

DEWALT DXH70CFAV

DEWALT DXH70CFAV 68,000 BTU Portable Cordless Propane Forced Air Heater User Manual

Model: DXH70CFAV

1. IMPORTANT SAFETY INFORMATION

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

- **Ventilation:** This heater requires adequate ventilation. Always operate in a well-ventilated area. Do not use in confined spaces. Ensure fresh air supply to prevent oxygen depletion and carbon monoxide buildup.
- **Fuel:** Use only propane gas. Do not use other fuels.
- **Leak Checks:** Before each use, check all gas connections for leaks using a soap and water solution. Never use a flame to check for leaks.
- **Clearances:** Maintain safe distances from combustible materials. Refer to the product labels for specific clearance requirements.
- **Supervision:** Never leave the heater unattended while operating.
- **Children and Pets:** Keep children and pets away from the heater.
- **Storage:** Store propane cylinders outdoors in a well-ventilated area, away from ignition sources.
- **Electrical:** Ensure the power source (battery or AC adapter) is compatible with the heater's requirements. Do not use damaged cords or batteries.
- **CSA Certified:** This heater is CSA certified, indicating it meets applicable safety standards.

For detailed safety guidelines, consult the full safety manual provided with your product.

2. PRODUCT OVERVIEW

The DEWALT DXH70CFAV is a portable, cordless, forced air propane heater designed for heating job sites, garages, and workshops. It delivers up to 68,000 BTU/hr of heat and features quiet burner technology, reducing operational noise by up to 50% compared to standard propane heaters. Its robust design includes a high-temperature limit switch for safety, a heavy-duty handle for portability, and a split barrel design for simplified maintenance.



Figure 2.1: Front view of the DEWALT DXH70CFAV portable propane heater, showcasing its yellow base, black barrel, and silver heat output end with the DEWALT logo and 68,000 BTU rating.

Key Features:

- **Heating Capacity:** Up to 68,000 BTU/hr.
- **Quiet Operation:** Up to 50% quieter than standard propane heaters.
- **Portability:** Cordless operation with 20V Max and FLEXVOLT batteries (sold separately) and a heavy-duty handle.
- **Safety Features:** High-temperature limit switch, recessed controls.
- **Maintenance:** Split barrel design for easy access.
- **Included Accessories:** Hose and regulator for propane connection.

3. COMPONENTS LIST

Ensure all components are present and undamaged before assembly and operation.

- DEWALT DXH70CFAV Heater Unit

- Propane Hose
- Propane Regulator
- User Manual (this document)

Note: 20V Max or FLEXVOLT batteries and charger are sold separately and are required for cordless operation. A propane tank is also required and sold separately.



Figure 3.1: Side view of the DEWALT DXH70CFAV heater, highlighting the control panel with ignition button and heat adjustment knob, and the battery compartment on the yellow base.

4. SETUP

- 1. Positioning the Heater:** Place the heater on a firm, level surface. Ensure adequate clearance from combustible materials (e.g., walls, fabrics, wood). Refer to the product label for minimum clearance distances.
- 2. Connecting the Propane Tank:**
 - Ensure the propane tank valve is closed.
 - Connect the regulator to the propane tank valve. Hand-tighten securely.
 - Connect the other end of the propane hose to the heater's gas inlet. Hand-tighten securely.

- Perform a leak test: Open the propane tank valve slowly. Apply a soap and water solution to all connections. If bubbles appear, close the valve, tighten connections, and retest. Do not operate if leaks persist.

3. Powering the Heater:

- For cordless operation, insert a charged DEWALT 20V Max or FLEXVOLT battery into the battery port on the heater's base.
- Alternatively, for corded operation, connect an appropriate extension cord (110V in the US) to the heater's power inlet.

5. OPERATING INSTRUCTIONS

1. Pre-Operation Check:

- Confirm all safety precautions are met.
- Ensure adequate ventilation.
- Verify propane tank connection and check for leaks.
- Confirm power source (battery or AC) is connected.

2. Starting the Heater:

- Slowly open the propane tank valve fully.
- Turn the heater's control knob to the desired heat setting (Low to High).
- Press and hold the ignition button until the burner ignites. You may need to hold it for a few seconds after ignition to ensure the flame is established.
- If the heater does not ignite after several attempts, refer to the Troubleshooting section.

3. **Adjusting Heat Output:** Rotate the control knob to increase or decrease the heat output as needed.

4. Shutting Down the Heater:

- Turn the heater's control knob to the "OFF" position.
- Close the valve on the propane tank.
- Allow the heater to cool down completely before moving or storing.

6. MAINTENANCE

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

• **Cleaning:**

- Ensure the heater is off, unplugged (if applicable), and completely cool before cleaning.
- Wipe exterior surfaces with a damp cloth. Do not use abrasive cleaners or solvents.
- The split barrel design allows for easier access to internal components for inspection and cleaning if necessary. Consult a qualified service technician for internal cleaning beyond basic dusting.

• **Hose and Regulator Inspection:** Periodically inspect the propane hose and regulator for cuts, cracks, or damage. Replace immediately if any damage is found.

• **Storage:**

- Disconnect the propane tank and store it outdoors in a well-ventilated area.
- Store the heater in a dry, protected location, away from direct sunlight and extreme temperatures.
- Remove batteries if storing for extended periods.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Heater does not ignite.	No propane flow. Ignition button not held long enough. Low or dead battery (for cordless operation). Faulty ignition system.	Ensure propane tank valve is fully open and tank has fuel. Hold ignition button for several seconds after hearing ignition. Replace or charge battery. Ensure AC power is connected if not using battery. Contact DEWALT customer service.
Low heat output or flame goes out.	Low propane level. Propane tank freezing (especially 20lb tanks in cold weather). Restricted air intake.	Replace propane tank. Use a larger propane tank (e.g., 40lb or 100lb) to prevent freezing, or ensure the tank is not directly on cold ground. Check for and clear any obstructions around the air intake.
Heater shuts off unexpectedly.	Overheating (high-temperature limit switch activated). Lack of oxygen/poor ventilation. Low battery.	Allow heater to cool down. Check for proper clearances and ventilation. Ensure adequate fresh air supply. Replace or charge battery.

If troubleshooting steps do not resolve the issue, contact DEWALT customer service or a qualified technician.

8. SPECIFICATIONS



Figure 8.1: Diagram illustrating the dimensions of the DEWALT DXH70CFAV heater: 19.75 inches deep, 12 inches wide, and 18 inches high.

Feature	Detail
Brand	DEWALT
Model Number	DXH70CFAV
Heat Output	Up to 68,000 BTU/hr
Fuel Type	Propane
Power Source	20V Max / FLEXVOLT Battery (sold separately) or 110V AC (via extension cord)
Voltage	20 Volts (for battery operation)
Product Dimensions (L x W x H)	19.75" x 12" x 18"
Item Weight	14.8 pounds

Feature	Detail
Special Features	Adjustable Temperature, Portable, Quiet Barrel Forced Air Design, High Temperature Limit Switch
Certifications	CSA Certified
Fabric Type	Stainless Steel

9. WARRANTY INFORMATION

This DEWALT DXH70CFAV heater is covered by a **2-year limited warranty**.

For specific terms and conditions of the warranty, please refer to the warranty card included with your product or visit the official DEWALT website. Keep your proof of purchase for warranty claims.

10. CUSTOMER SUPPORT

For technical assistance, replacement parts, or warranty inquiries, please contact DEWALT Customer Service.

Visit the official DEWALT website for contact information and support resources.