### Main Specifications

<table>
<thead>
<tr>
<th>PARAMETER</th>
<th>BLOWER SIZE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Blower Type</td>
<td>10”w.c. Packaged (60Hz)</td>
</tr>
<tr>
<td>Maximum Input (Btu/hr)</td>
<td>2,000,000</td>
</tr>
<tr>
<td>Minimum Input (Btu/hr)</td>
<td>300,000</td>
</tr>
<tr>
<td>Air Inlet Pressure (&quot;w.c.) @Max. Input</td>
<td>9</td>
</tr>
<tr>
<td>- Air pressure at burner inlet (Tap &quot;A&quot;)</td>
<td></td>
</tr>
<tr>
<td>Main Gas Pressure (&quot;w.c.) into regulator</td>
<td>Max. 125</td>
</tr>
<tr>
<td></td>
<td>Min. 14</td>
</tr>
<tr>
<td>Tube Backpressure (&quot;w.c.)</td>
<td>2.6</td>
</tr>
<tr>
<td>Weight-less actuator (lbs)</td>
<td>275</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>For any other mixed gas, contact Eclipse for orifice sizing.</td>
<td></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 50.4 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
0 25% 50% 75%
0 200

Input as a percentage from low fire to high fire

Low Fire
300,000 Btu/hr. (Regardless of Blower)

High Fire:
2,000,000 Btu/hr (Low Pressure Blower)
2,500,000 Btu/hr (High Pressure w.c. Blower)
3,600,000 Btu/hr (Remote Blower)

Gas Orifice ∆P vs. Input
Measured from Tap "B" to Tap "D"

Air Orifice ∆P vs. Input @ 3% O2
Measured from Tap "A" to Tap "C"

Performance Data

Ignition Zone
Operational Curve

Input x1000 Btu/hr.
0 500 1000 1500 2000 2500 3000 3500 4000
Pressure Drop ("wc")
0 2 4 6 8 10 12 14 16 18

Nat. Gas
Propane
Butane

% Excess Air
0 500 1000 1500 2000 2500 3000 3500 4000
Input x1000 Btu/hr.
0 2 4 6 8 10 12 14 16 18
Pressure Drop ("wc")
0 1 2 3 4 5 6 7 8

Low Fire
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Input as a percentage from low fire to high fire

% Excess Air
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0 100

Air Orifice ∆P vs. Input @ 3% O2
Measured from Tap "A" to Tap "C"

Input x1000 Btu/hr.
0 500 1000 1500 2000 2500 3000 3500 4000
Pressure Drop ("wc")
0 1 2 3 4 5 6 7 8

Nat. Gas
Propane
Butane

Performance Data

Ignition Zone
Operational Curve

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Measured from Tap "A" to Tap "C"

Performance Data

Ignition Zone
Operational Curve

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

**Dimensions in mm (inches)**

- **Remote Blower**
  - View A A
  - Dimensions:
    - 330mm (12.99"
    - 362mm (14.25"
    - 306mm (12.04"
    - 320mm (12.60"
    - 958mm (37.71"
    - 1013mm (39.88"
    - 545mm (21.45"
    - 604mm (23.78"

- **High pressure blower**
  - ø 328mm (12.91"
  - ø 8 x ø 12mm (0.47"
  - ø 360mm (14.17"

- **Low pressure blower**
  - ø 167.5mm (6.59"

- **Tap locations**
  - Tap "A" (1.2"
  - Tap "B" (11.57"
  - Tap "C" (1.5"
  - Tap "D" (8.3"

- **Remote Blower**
  - 1.5" NPT or BSP Gas Inlet
  - 4" NPT or BSP Air Inlet

- **Adapter to tank wall**
  - 101.6 (4) Max.

- **Note:** See Remote Blower drawing below for Tap locations.

- **Table: Blower Specifications**

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<tr>
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<th>B 50 HZ</th>
<th>C 60 HZ</th>
<th>D 50 HZ</th>
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<tr>
<td>Low pressure</td>
<td>508mm</td>
<td>330mm</td>
<td>306mm</td>
<td>958mm</td>
</tr>
<tr>
<td></td>
<td>(20.00&quot;)</td>
<td>(12.99&quot;)</td>
<td>(12.04&quot;)</td>
<td>(37.71&quot;)</td>
</tr>
<tr>
<td>High pressure</td>
<td>533mm</td>
<td>362mm</td>
<td>320mm</td>
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<td>(20.98&quot;)</td>
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