### Main Specifications

<table>
<thead>
<tr>
<th>PARAMETER</th>
<th>BLOWER SIZE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Blower Type</td>
<td>6&quot; w.c. Packaged (60Hz)</td>
</tr>
<tr>
<td>Maximum Input (Btu/hr)</td>
<td>440,000</td>
</tr>
<tr>
<td>Minimum Input (Btu/hr)</td>
<td>28,000</td>
</tr>
<tr>
<td>Air Inlet Pressure (&quot;w.c.) @Max. Input</td>
<td>7.7</td>
</tr>
<tr>
<td>- Air pressure at burner inlet (Tap &quot;A&quot;)</td>
<td>11.5</td>
</tr>
<tr>
<td>Main Gas Pressure (&quot;w.c.&quot;) into regulator</td>
<td>27.7</td>
</tr>
<tr>
<td>- Max.</td>
<td>27.7</td>
</tr>
<tr>
<td>- Min.</td>
<td>10</td>
</tr>
<tr>
<td>Tube Backpressure (&quot;w.c.&quot;)</td>
<td>1.6</td>
</tr>
<tr>
<td>Weight-less actuator (lbs)</td>
<td>95</td>
</tr>
<tr>
<td>CO emissions (ppm)</td>
<td>&lt;100</td>
</tr>
<tr>
<td>Piping</td>
<td>N.P.T. or B.S.P.</td>
</tr>
<tr>
<td>Flame Detection</td>
<td>Flamerod or U.V. Scanner.</td>
</tr>
<tr>
<td>Fuel (1)</td>
<td>Natural gas, Propane, Butane</td>
</tr>
<tr>
<td></td>
<td><em>For any other mixed gas, contact Eclipse for orifice sizing.</em></td>
</tr>
</tbody>
</table>

(1) Different fuels require different nozzles and orifices.

• All information is based on laboratory testing with a tube effective length of 22 feet. Different tube sizes and conditions may affect the data.

• All information is based on standard tube design. Changes in the tube will alter performance and pressures.

• All inputs based upon gross caloric 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.
Performance Data

Typical Operational Curve & Ignition Zone
(Nat. Gas, Propane & Butane)

Low Fire
28,000 Btu/hr.
(Regardless of Blower)

High Fire:
440,000 Btu/hr (6" w.c. Blower)
550,000 Btu/hr (10" w.c. Blower)
850,000 Btu/hr (Remote Blower)

Typical Operational Curve & Ignition Zone
( Nat. Gas, Propane & Butane)

Input as a percentage from low fire to high fire

% Excess Air

Gas Orifice $\Delta P$ vs. Input
Measured from Tap "B" to Tap "D"

- Natural Gas
- Propane Gas
- Butane Gas

Air Orifice $\Delta P$ vs. Input @ 3% $O_2$
Measured from Tap "A" to Tap "C"

- Natural Gas
- Propane Gas
- Butane Gas

Input $\times 1000$ Btu/hr.

Pressure Drop ("wc")
**Dimensions & Specifications**
Dimensions in mm (inches)

<table>
<thead>
<tr>
<th></th>
<th>A (60Hz)</th>
<th>A (50Hz)</th>
<th>B</th>
<th>C</th>
<th>D</th>
</tr>
</thead>
<tbody>
<tr>
<td>Low Pressure Blower</td>
<td>324 (12.74)</td>
<td>291 (11.44)</td>
<td>234 (9.20)</td>
<td>638 (25.08)</td>
<td>430 (16.91)</td>
</tr>
<tr>
<td>High Pressure Blower</td>
<td>353 (13.88)</td>
<td>291 (11.44)</td>
<td>255 (10.02)</td>
<td>698 (27.45)</td>
<td>490 (19.27)</td>
</tr>
</tbody>
</table>

**Remote Blower**

- 1" NPT or BSP Gas Inlet
- 2-1/2" NPT or BSP Air Inlet
- 96.89 SQ. (3.81)
- Tap "B"
- Tap "A"
- Tap "C"
- Tap "D"

**View A A**
- ø200 (7.87)
- ø86.5 (3.41)
- 4x ø12 (.47)
- 45°
- 4x90°

**Diagram**
- 1" NPT or BSP (Gas Inlet)
- 301 (11.84)
- 352 (13.84)
- Adapter to tank wall 101.6 (4) Max.
- Remote Blower
- 289 (11.37)
- 169 (6.65)
- 403.5 (15.78)
- 42 (1.65)