The IDEAL burner for even the toughest applications
Carlin EZ-Gas Power Gas Burner

**Features**
- Converts from propane to natural gas with just an orifice change — no conversion kit needed
- Fires negative or positive chambers from 50,000 to 275,000 Btuh input
- Provides dependable, direct-spark ignition of main flame — for quick, clean light-offs
- Comes standard with time-tested solid state ignition and state-of-the-art microprocessor control technology
- Factory-packaged with combustion control and gas fuel train
- Shipped completely assembled and wired — for "EZ" installation and start-up
- Diagnostic LED lights annunciate operating mode: Self-check, Flame-on, Recycle, Lockout and Latch-up
- High-efficiency, compact flame pattern design ensures clean, quiet operation
- Does not require a refractory liner — fires with or without a combustion chamber
- Available with custom welded air tube flange (and/or optional pedestal) to accommodate most appliance mounting requirements
- Includes 1-year warranty

**Specifications**
- **Input**
  - 50,000 to 275,000 Btuh
- **Fuels**
  - Natural gas or propane gas
  - Maximum supply pressure: 14 inches w.c.
  - Minimum supply pressure: 5.0 inches w.c.
  - Manifold pressure: 3.5 inches w.c.
- **Electrical**
  - Power: 120 VAC/60 Hz/1-PHASE
  - Limit circuit input: 120 VAC/60 Hz
  - Motor: 1/15 HP, 3450 RPM
  - Current: Approximately 2.0 AMPS
  - Fuel valve power: 120 VAC/60 Hz
- **Ignition**
  - Carlin Model 41800 solid state electronic ignitor
  - Ignition voltage: 9,000 VOLTS
- **Control**
  - Carlin Model 60200FR microprocessor control
  - 4-sec. Trial for ignition (TFI)
  - 1.3-sec. FFRT
  - Pre-purge and post-purge
  - Serviceman reset protection (Latch-up after three consecutive lock-outs)
  - Interrupted duty ignition
  - Recycle on flame failure
- **Agencies**
  - UL Listed (United States) ... per ANSI Z21.17
  - MEA approval ... #137-05-E

**Orifice selection**

<table>
<thead>
<tr>
<th>Input</th>
<th>Orifice drill size</th>
<th>Air band</th>
</tr>
</thead>
<tbody>
<tr>
<td>Btuh</td>
<td>Natural gas</td>
<td>Propane gas</td>
</tr>
<tr>
<td>50,000</td>
<td>5/32</td>
<td>1/8</td>
</tr>
<tr>
<td>75,000</td>
<td>3/16</td>
<td>9/64</td>
</tr>
<tr>
<td>100,000</td>
<td>7/32</td>
<td>11/64</td>
</tr>
<tr>
<td>125,000</td>
<td>1/4</td>
<td>13/64</td>
</tr>
<tr>
<td>150,000</td>
<td>9/32</td>
<td>7/32</td>
</tr>
<tr>
<td>175,000</td>
<td>5/16</td>
<td>1/4</td>
</tr>
<tr>
<td>200,000</td>
<td>5/16</td>
<td>1/4</td>
</tr>
<tr>
<td>225,000</td>
<td>11/32</td>
<td>9/32</td>
</tr>
<tr>
<td>250,000</td>
<td>13/32</td>
<td>5/16</td>
</tr>
<tr>
<td>275,000</td>
<td>7/16</td>
<td>11/32</td>
</tr>
</tbody>
</table>

Note: Air band setting is approximate only. Follow burner manual and appliance manual instructions to adjust burner using combustion test instruments.

**Wiring**

Carlin part number MNEZGAS1 Rev. 08/14/12