

DEWALT DXH190HD

DEWALT DXH190HD Forced Air Kerosene Heater User Manual

Model: DXH190HD

IMPORTANT SAFETY INFORMATION

Read and understand all instructions before operating this heater. Failure to follow these instructions may result in fire, explosion, injury, or death. This heater is designed for use in well-ventilated areas only. Never use this heater in living areas or where flammable vapors may be present.

Proposition 65 Warning: This product can expose you to chemicals including carbon monoxide, which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

The heater is equipped with an overheat safety shut-off feature and continuous electronic ignition for enhanced safety.

This product is **CSA Certified**, ensuring it meets applicable safety standards.

PRODUCT OVERVIEW

The DEWALT DXH190HD is a heavy-duty forced air kerosene heater designed for robust performance in demanding environments. It features a durable roll cage, flat-free rubber tires for easy transport, and a rugged two-piece split barrel for simplified cleaning and maintenance. The ergonomic handle and recessed controls further enhance usability and protection on the job site.



Figure 1: Overall view of the DEWALT DXH190HD Forced Air Kerosene Heater, showcasing its robust design with a yellow fuel tank, black roll cage, and large wheels.

SETUP AND ASSEMBLY

1. **Unpacking:** Carefully remove all components from the packaging. Inspect for any shipping damage.
2. **Assembly:** Minimal assembly is required. Attach the handle and wheels as per the included assembly diagram. Ensure all fasteners are securely tightened.
3. **Placement:** Position the heater on a stable, level surface in a well-ventilated area. This heater is suitable for construction sites, barns, warehouses, and workshops. Maintain adequate clearance from combustible materials.
4. **Fueling:** This heater is multi-fuel capable. It can operate on Kerosene, Diesel #1 or #2, Heating Oil, or Jet A fuel.
 - Ensure the heater is turned off and cool before adding fuel.
 - Use a clean funnel to prevent contaminants from entering the fuel tank.
 - Do not overfill the tank.
 - Always use the recommended fuel types. Using improper fuels can damage the heater and void the warranty.

5. **Power Connection:** Connect the heater to a grounded electrical outlet with the correct voltage and amperage as specified in the product specifications.



Figure 2: Detail of the flat-free rubber tire, designed for durability and easy maneuverability across various terrains.

OPERATING INSTRUCTIONS

1. Pre-Operation Check:

- Verify the fuel tank contains sufficient and correct fuel.
- Ensure the heater is properly connected to a power source.
- Confirm the area is adequately ventilated.
- Check for any obstructions around the heater's air intake or exhaust.

2. Starting the Heater:

- Turn the thermostat control to the desired heat setting.
- Flip the power switch to the "ON" position. The continuous electronic ignition system will initiate the burner.
- The heater may sputter briefly before a steady flame is established.

3. Adjusting Heat Output:

- Use the thermostat control knob to adjust the heat output. The heater will cycle on and off to maintain the set temperature.

4. Shutting Down:

- To turn off the heater, flip the power switch to the "OFF" position.
- Allow the heater to cool down completely before moving or storing.

Note on Noise: This forced air heater produces significant operational noise during use. This is normal for this type of equipment.



Figure 3: The recessed control panel, featuring the power switch and thermostat knob, designed to protect against damage.



Figure 4: The front barrel of the heater, showing the air intake and burner assembly.

MAINTENANCE

Regular maintenance ensures optimal performance and extends the life of your heater. Always disconnect the heater from the power supply and allow it to cool completely before performing any maintenance.

- **Cleaning the Barrel:** The rugged two-piece split barrel design allows for easier access for cleaning. Regularly inspect and clean the interior of the barrel to remove any soot or debris that may accumulate.
- **Fuel System Check:** Periodically inspect fuel lines and connections for leaks or damage. If you observe fuel leaking around the filler cap or fuel gauge, ensure they are properly sealed and not damaged.
- **Fuel Filter:** Check and clean or replace the fuel filter as recommended in the full service manual (not provided here). A clogged fuel filter can affect performance.
- **Airflow Adjustment:** If switching between different fuel types (e.g., kerosene to diesel), minor adjustments to the fuel pump pressure or airflow may be necessary to ensure clean and efficient burning. Consult a qualified technician if unsure.

- **General Cleaning:** Keep the exterior of the heater clean and free of dust and debris. Do not spray water directly onto the heater.

TROUBLESHOOTING

Before contacting customer support, review the following common issues and solutions:

Problem	Possible Cause	Solution
Heater does not start or ignite.	No power, no fuel, clogged fuel filter, ignition system issue.	Check power connection. Ensure sufficient fuel. Inspect and clean fuel filter. If ignition fails, contact support.
Heater sputters or sprays raw fuel.	Incorrect fuel pressure, dirty nozzle, air in fuel line, incorrect fuel type.	Verify correct fuel type. Check fuel pressure adjustment screw. Inspect and clean fuel nozzle. Bleed air from fuel line if necessary.
Excessive fumes or strong odor.	Insufficient ventilation, incorrect fuel type, improper combustion.	Ensure adequate ventilation. Use recommended fuel. Adjust fuel/air mixture if possible (consult manual or technician).
Heater shuts off unexpectedly.	Overheat safety engaged, low fuel, power interruption.	Allow heater to cool. Check fuel level. Verify stable power supply.

If troubleshooting steps do not resolve the issue, please contact DEWALT customer support.

SPECIFICATIONS

- **Model Number:** F340695 (DXH190HD)
- **Heating Method:** Forced Air
- **Heat Output:** 190,000 BTU
- **Fuel Type:** Multi-fuel (Kerosene, Diesel #1/#2, Heating Oil, Jet A)
- **Product Dimensions:** 39.75 x 18 x 21 inches
- **Item Weight:** 74 pounds
- **Safety Features:** Overheat Safety Shut-off, Continuous Electronic Ignition
- **Certifications:** CSA Certified

WARRANTY AND SUPPORT

This DEWALT DXH190HD Forced Air Kerosene Heater comes with a **1-year warranty** from the date of purchase, covering defects in materials and workmanship.

For warranty claims, technical assistance, or to purchase replacement parts, please contact DEWALT Customer Support:

- **Website:** www.dewalt.com/support (Example link, actual link may vary)
- **Phone:** 1-800-4DEWALT (1-800-433-9258) (Example number, actual number may vary)

Please have your model number (DXH190HD or F340695) and date of purchase available when contacting support.

