### Main Specifications

<table>
<thead>
<tr>
<th>PARAMETER</th>
<th>BLOWER SIZE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Blower Type</td>
<td>6” w.c. Packaged (60Hz)</td>
</tr>
<tr>
<td>Maximum Input (Btu/hr)</td>
<td>830,000</td>
</tr>
<tr>
<td>Minimum Input (Btu/hr)</td>
<td>100,000</td>
</tr>
<tr>
<td>Air Inlet Pressure (&quot;w.c&quot;) @Max. Input</td>
<td>7.8</td>
</tr>
<tr>
<td>Main Gas Pressure (&quot;w.c&quot;) into regulator</td>
<td>Max. 125, Min. 10</td>
</tr>
<tr>
<td>Tube Backpressure (&quot;w.c.)</td>
<td>3.0</td>
</tr>
<tr>
<td>Weight-less actuator (lbs)</td>
<td>115</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>
</tbody>
</table>

(1) Different fuels require different nozzles and orifices.

- All information is based on laboratory testing with a tube effective length of 51.75 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)

% Excess Air

Input as a percentage from low fire to high fire

Low Fire
100,000 Btu/hr.
(Regardless of Blower)

High Fire:
830,000 Btu/hr (6" w.c. Blower)
1,000,000 Btu/hr (10" w.c. Blower)
1,800,000 Btu/hr (Remote Blower)

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

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

Natural Gas
Propane Gas
Butane Gas

Input x1000 Btu/hr.
**Dimensions & Specifications**

*Dimensions in mm (inches)*

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**Remote Blower**

- **1-1/2” NPT or BSP Gas Inlet**
- **110 SQ (4.33)**
- **3” NPT or BSP Air Inlet**
- **100 (3.94)**
- **198 (7.8)**
- **491 (19.3)**

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**Table:**

<table>
<thead>
<tr>
<th></th>
<th>A 60Hz</th>
<th>A 50 Hz</th>
<th>C 60Hz</th>
<th>C 50 Hz</th>
<th>D 60Hz</th>
<th>D 50 Hz</th>
</tr>
</thead>
<tbody>
<tr>
<td>Low Pressure Blower</td>
<td>374 (14.70)</td>
<td>315 (12.38)</td>
<td>263 (10.34)</td>
<td>725 (28.50)</td>
<td>452 (17.77)</td>
<td></td>
</tr>
<tr>
<td>High Pressure Blower</td>
<td>404 (15.88)</td>
<td>348 (13.68)</td>
<td>304 (11.95)</td>
<td>786 (30.90)</td>
<td>512 (20.13)</td>
<td></td>
</tr>
</tbody>
</table>

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Note: See Remote Blower drawing below for Tap locations.