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L.B. White Premier 80DF

L.B. White Premier 80DF Forced Air Propane Tent Heater User Manual

1. INTRODUCTION

This manual provides essential information for the safe and effective use of your L.B. White Premier 80DF Forced Air Propane Tent Heater. Please read all instructions carefully before operating the unit to ensure proper function and to prevent injury or damage.

The Premier 80DF is a ductable, portable space heater designed for indoor and outdoor use in various settings, including parties, commercial applications, construction sites, greenhouses, and tents. It delivers 80,000 BTU per hour with high fuel efficiency and features an enclosed flame design for safety.



Figure 1: L.B. White Premier 80DF Forced Air Propane Tent Heater.

2. IMPORTANT SAFETY INFORMATION

WARNING: Failure to follow these instructions can result in fire, explosion, carbon monoxide poisoning, property damage, personal injury, or death.

- Always operate the heater in a well-ventilated area to prevent carbon monoxide accumulation.
- Do not use this heater in residential living areas or where flammable liquids or vapors are stored.
- Ensure proper clearance from combustible materials. Refer to local codes and regulations.
- Never leave the heater unattended during operation.
- Keep children and pets away from the heater.
- Do not block air intake or exhaust openings.
- Use only LP (liquid propane) or NG (natural gas) as specified for your model.

- Always connect the heater to a properly grounded electrical outlet.
- In case of gas odor, immediately shut off the gas supply, ventilate the area, and do not operate any electrical switches or appliances.
- This heater is equipped with overheat protection. If the unit overheats, it will shut down automatically.

3. PACKAGE CONTENTS

Verify that all items are present and undamaged upon unpacking:

- L.B. White Premier 80DF Forced Air Propane Tent Heater Unit
- 15-foot Gas Hose Kit with 5 Adapters (L.B. White 500-24600)
- Remote Thermostat with 25-foot Cord & 15 Amp plug (L.B. White 500-30125)
- Regulator for Premier 170 Propane unit (L.B. White 500-26419)
- User Manual (this document)

Note: Air distribution accessories are sold separately.

4. SETUP

1. **Placement:** Position the heater on a stable, level surface. Ensure adequate clearance from walls, ceilings, and combustible materials as per safety guidelines. The unit measures approximately 28"D x 13.5"W x 22"H and weighs 51 pounds.



Figure 2: Product dimensions for proper placement.

2. Fuel Connection:

- Connect the provided regulator to your LP (liquid propane) tank or NG (natural gas) supply.
- Attach the 15-foot gas hose to the regulator and then to the heater's fuel inlet.
- Ensure all connections are tight and secure. Use a leak detection solution (soap and water) to check for gas leaks before operation.
- Utilize the lockable fuel selector valve for safe switching between fuel sources if applicable to your setup.

3. **Electrical Connection:** Plug the heater into a standard 115 Volt, properly grounded electrical outlet.

4. **Thermostat Connection:** Connect the remote thermostat to the designated port on the heater. This allows for convenient temperature control.



Figure 3: Heater positioned in a commercial environment.

5. OPERATING INSTRUCTIONS

1. **Pre-Operation Check:** Before each use, inspect the heater, hose, and electrical cord for any signs of damage. Ensure all connections are secure.
2. **Fuel Supply:** Open the valve on your LP tank or natural gas supply.

- Power On:** Turn on the main power switch on the heater. The electronic spark ignition system will initiate the heating process.
- Temperature Control:** Use the remote thermostat to set your desired temperature. The heater will automatically adjust its output to maintain the set temperature.
- Vent Mode:** The unit features a vent mode for air circulation without heat. Refer to the unit's control panel for activating this mode.
- Shut Down:** To turn off the heater, first close the fuel supply valve. Then, turn off the main power switch on the heater. Allow the unit to cool down completely before moving or storing.

6. MAINTENANCE

Regular maintenance ensures optimal performance and longevity of your Premier 80DF heater.

- Cleaning:** Keep the exterior of the heater clean. Do not use abrasive cleaners. Ensure air intake and exhaust grilles are free from dust and debris.
- Hose and Regulator Inspection:** Periodically check the gas hose and regulator for cracks, cuts, or wear. Replace if any damage is found.
- Electrical Cord Inspection:** Inspect the power cord for fraying or damage.
- Storage:** When not in use, store the heater in a dry, protected area. The Tri-Shield finish provides superior protection against abrasion and corrosion, but proper storage further extends its life.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Heater does not ignite.	No fuel supply, power issue, faulty ignition.	Check LP tank valve or NG supply. Ensure power cord is securely plugged in. Contact support if ignition fails repeatedly.
Heater shuts off unexpectedly.	Overheat protection activated, low fuel, ventilation issue.	Ensure adequate ventilation. Check fuel levels. Allow unit to cool down. Clear any obstructions from air inlets/outlets.
Insufficient heat output.	Incorrect temperature setting, low fuel pressure, dirty air filter.	Verify thermostat setting. Check fuel supply and regulator. Ensure air intake is clear.
Gas odor detected.	Gas leak.	Immediately shut off gas supply. Ventilate area. Do not operate electrical switches. Check all connections with leak detection solution. If odor persists, contact a qualified technician.

8. SPECIFICATIONS

- Brand:** L.B. White
- Model:** Premier 80DF
- Heat Output:** 80,000 British Thermal Units (Btuh)
- Fuel Type:** LP (Liquid Propane), NG (Natural Gas)
- Fuel Efficiency:** 99.97%
- Air Output:** 450 CFM (Cubic Feet per Minute)
- Voltage:** 115 Volts

- **Special Feature:** Overheat Protection
- **Indoor/Outdoor Usage:** Outdoor (Can be ducted for indoor applications)
- **Product Dimensions:** 28"D x 13.5"W x 22"H
- **Item Weight:** 51 pounds
- **Manufacturer:** L.B. White
- **Ignition:** Electronic Spark Ignition
- **Finish:** Tri-Shield (for abrasion and corrosion protection)

9. WARRANTY

The L.B. White Premier 80DF Forced Air Propane Tent Heater comes with a **2-year warranty** from the date of purchase. This warranty covers defects in materials and workmanship under normal use. Please retain your proof of purchase for warranty claims. For full warranty terms and conditions, refer to the official L.B. White documentation or contact customer support.

10. CUSTOMER SUPPORT

L.B. White provides **lifetime technical support** for the Premier 80DF heater. If you encounter any issues or have questions not covered in this manual, please contact L.B. White customer service for assistance. Contact information can typically be found on the manufacturer's official website or on the product packaging.