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› Dyna-Glo RMC-LPC200DG Liquid Propane Convection Heater User Manual

Dyna-Glo RMC-LPC200DG

Dyna-Glo RMC-LPC200DG Liquid Propane Convection Heater User Manual

Model: RMC-LPC200DG | Brand: Dyna-Glo

1. INTRODUCTION

This manual provides essential information for the safe and efficient operation of your Dyna-Glo RMC-LPC200DG Liquid Propane Convection Heater. This portable heater is designed for various heating applications, including outdoor and indoor construction, industrial, and commercial environments, provided adequate ventilation is maintained. Key features include a continuously variable heat control, 360-degree heat radius, and an automatic overheat shutoff for safety. No external electricity is required for its primary heating function.





Figure 1: Dyna-Glo RMC-LPC200DG Liquid Propane Convection Heater

2. IMPORTANT SAFETY INFORMATION

Read and understand all safety warnings and instructions before operating this heater. Failure to comply may result in fire, explosion, carbon monoxide poisoning, property damage, personal injury, or death.

2.1 Carbon Monoxide Hazard

- This heater produces carbon monoxide, which is an odorless, colorless gas that can cause death.
- Use only in well-ventilated areas. Adequate ventilation must be provided.
- Never use this heater in living or sleeping areas.
- Install a carbon monoxide detector in any enclosed space where the heater is used.

2.2 Fire and Burn Hazard

- Keep combustible materials at least 10 feet (3 meters) from the front, sides, and top of the heater.

- Do not use this heater near gasoline, paint, or other flammable liquids and vapors.
- The heater surfaces become extremely hot during operation. Avoid contact.
- Ensure the heater is placed on a large, sturdy, level base to prevent tipping.
- The unit is equipped with an automatic overheat shutoff feature for enhanced safety.

2.3 Propane Gas Safety

- Use only liquid propane (LP) gas.
- Always connect the heater to an LP gas cylinder with the provided hose and regulator assembly.
- Check for gas leaks using a soap and water solution before each use. Bubbles indicate a leak. If a leak is detected, tighten the connection or replace the faulty part. Do not operate the heater if a leak is present.
- Store LP gas cylinders outdoors in a well-ventilated area, away from heat sources and direct sunlight.

3. PACKAGE CONTENTS

Verify that all items listed below are present in your package:

- Dyna-Glo RMC-LPC200DG Convection Heater Unit
- 10-foot Hose Assembly
- Regulator
- Assembly Guide



Figure 2: Included 10-foot Hose and Regulator Assembly

4. SETUP INSTRUCTIONS

The Dyna-Glo RMC-LPC200DG requires some assembly. Refer to the included Assembly Guide for detailed steps.

4.1 Assembly

Follow the instructions in the provided Assembly Guide to correctly assemble the heater components. Ensure all connections are secure before proceeding.

4.2 Connecting to Propane Tank

1. Ensure the propane tank valve is closed.
2. Connect the regulator to the propane tank valve. Hand-tighten the connection, then use an adjustable wrench to ensure a snug fit.
3. Connect the other end of the hose to the heater's gas inlet.
4. Perform a leak test: Apply a soap and water solution to all gas connections. Bubbles indicate a leak. If a leak is detected, tighten the connection or replace the faulty part. Do not operate the heater if a leak is present.

4.3 Placement

Place the heater on a stable, level, non-combustible surface. Ensure adequate clearance from combustible materials as specified in the safety section. Always ensure proper ventilation when operating the heater, especially in indoor construction or commercial settings.

5. OPERATING INSTRUCTIONS

Follow these steps to safely operate your Dyna-Glo convection heater:

5.1 Starting the Heater

1. Ensure the heater is connected to a propane tank and all connections are secure and leak-free.
2. Slowly open the main valve on the propane tank.
3. Locate the control knob on the heater's base.
4. Press and hold the red ignition button (piezo igniter) while simultaneously turning the control knob to the desired heat setting (Low, Medium, or High).
5. Once the burner ignites, continue to hold the ignition button for approximately 15-20 seconds to allow the thermocouple to heat up and maintain the flame.
6. Release the ignition button. The heater should continue to operate. If the flame extinguishes, repeat the ignition process.



Figure 3: Heater Control Panel with Ignition and Heat Adjustment

5.2 Adjusting Heat Output

The heater features continuously variable heat settings from 50,000 to 200,000 BTUs. Adjust the control knob to increase or decrease the heat output as needed.

5.3 Shutting Down the Heater

1. Close the main valve on the propane tank completely.
2. Allow the heater to cool down completely before moving or storing.

6. MAINTENANCE

Regular maintenance ensures optimal performance and longevity of your heater.

- **Cleaning:** Keep the heater's exterior clean. Use a soft, damp cloth to wipe surfaces. Do not use abrasive cleaners or solvents.
- **Inspection:** Periodically inspect the hose and regulator for any signs of wear, cuts, or damage. Replace immediately if damage is found.
- **Storage:** When not in use, store the heater in a dry, protected area. Disconnect the propane tank and store it separately according to safety guidelines.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Heater does not ignite	No propane flow; faulty igniter; air in gas line	Check propane tank level and valve; ensure gas line is purged; inspect igniter for damage.
Low heat output	Low propane pressure; control knob setting too low	Check propane tank for adequate pressure; adjust control knob to a higher setting.
Heater shuts off unexpectedly	Overheat protection activated; low oxygen sensor activated; low propane supply	Ensure proper ventilation; check propane supply; allow heater to cool down.

8. SPECIFICATIONS

Feature	Detail
Brand	Dyna-Glo
Model Number	RMC-LPC200DG
Heat Output	50,000 – 200,000 BTUs (Continuously Variable)
Heating Coverage	Up to 4,700 sq. ft.
Fuel Type	Liquid Propane Gas
Special Feature	Portable
Indoor/Outdoor Usage	Indoor (with proper ventilation) / Outdoor Construction/Commercial
Heat Radius	360°
Ignition Type	Piezo Ignition
Electricity Required	No
Included Components	10' Hose and Regulator, Assembly Guide
Item Weight	12.51 pounds
Product Dimensions	17"D x 15.94"W x 26.19"H

9. WARRANTY AND SUPPORT

This Dyna-Glo heater comes with a **1 Year Limited Warranty**. For warranty claims, technical assistance, or to obtain replacement parts, please contact GHP Group Inc. customer service.

- **Manufacturer:** GHP Group Inc.
- **Address:** 6440 W Howard St, Niles, IL 60714-3302
- **Customer Service:** Refer to your Assembly Guide for specific contact information (phone number and website).

ASK A QUESTION ABOUT THIS MANUAL

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Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

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