**Eclipse ImmersoJet**

*Burners*

*Model 3”IJ*

*Version 2*

---

### 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>440,000</td>
</tr>
<tr>
<td>Minimum Input (Btu/hr)</td>
<td>28,000</td>
</tr>
<tr>
<td>Air Inlet Pressure (“w.c.” @Max. Input</td>
<td>7.7</td>
</tr>
<tr>
<td>– Air pressure at burner inlet (Tap “A”)</td>
<td></td>
</tr>
<tr>
<td>Blower Motor Horse Power</td>
<td>.33</td>
</tr>
<tr>
<td>Main Gas Pressure (“w.c.”) into regulator</td>
<td>Max. 27.7</td>
</tr>
<tr>
<td>Weight-less actuator (lbs)</td>
<td>95</td>
</tr>
<tr>
<td>Tube Backpressure (“w.c.”)</td>
<td>1.6</td>
</tr>
<tr>
<td>CO emissions (ppm)</td>
<td>&lt;100</td>
</tr>
</tbody>
</table>

### Notes:

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.

---

ECLIPSE®

Innovative Thermal Solutions
Performance Data

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

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"

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)
Dimensions & Specifications
Dimensions in mm (inches)

Note: See Remote Blower drawing below for Tap locations.

Remote Blower

See above drawing for Spark and Flame Rod dimension details.