

# **Propane Construction Heater**

# USER'S INSTALLATION, OPERATION AND MAINTENANCE MANUAL MODELS:

RMC-LPC25DG/DGD/DGP/DGP-01 & LPC25 RMC-LPC80DG/DGD/DGP/DGP-01 RMC-LPC80C/L/L-01 RMC-LPC200L/DG/DGP/DGP-01

(PROPANE, 25,000 BTU/hr) (PROPANE, 80,000 BTU/hr) (PROPANE, 80,000 BTU/hr) (PROPANE, 200,000 BTU/hr)



#### **GENERAL HAZARD WARNING:**

Failure to comply with the precautions and instructions provided with this heater, can result in death, serious bodily injury and property loss or damage from hazards of fire, explosion, burn, asphyxiation, carbon monoxide poisoning and/or electrical shock.

Only persons who can understand and follow the instructions should use or service this heater.

If you need assistance or heater information such as an instruction manual, labels, etc., contact the manufacturer.

#### **CALIFORNIA PROPOSITION 65:**

Fuels used in gas or oil fired appliances and the products of combustion of such fuels, contain chemicals known to the State of California to cause cancer, birth defects or other reproductive harm. This product contains chemicals, including lead and lead compounds, known to the State of California to cause cancer, birth defects or other reproductive harm. *Wash hands after handling.* 

Questions, problems, missing parts? Before returning to your retailer, call our customer service department at 877-447-4768 8:30 a.m. – 4:30 pm CST, Monday – Friday or email us at customerservice@ghpgroupinc.com www.ghpgroupinc.com

#### CONSUMER: RETAIN THIS MANUAL FOR FUTURE REFERENCE.

www.ghpgroupinc.com.

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**IMPORTANT:** Read and understand this manual before assembling, starting or servicing heater. Improper use of heater can cause serious injury. Keep this manual for future reference.

**WARNING:** Using this heater in a residential garage requires that the heater is positioned so that it is protected against any possible damage by a moving vehicle, etc. It must be positioned so that the base of the heater is no less than 18 in (450 mm) above the garage floor or 8 ft (2450 mm) in repair garages. The heater must be placed on a stable surface. Do not place it on a chair, ladder, etc. Raising the heater will reduce BUT NOT eliminate the possibility of lighting the vapor of any flammable liquids which may be improperly stored or accidentally spilled. If the smell of gasoline is present, DO NOT operate this heater until the area has been properly ventilated.

# WARNING: CONSTRUCTION HEATERS ARE NOT FOR USE IN GARAGES IN CANADA.





WARNING: Not for home or recreational vehicle use.

### Specifications

| Convection Heater             |                    |
|-------------------------------|--------------------|
| Fuel Type                     | Propane Vapor Only |
| Ignition Type                 |                    |
| Minimum Operating Temperature |                    |
|                               |                    |

For Technical Support or Troubleshooting, Call: 1-877-447-4768

### **Specifications**

| Model #       |         | ting<br>J <i>l</i> hr.) |                     | el<br>Imption<br>/h) | Supply Manifold<br>Pressure Pressure |         | lgnitor<br>Gap Size |                   |                                    |
|---------------|---------|-------------------------|---------------------|----------------------|--------------------------------------|---------|---------------------|-------------------|------------------------------------|
| ineder "      | High    | Low                     | Minimum             | Maximum              | Maximum                              | Minimum | High                | (Inch)            | (Inch)                             |
| LPC25 Series  | 25,000  | 15,000                  | 0.7<br>(0.32 kg/h)  | 1.16<br>(0.53 kg/h)  | Bottle pressure                      | 5psi    | 11.0" w.c.          | .196<br>(4.98 mm) | 11.7 x 12.87<br>(29.69 x 32.79 cm) |
| LPC80 Series  | 80,000  | 50,000                  | 2.32<br>(1.05 kg/h) | 3.71<br>(1.68 kg/h)  | Bottle pressure                      | 5psi    | 11.0" w.c.          | .196<br>(4.98 mm) | 15.9 x 18.3<br>(40.41 x 46.99 cm)  |
| LPC200 Series | 200,000 | 50,000                  | 2.32<br>(1.05 kg/h) | 9.28<br>(4.21 kg/h)  | Bottle pressure                      | 12psi   | 10psi               | .196<br>(4.98 mm) | 15.9 x 26.2<br>(40.41 x 66.49 cm)  |

### **Safety Information**

The heater is designed for use as a construction heater in accordance with ANSI Z83.7, CSA 2.14. Other standards govern the use of fuel gases and heating products for specific uses. Your local authority can advised you about these. The primary purpose of construction heaters is to provide temporary heating of building under construction, alteration or repair. Properly used, the heater provides safe economical heating. Products of combustion are vented into the area being heated.

We cannot foresee every use which may be made of our heaters. CHECK WITH YOUR LOCAL FIRE SAFETY AUTHORITY IF YOU HAVE QUESTIONS ABOUT HEATER USE.

Other standards govern the use of fuel gases and heat producing products for specific uses. Your local authorities can advise you about these.

**Carbon monoxide poisoning:** Some people are more affected by carbon monoxide than others. Early signs of carbon monoxide poisoning resemble the flu, with headaches, dizziness and/or nausea. If you have these signs, the heater may not be working properly. **Get fresh air at once!** Check for proper ventilation and have heater serviced.

**Propane gas:** Propane gas is odorless. An odor-making agent is added to propane gas. The odor helps you detect a propane gas leak. However, the odor added to propane gas may fade. Propane gas may be present even though no odor exists.

Make certain you read and understand all Warnings. Keep this manual for reference. It is your guide to safe and proper operation of this heater.

- Install and use heater with care. Follow all local ordinances and codes. In the absence of local ordinances and codes refer to the Standard for Storage and Handling of Liquefied Petroleum Gas, ANSI/NFPA 58 and the Natural Gas Installation Code, CSA B149.1. This instructs on the safe storage and handling of propane gas.
- Use only propane gas set up for vapor withdrawal.
- Provide adequate ventilation. Before using heater, provide at least a six-square-foot opening of fresh, outside air. This heater produces carbon monoxide, which is listed by the State of California as a reproductive toxin under Proposition 65.
- For indoor or outdoor use.

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- Do not use heater in occupied dwellings or in living or sleeping quarters.
- Do not use heater in a basement or below ground level.
   Propane gas is heavier than air. If a leak occurs, propane gas may sink to the lowest possible level.
- Keep appliance area clear and free from combustible materials, gasoline, paint thinner and other flammable vapors and liquids. Dust is combustible. Do not use heater in areas with high dust content.
- The heater must be located at least 6 ft. (1.83 m) in the U.S.; or (ii) 10 ft. (3 m) in Canada, from any propane gas container.

### CLEARANCE TO COMBUSTIBLES:

| MODEL | RMC-LPC25      | RMC-LPC80      | RMC-LPC200     |
|-------|----------------|----------------|----------------|
| Sides | 2 ft. (60 cm)  | 2 ft. (60 cm)  | 3 ft. (91 cm)  |
| Тор   | 4 ft. (1.22 m) | 5 ft. (1.52 m) | 6 ft. (1.82 m) |

- Keep propane tank(s) below 100°F (37.8 °C).
- Check heater for damage before each use. Do not use a damaged heater.
- Use only the hose and factory preset regulator provided with the heater.
- Check hose before each use of heater. If highly worn or cut, replace with hose specified by manufacturer before using heater.
- Do not alter heater. Keep heater in its original state.
- Do not use heater if altered
- Locate heater on stable and level surface if heater is hot or operating.
- Not intended for use on finished floors.
- Never block air inlet (bottom of shell) or air outlet (around top of shell) of heater.
- Do not leave heater unattended.
- Keep children and animals away from heater.
- Never move, handle or service a hot or operating heater. Severe burns may result. Wait 15 minutes after turning heater off.
- To prevent injury, wear gloves when handling heater.
- Turn off propane supply to heater when not in use.
- Use only original replacement parts. This heater must use design-specific parts. Do not substitute or use generic parts. Improper replacement parts could cause serious or fatal injuries.



Fig. 1 Convection Heater parts identification.

### Theory of Operation

**The Fuel System:** The hose/regulator assembly attaches to the propane gas supply. This provides fuel to the heater.

**The Ignition System:** The piezo ignitor lights the burner fuel supply on the LPC25/80. The piezo ignites a pilot burner on the LPC200.

The Automatic Control System: The automatic control valve shuts off the heater if the flame goes out.

#### **Propane Supply**

You must provide propane gas and tank(s).

Use this heater only with a propane vapor withdrawal supply system. Installation must conform to local codes or, in the absence of local codes, with the standard for the Storage and Handling of Liquefied Petroleum Gases ANSI/NFPA 58 and the Natural Gas and Propane Installation Code CSA B149.1. Your local library or fire department will have this booklet.

The amount of propane gas ready for use from propane tanks varies. Two factors decide this amount:

- 1. The amount of liquid propane gas in tank(s).
- 2. The temperature of tank(s).

The chart below shows the minimum number of 100pound tanks or one larger tank may be needed in colder weather. Your local propane gas dealer will help you select the proper supply system.

| Average Temp (°F) | Number of Tanks(100 lb.) |       |        |  |
|-------------------|--------------------------|-------|--------|--|
| at Tank Location  | LPC25                    | LPC80 | LPC200 |  |
| 60 °F (15.56 °C)  | 1                        | 1     | 2      |  |
| 40 °F (4.44 °C)   | 1                        | 1     | 2      |  |
| 32 °F (0 °C)      | 1                        | 1     | 2      |  |
| 20 °F (-6.67 °C)  | 1                        | 1     | 2      |  |
| 10 °F (-12.22 °C) | 1                        | 2     | 3      |  |
| 0 °F (-17.78 °C)  | 1                        | 2     | 3      |  |

### Ventilation RMC-LPC25/80

**WARNING:** Provide at least a 2½ square feet (.23 square meters) opening of fresh, outside air while running heater. If proper fresh, outside air ventilation is not provided, carbon monoxide poisoning can occur. Provide proper fresh, outside air ventilation before running heater.

#### RMC-LPC200

**WARNING:** Provide at least a 6 square feet (.56 square meters) opening of fresh, outside air while running heater. If proper fresh, outside air ventilation is not provided, carbon monoxide poisoning can occur. Provide proper fresh, outside air ventilation before running heater.

#### Fresh Outside Air Opening Requirements

| Heater Size    | Opening          |
|----------------|------------------|
| 80,000 BTU/hr  | 2.5 ft² (.23 m²) |
| 200,000 BTU/hr | 6 ft² (.56 m²)   |

### Assembly

Assembly Time: 10 minutes

#### Contents

All Models: Unit, Manual, Hose and Regulator Assembly

#### LPC80 and 200 Series Include:

Upper Shell, Lower Shell and Hardware Kit With Screws (8)

#### **Tools Required for Assembly**

All Models: Adjustable Wrench LPC80 and LPC200 Series: Phillips head screwdriver

#### **Heater Assembly**

- 1. Remove all packing items applied to heater for shipment. Keep plastic cover caps (attached to connector inlet and regulator hose assembly) for storage.
- 2. Remove all items from carton and check for shipping damage. If heater is damaged, promptly inform dealer where you purchased the heater.



# CAUTION: Do not attempt to light heater until fully assembled.



Fig. 2 Slide upper shell assembly up and off lower shell.



Fig. 3 Remove regulator hose assembly, place four screws in bottom holes at top of lower shell.

- 3. Slide upper shell assembly up and off lower shell. LPC80/200 (Fig. 2)
- 4. Remove regulator hose assembly bag from inside base.
- 5. Screw four phillips head screws in place in bottom hole at top of lower shell. LPC80/200 (Fig. 3)
- Place upper shell assembly onto shell lower. Secure with four phillips screws in top hole of lower shell. (Fig. 4)



Fig. 4 Attach top with four phillips screws.

- 7. Provide propane supply system. (Refer to Propane Supply on Page 3)
- 8. Connect fuel gas fittings on regulator hose assembly to propane tank(s). Turn fuel gas fitting counterclockwise into threads on tank. Tighten firmly using a wrench. **IMPORTANT:** Tighten regulator with vent pointing down. Pointing vent down protects regulator from weather damage. (Fig. 5)
- 9. Connect hose to the connector inlet. (Fig. 6) Use a wrench to prevent connector inlet on heater from turning as you tighten firmly using a wrench. You must use the regulator supplied with heater even if propane tank has one.



Fig. 5 Attach regulator with vent pointing down.



slowly. **NOTE:** If not opened slowly, excess-flow check valve on propane tank may stop gas flow. If this happens, you may hear a click inside the regulator assembly, this is the check valve closing. To reset the excess-flow check valve, close propane supply valve and open it again slowly.

10. Open propane supply valve on propane tank(s)

11. Check all connections for leaks. Apply mixture of liqud soap and water to gas joints. Bubbles forming show a leak that must be corrected before using the heater.

Close propane supply valve.

Fig. 6 Hose and connector inlet.

### Operation



WARNING: Review and understand the warnings in the Safety Information section on page 3. They are needed to safely operate this heater. Follow all local codes when using this heater.

### Lighting/Operating Instructions RMC-LPC25/80

#### CAUTION

Due to high surface temperature, keep children, clothing and furniture away.

Keep burner and control compartment clean.

This heater shall not be installed in a bedroom or a bathroom.

#### WARNING

Hot while in operation: Do not touch. Keep children, clothing, furniture, gasoline and other liquids having flammable vapors away.

**NOTE:** On completing the gas line connection, a small amount of air will be trapped in the gas line. When you first light the unit with the pilot light, it is possible that it will take a few minutes to purge the trapped air. Once you have purged the gas line, the pilot and burner will light and operate normally. Subsequent lightings of the appliance will not require purging the gas line.

- 1. Stop! Read the safety information on side of heater.
- 3. Turn propane supply valve on by turning tank valve counterclockwise /
- 4. Depress control knob and turn counterclockwise to "LOW/IGN" position to light burner.
- If burner does not light, turn knob to the "OFF" (○) position and repeat Step 4. Keep control knob depressed for approximately 10 to 15 seconds, release control knob.
- 6. If flame burner goes out, wait 5 minutes then repeat steps 4 and 5.
- With burner operating, the control knob may be turned counterclockwise 
  to desired heating level between "LOW" and "HIGH."

### To Turn Off Appliance

- 1. Turn control knob clockwise  $\frown$  to "OFF"  $\bigcirc$  position.
- 2. Turn propane supply valve off by turning fully clockwise



Fig. 7 Convection Heater control knob.

### Lighting/Operating Instructions RMC-LPC200



WARNING: BEFORE LIGHTING PILOT, close main burner valve (by rotating the handle clockwise).

# Start: Read Safety Information before starting the heater.

- Fully open the valve on the propane cylinder counter clockwise 
   And wait 15 seconds before proceeding to step 2.
- 2. Depress the red button on safety pilot valve admitting gas to the pilot. Push and release the ignition button until the pilot lights.
- **3.** When the pilot lights, continue to hold button depressed for the 30 seconds then release.
- **4.** If pilot goes out, wait 5 minutes and repeat lighting procedure.

5. When the pilot remains lit, open main burner valve to operate heater. Partially close valve to regulate heat output.

#### STOP:

- 1. Securely close valve on the propane cylinder.
- 2. Close main burner valve.

#### **RESTART AFTER SAFETY SHUTDOWN**

- 1. Securely close valve at propane cylinder.
- 2. Wait 5 minutes.
- **3.** Restart following "Start" procedure.

### Troubleshooting

#### RMC-LPC25/80/200 Propane Convection Heater



WARNING: Never attempt to service heater while it is connected, operating or hot. Severe burns can occur.

| Symptom  | Possible Cause  | Remedy  |  |
|--|---|---|--|
| Burner fails to light  | <ol> <li>Propane supply valve closed on<br/>propane tank(s).</li> <li>Excess-flow check valve closed.</li> <li>Blockage in burner nozzle.</li> <li>Piezo ignition system not<br/>sparking.</li> </ol> | <ol> <li>Open propane supply valve<br/>slowly.</li> <li>Close propane supply valve on<br/>propane tank and reopen slowly.</li> <li>Replace burner nozzle.</li> <li>Check to assure ignitor electrode<br/>gap is .196" (4.98 mm). Check<br/>wire lead for damage.</li> </ol> |  |
| Burner lights but goes out when<br>automatic control valve button is<br>released | <ol> <li>Not enough warm-up time.</li> <li>Low gas pressure.</li> <li>Thermocouple loose or needs to<br/>be replaced.</li> <li>Automatic control valve needs to<br/>be replaced.</li> </ol>           | <ol> <li>Relight, hold automatic control<br/>valve button in 45 seconds.</li> <li>Check propane tank(s) for<br/>proper gas supply.</li> <li>Tighten connection or replace<br/>thermocouple.</li> <li>Replace automatic control valve.</li> </ol>                            |  |
| Burn rate is low   | <ol> <li>Main burner valve not fully open.</li> <li>Plugged gas orifices.</li> <li>Low gas pressure.</li> <li>Low fuel supply.</li> </ol>   | <ol> <li>Fully open main burner valve<br/>by turning control knob towards<br/>HIGH position until it stops.</li> <li>Replace gas orifice.</li> <li>Check gas supply; check<br/>regulator output.</li> <li>Consult propane gas supplier.</li> </ol>                          |  |

### Maintenance



WARNING: Never attempt to service heater while it is connected to propane supply, operating or hot. Severe burns can occur.

- 1. Keep heater clean.
- 2. Inspect heater before each use. Check connections for leaks. Apply mixture of liquid soap and water to connections. Bubbles forming show a leak that must be corrected. Correct all leaks at once.
- 3. Inspect regulator hose assembly before each use. If hose is highly worn or cut, replace with hose specified by manufacturer.
- 4. Have heater inspected yearly by a qualified service person.

#### Storage



# CAUTION: Disconnect heater from propane supply tank(s).

- 1. Store propane tank(s) in safe manner. Refer to Chapter 5 of Standard for Storage and handling of Liquefied Petroleum Gases, ANSI/NFPA 58, and the Natural Gas and Propane Installation Code CSA B149.1. Follow all local codes. Always store propane tanks outdoors.
- 2. Place plastic cover caps over brass fittings on connector inlet and regulator hose assembly.
- 3. Store in a dry, clean and safe place.

### **Replacement Parts**

Warning: Use only original replacement parts. This Heater must use design-specific parts. Do not substitute or use generic parts. Improper replacement parts could cause serious or fatal injuries.

## This will also protect your warranty coverage for parts replaced under warranty.

Parts warranty and non-warranty: Contact authorized dealers of this product. If they can not supply original replacement part(s), either contact your nearest Parts Central or GHP Group Inc., Technical Service Department at 1-877-447-4768.

When calling GHP Group Inc., have ready:

- your name
- your address
- · how heater was malfunctioning
- serial number of heater
- model number of heater
- replacement part number

#### **Replacement Parts for RMC-LPC25 Series** Ζ CED EL Ð MF و Z E) Q

#### **Replacement Parts List**

GHP Group Inc., reserves the right to make changes in design, materials, specifications, prices and discontinue colors and products at any time, without notice.

| Ref. No | Description                        | Quantity    | RMC-LPC25        |
|---------|------------------------------------|-------------|------------------|
| 1.      | Base                               | 1           | CFM25.00-01A     |
| 2.      | Outer Shell                        | 1           | CFM25.01-01      |
| 3.      | Сар                                | 1           | CFM25.01-02      |
| 4.      | Burner Assy                        | 1           | CFM25.02         |
| 5.      | Ignitor Electrode                  | 1           | CFM25.09-04B     |
| 6.      | Thermocouple                       | 1           | 1130/1396/210    |
| 7.      | Inlet Fitting                      | 1           | CFM25.03         |
| 8.      | Gas Inlet Tube                     | 1           | CFM25.04         |
| 9.      | Elbow Fitting                      | 1           | CFM40.15         |
| 10.     | Main Gas Tubing                    | 1           | CFM25.05         |
| 11.     | Main Gas Tube                      | 1           | CFM25.05         |
| 12.     | Lock Nut                           | 1           | CFM80.04-02      |
| 13.     | Valve Nut                          | 1           | CFM80.04-03      |
| 14.     | Nozzle Holder                      | 1           | CFM25.07         |
| 15.     | Nozzle Fix Nut                     | 1           | CFM25.10         |
| 16.     | Nozzle                             | 1           | CFM25.06         |
| 17.     | Pilot Mounting                     | 1           | CFM40.07-01      |
| 18.     | Knob                               | 1           | CFM80.00-10      |
| 19.     | Valve Assy                         | 1           | GS22-LPC25       |
| 20.     | Bracket                            | 1           | CFM80.03-01      |
| 01      | Regulator & Hose Assy 10' (3.05 m) | 1           | KR10601-10-31    |
| 21.     | Regulator & Hose Assy 15' (4.57 m) | 1           | KR10601-15-31    |
| 22.     | Inlet Cap                          | 1           | SPC-80VCB.006BZH |
|         | AVAILABI                           | E PARTS NOT | SHOWN            |
| 23.     | Screw                              | 2           | M4*7             |
| 24.     | Screw-Tapping Screw                | 4           | ST4.2*6.6        |
| 25.     | Screw                              | 7           | ST4.2*9          |



WARNING: Use only original replacement parts. This heater must use design-specific parts. Do not substitute or use generic parts. Improper replacement parts could cause serious or fatal injuries. This will also protect your warranty coverage for parts replaced under warranty.

## Replacement Parts for RMC-LPC80 Series



#### **Replacement Parts List**

GHP Group Inc., reserves the right to make changes in design, materials, specifications, prices and discontinue colors and products at any time, without notice.

| 1.         2.         3.         4.         5.         6.         7.         8.         9.         10.         11.         12.         13.         14.         15.         16. | Base<br>Lower Shell<br>Inner Shell<br>Pilot Mounting<br>Inlet Fitting<br>Fix Nut<br>Nozzle<br>Nozzle Holder<br>Knob<br>Upper Shell Assy<br>Upper Shell<br>Cap | 1       1       1       1       2       1       1       1       1       1       1       1       1       1       1       1       1       1 | CFM80.00-01A           CFM80.00-02           CFM80.00-03           CFM80.00-05           CFM80.00-06           CFM80.00-07A           CFM80.00-08           CFM80.00-09           CFM80.00-010 |
|--|---|---|--|
| 3.         4.         5.         6.         7.         8.         9.         10.         11.         12.         13.         14.         15.         16.                       | Inner Shell<br>Pilot Mounting<br>Inlet Fitting<br>Fix Nut<br>Nozzle<br>Nozzle Holder<br>Knob<br>Upper Shell Assy<br>Upper Shell                               | 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1   | CFM80.00-03<br>CFM80.00-05<br>CFM80.00-06<br>CFM80.00-07A<br>CFM80.00-08<br>CFM80.00-09<br>CFM80.00-09   |
| 4.         5.         6.         7.         8.         9.         10.         11.         12.         13.         14.         15.         16.                                  | Pilot Mounting<br>Inlet Fitting<br>Fix Nut<br>Nozzle<br>Nozzle Holder<br>Knob<br>Upper Shell Assy<br>Upper Shell  | 1 1 1 1 2 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1   | CFM80.00-05<br>CFM80.00-06<br>CFM80.00-07A<br>CFM80.00-08<br>CFM80.00-09<br>CFM80.00-010   |
| 5.         6.         7.         8.         9.         10.         11.         12.         13.         14.         15.         16.   | Inlet Fitting<br>Fix Nut<br>Nozzle<br>Nozzle Holder<br>Knob<br>Upper Shell Assy<br>Upper Shell  | 1 1 2 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1   | CFM80.00-06<br>CFM80.00-07A<br>CFM80.00-08<br>CFM80.00-09<br>CFM80.00-010  |
| 6.         7.         8.         9.         10.         11.         12.         13.         14.         15.         16.  | Fix Nut<br>Nozzle<br>Nozzle Holder<br>Knob<br>Upper Shell Assy<br>Upper Shell   | 1 2 1<br>1 1<br>1 1<br>1 1<br>1 1   | CFM80.00-07A<br>CFM80.00-08<br>CFM80.00-09<br>CFM80.00-010   |
| 7.         8.         9.         10.         11.         12.         13.         14.         15.         16.   | Nozzle<br>Nozzle Holder<br>Knob<br>Upper Shell Assy<br>Upper Shell  | 2 1<br>1 1<br>1 1<br>1 1  | CFM80.00-08<br>CFM80.00-09<br>CFM80.00-010   |
| 8.           9.           10.           11.           12.           13.           14.           15.           16.  | Nozzle Holder<br>Knob<br>Upper Shell Assy<br>Upper Shell  | 1<br>1<br>1<br>1<br>1   | CFM80.00-09<br>CFM80.00-010  |
| 9.           10.           11.           12.           13.           14.           15.           16.   | Knob<br>Upper Shell Assy<br>Upper Shell   | 1<br>1<br>1   | CFM80.00-010   |
| 10.           11.           12.           13.           14.           15.           16.  | Upper Shell Assy<br>Upper Shell   | 1 1   |  |
| 11.<br>12.<br>13.<br>14.<br>15.<br>16.   | Upper Shell   | 1   |  |
| 12.<br>13.<br>14.<br>15.<br>16.  |   |   | CFM80.01   |
| 13.           14.           15.           16.  | Cap   | 1   | CFM80.01-01  |
| 14.<br>15.<br>16.  |   | 1   | CFM80.01-02  |
| 15.<br>16.   | Burner Ring   | 1   | CFM80.02-02  |
| 16.  | Burner Bracket  | 1   | CFM80.02-01  |
|  | Valve Assy  | 1   | GS22-LPC80   |
|  | Gas Inlet Tubing  | 1   | CFM80.04   |
| 17.  | Locked Nut  | 1   | CFM80.04-02  |
| 18.  | Valve Nut   | 1   | CFM80.04-03  |
| 19.  | Gas Inlet Tube  | 1   | CFM80.04   |
| 20.  | Main Gas Tubing   | 1   | CFM80.05   |
| 21.  | Ignitor Electrode   | 1   | CFM80.06B  |
| 22.  | Elbow Fitting   | 2   | CFM40.15   |
| 23.  | Bracket   | 1   | CFM80.03-01  |
| 24.  | Thermocouple  | 1   | 1130/1396-210  |
| 25.  | Regulator & Hose Assy 10' (3.05 m)  | 1   | GR109-10-31  |
| 25.  | Regulator & Hose Assy 15' (4.57 m)  | 1   | GR109-15-31  |
| 26.  | Inlet cap   | 1   | SPC-80VCB.006BZH   |
|  | AVAILABL  | E PARTS NOT SI  | HOWN   |
| 27.  | Screw   | 2   | M4*7   |
| 28.  | Self-Tapping Screw  | 4   | ST4.2*6.6  |
| 29.  | Screw   | 15  | ST4.2*9  |



WARNING: Use only original replacement parts. This heater must use design-specific parts. Do not substitute or use generic parts. Improper replacement parts could cause serious or fatal injuries. This will also protect your warranty coverage for parts replaced under warranty.

### **Replacement Parts for RMC-LPC200 Series**



#### **Replacement Parts List**

GHP Group Inc., reserves the right to make changes in design, materials, specifications, prices and discontinue colors and products at any time, without notice.

| Ref. No | Description                        | Quantity       | RMC-LPC200     |
|---------|------------------------------------|----------------|----------------|
| 1.      | Base                               | 1              | CFM200.00-01A  |
| 2.      | Lower Shell                        | 1              | CFM200.00-03   |
| 3.      | Inner Shell                        | 1              | CFM80.00-03    |
| 4.      | Upper Shell Assy                   | 1              | CFM200.01      |
| 5.      | Upper Shell                        | 1              | CFM200.01-01   |
| 6.      | Сар                                | 1              | CFM80.01-02    |
| 7.      | Burner Ring                        | 1              | SPC-80VCB.401  |
| 8.      | Burner Bracket                     | 1              | CFM200.15-01   |
| 9.      | Ball Valve Handle                  | 1              | CFM200.00-06   |
| 10.     | Ball Valve Assy                    | 1              | GQ01           |
| 11.     | Pilot Mounting                     | 1              | CFM80.00-05    |
| 12.     | Inlet Fitting                      | 1              | CFM200.00-02   |
| 13.     | Gas Inlet Tube                     | 1              | CFM200.00-010  |
| 14.     | Fix Nut                            | 1              | CFM80.00-07    |
| 15.     | Valve Fix Nut                      | 1              | SPC35.07-07B   |
| 16.     | Nozzle                             | 1              | CFM200.00.04   |
| 17.     | Nozzle Holder                      | 1              | CFM80.00-09    |
| 18.     | Main Gas Tubing                    | 1              | CFM200.02      |
| 19.     | Ignition Control                   | 1              | SPC694         |
| 20.     | Ignitor Electrode                  | 1              | CFM200.14      |
| 21.     | Thermocouple                       | 1              | 1130/1496-210  |
| 22.     | Control Valve                      | 1              | GS16           |
| 00      | Regulator & Hose Assy 10' (3.05 m) | 1              | GR108-10-25    |
| 23.     | Regulator & Hose Assy 15' (4.57 m) | 1              | GR108-15-25    |
| 24.     | Pilot Tubing                       | 1              | CFM200.10.00   |
| 25.     | Elbow Fitting                      | 1              | SPC80VCB.105   |
| 26.     | Pilot Nozzle                       | 1              | CFM200.11      |
| 27.     | Pilot Tube                         | 1              | CFM200.12      |
| 28.     | Pilot Burner Head                  | 1              | SPC-225VCB 132 |
| 29.     | Pilot Mounting                     | 1              | CFM200.13      |
|         |                                    | E PARTS NOT SH | HOWN           |
| 30.     | Screw                              | 17             | ST4.2*8        |



WARNING: Use only original replacement parts. This heater must use design-specific parts. Do not substitute or use generic parts. Improper replacement parts could cause serious or fatal injuries. This will also protect your warranty coverage for parts replaced under warranty.

## Warranty

#### LIMITED WARRANTY:

This limited warranty is extended to the original retail purchaser of this Forced Air/Convection/Radiant Heater and warrants against any defect in materials and workmanship for a period of one (1) year from the date of retail sale (lifetime warranty for the brass nozzle burner only). GHP Group, Inc., at it's option, will either provide replacement parts or replace or repair the unit, when properly returned to the retailer where purchased or one of our service centers as directed by GHP Group, Inc., within one (1) year of retail purchase. (Shipping costs, labour costs, etc. are the responsibility of the purchaser.)

#### DUTIES OF THE OWNER:

This heating appliance must be operated in accordance with the written instructions furnished with this heater. This warranty shall not excuse the owner from properly maintaining this heater in accordance with the written instructions furnished with this heater. A bill of sale, canceled check or payment record must be kept to verify purchase date and establish warranty period. Original carton should be kept in case of warranty return of unit.

#### WHAT IS NOT COVERED:

- 1. Damage resulting from use of improper fuel.
- 2. Damage caused by misuse or use contrary to the owners manual and safety guidelines.
- 3. Damage caused by a lack of normal maintenance.
- 4. Fuses

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- 5. Use of non-standard parts or accessories.
- 6. Damage caused in transit. Freight charges on warranty parts or heaters to and from the factory shall be the responsibility of the owner.

This warranty does not imply or assume any responsibility for consequential damages that may result from the use, misuse, or the lack of routine maintenance of this heating appliance. A cleaning fee and the cost of parts may be charged for appliance failures resulting from lack of maintenance. This warranty does not cover claims which do not involve defective workmanship or materials. **FAILURE TO PERFORM** 

#### GENERAL MAINTENANCE (INCLUDING CLEANING) WILL VOID THIS WARRANTY.

THIS LIMITED WARRANTY IS GIVEN TO THE PURCHASER IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY OF FITNESS FOR A PARTICULAR PURPOSE. THE REMEDY PROVIDED IN THIS WARRANTY IS EXCLUSIVE AND IS GRANTED IN LIEU OF ALL OTHER REMEDIES. IN NO EVENT WILL GHP GROUP, INC. BE LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES.

Some states do not allow limitations on how long an implied warranty lasts, so the above limitation may not apply to you. Some states do not allow the exclusion or limitation of incidental or consequential damages so the above limitation or exclusion may not apply to you.

#### **CLAIMS HANDLED AS FOLLOWS:**

- 1. Contact your retailer and explain the problem.
- 2. If the retailer is unable to resolve the problem, contact our Customer Service Dept. detailing the heater model, the problem, and proof of date of purchase.
- 3. A representative will contact you. DO NOT RETURN THE HEATER TO GHP GROUP, INC. unless instructed by our Representative. This warranty gives you specific legal rights and you may also have other rights which vary from state to state.

|   | WARRANTY ON YOUR HE<br>AYS FROM DATE OF PUR | ,              |                    |               |      |
|---|---|----------------|--------------------|---------------|------|
| NAME:   | PHONE: (                                    | )              | EM                 | AIL:          |      |
| ADDRESS:  | CITY:                                       |                | ST                 | ATE:          | ZIP: |
| MODEL: SERIA  | AL #:                                       |                | DATE               | PURCHASE      | D:   |
| DEALER PURCHASED FROM:  |   |                | TYPE OF ST         | ORE:          |      |
| CITY & STATE WHERE PURCHASED: _   |   |                | PR                 | ICE PAID:     |      |
| Please Ta   | ke a Minute To Give Us Y                    | our Answer     | To The Following   | Questions.    |      |
| All Responses   | Are Used Solely For Mark                    | ket Research   | And Are Held In St | rict Confider | nce. |
| Who primarily decided this purchase?  |   |                |                    | □ 60 and o    | ver  |
| Do you own any other portable heaters?  | □ Yes □ No If yes, type                     |                |                    | orand         |      |
| How do you intend to use your new heate<br>How did you become aware of this heate | r? 🛛 In-Store Display                       | □ Newspap      | er Ad 🛛 🗆 Magazine |               |      |
| □ TV Commercial □ Store Salesperso  |   |                |                    |               |      |
| What made you select this heater? $\Box$ S  | ityle   Size/Portability                    | Price          | Package 🗆 Brand    | d 🗆 Other     |      |
| Do you: □ own □ rent Would you reco   |   | end? 🗆 Yes     | 🗆 No               |               |      |
| Please give us your comments:   |   |                |                    |               |      |
|   | THANK YOU FOR (                             |                |                    |               |      |
|   | Information wi                              | II be held cor | nfidential.        |               |      |
|   |   |                |                    |               |      |

## WARRANTY REGISTRATION

IMPORTANT: We urge you to fill out your warranty registration card within fourteen (14) days of date of purchase. You can also register your warranty on the internet at www.ghpgroupinc.com. Complete the entire serial number. Retain this portion of the card for your records.



**GHP Group, Inc.** 6440 W Howard St Niles, IL 60714-3302

Tel: (877) 447–4768 www.ghpgroupinc.com

### SAVE THIS CARD!



For Technical Support or Troubleshooting, Call: 1-877-447-4768