes:** Inspect the fuel nozzle and ignition electrodes for carbon buildup or damage. Clean or replace as necessary. This typically requires professional service.
- **Storage:** When storing the heater for extended periods, drain all fuel from the tank and store in a dry, safe location.

## 6. TROUBLESHOOTING

This section addresses common issues you might encounter with your heater.

Problem	Possible Cause	Solution
Heater does not ignite.	No fuel, clogged fuel filter, faulty igniter, low ambient temperature.	Check fuel level. Clean/replace fuel filter. Ensure proper electrical connection. In very cold conditions, ensure fuel is not gelled; a heat gun on the pump may be needed for initial start-up.
Excessive smoke or odor.	Incorrect fuel type, dirty fuel filter, improper air/fuel mixture, poor ventilation.	Ensure only 1-K Kerosene is used. Clean fuel filter. Verify adequate ventilation. If problem persists, professional service may be required to adjust air/fuel mixture.
Heater shuts off unexpectedly.	Low fuel, overheating, safety sensor tripped, power interruption.	Refill fuel tank. Ensure proper ventilation and clearances. Check power connection. Allow heater to cool down before restarting.

## 7. SPECIFICATIONS

Key technical specifications for the Dyna-Glo Workhorse KFA220WH heater.

Feature	Detail
Brand	Dyna-Glo
Model Number	KFA220WH (Internal Model: 246122)
BTU Output	180,000 or 220,000 BTU (Adjustable)
Fuel Type	1-K Kerosene
Voltage	120 Volts
Product Dimensions (LxWxH)	47.44"D x 23.13"W x 33.44"H
Item Weight	64.4 pounds
Indoor/Outdoor Usage	Outdoor (with proper ventilation)
Special Feature	Portable, Dual Source Power Cord, Front & Rear Lift Handles & Cord Wrap



Figure 4: Product dimensions for the KFA220WH heater.

## 8. WARRANTY AND SUPPORT

For warranty information or technical support, please refer to the warranty card included with your product or contact Dyna-Glo customer service. You can also visit the official Dyna-Glo store for additional resources.

**Customer Support:** For assistance, please refer to the contact information provided in your product packaging or visit the [Dyna-Glo Store on Amazon](#).