### Parameter Specifications

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Natural Gas</th>
<th>Propane</th>
<th>Butane</th>
</tr>
</thead>
<tbody>
<tr>
<td>Maximum Input BTU/hr (kW)</td>
<td>2,000,000 (586)</td>
<td>2,000,000 (586)</td>
<td>2,000,000 (586)</td>
</tr>
<tr>
<td>Minimum Input, On-Ratio BTU/hr (kW)</td>
<td>200,000 (59)</td>
<td>200,000 (59)</td>
<td>200,000 (59)</td>
</tr>
<tr>
<td>Gas Inlet Pressure Required &quot;w.c. (mbar) Fuel Pressure at Gas Inlet&lt;br&gt;(Tap &quot;B&quot; - see page 3)</td>
<td>Ambient&lt;br&gt;Combustion Air Temp</td>
<td>7.1 (17.6)</td>
<td>8.5 (21.1)</td>
</tr>
<tr>
<td>300°F (150°C)</td>
<td>8.7 (21.6)</td>
<td>10.5 (26.1)</td>
<td>8.9 (22.1)</td>
</tr>
<tr>
<td>700°F (370°C)</td>
<td>11.6 (28.7)</td>
<td>14.1 (35.1)</td>
<td>12.5 (31.1)</td>
</tr>
<tr>
<td>1000°F (540°C)</td>
<td>13.7 (34.1)</td>
<td>16.8 (41.8)</td>
<td>15.2 (37.9)</td>
</tr>
<tr>
<td>Air Inlet Pressure Required &quot;w.c. (mbar) 15% Excess Air at Maximum Input&lt;br&gt;(Tap &quot;A&quot; - see page 3)</td>
<td>Ambient&lt;br&gt;Combustion Air Temp</td>
<td>7.8 (19.4)</td>
<td>7.8 (19.4)</td>
</tr>
<tr>
<td>300°F (150°C)</td>
<td>11.2 (27.9)</td>
<td>11.2 (27.9)</td>
<td>11.2 (27.9)</td>
</tr>
<tr>
<td>700°F (370°C)</td>
<td>17.1 (42.6)</td>
<td>17.1 (42.6)</td>
<td>17.1 (42.6)</td>
</tr>
<tr>
<td>1000°F (540°C)</td>
<td>21.5 (53.6)</td>
<td>21.5 (53.6)</td>
<td>21.5 (53.6)</td>
</tr>
<tr>
<td>High Fire Flame Length Inches (mm)&lt;br&gt;(Measured from End of Combustor)</td>
<td>&lt;36.0 (915)</td>
<td>&lt;32.0 (810)</td>
<td>&lt;32.0 (810)</td>
</tr>
<tr>
<td>Flame Detection</td>
<td>UV scanner available for all combustors.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fuel</td>
<td>Natural gas, propane, or butane</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

- All information is based on laboratory testing in neutral (0.0" w.c.) pressure chamber. Different chamber size and conditions may affect the data.
- All information is based on standard combustor design. Changes in combustor will alter performance and pressures.
- All inputs based upon gross calorific values.
- Eclipse reserves the right to change the construction and/or configuration of our products at any time without being obliged to adjust earlier supplies accordingly.
- Plumbing of air and gas will affect accuracy of orifice readings. All information is based on generally acceptable air and gas piping practices.
Emissions from the burner are influenced by:

- Fuel type
- Combustion air temperature
- Firing rate
- Chamber conditions
- Percent of excess air

For estimates of other emissions, contact Eclipse.
Eclipse Model TJPCA0200 V2, Data 206-7, 4/26/2010

Dimensions in inches (mm)

Burner Housing

- Ø8.66 (220)
- 4 x Ø0.47 (12)
- Ø7.48 (190)

Gas Inlet

Air Inlet

Do not install the burner with the gas inlet rotated 90° clockwise with respect to the air inlet if operating on Natural Gas and using a flamerod.

Burner weight less combustor: 42 lbs (19 kg)

Tap “D”
Tap “B”

Tap “A”
Tap “C”

Tap Locations

1/2” NPT
UV Scanner Adapter

1-1/2” NPT or BSP

3” NPT or BSP

Spark Plug M14

4 x Ø0.47 (12)

Ø7.48 (190)

3.19 (81)

5.51 (140)

4.13 (105)

3.62 (92)

9.41 (239)

0.31 (8)

Heat Exchanger Tap Locations

Do not install the burner with the gas inlet rotated 90° clockwise with respect to the air inlet if operating on Natural Gas and using a flamerod.

Burner Housing

Tap “D”
Tap “B”

Tap “A”
Tap “C”

1/2” NPT
UV Scanner Adapter

1-1/2” NPT or BSP

3” NPT or BSP

Spark Plug M14

4 x Ø0.47 (12)

Ø7.48 (190)

3.19 (81)

5.51 (140)

4.13 (105)

3.62 (92)

9.41 (239)

0.31 (8)
Combustor
Exhaust Outlet Diameter: Medium Velocity Ø4.13 (105)

Alloy Tube (AISI 310)
Weight: 4.2 lbs (1.9 kg)
Maximum Chamber Temp: 1,750°F (940°C)
(Not suitable for preheated air over 700°F)

Silicon Carbide Tube
Weight: 3.1 lbs (1.5 kg)
Maximum Chamber Temp: 2,200°F (1200°C)

Refractory Block
(w/330 SS Wrapper)
Weight: 66 lbs (30 kg)
Maximum Chamber Temp: 2,800°F (1538°C)