## COMPRESSOR DATA SHEET

**Rotary Compressor: Variable Frequency Drive**

### MODEL DATA - FOR COMPRESSED AIR

<table>
<thead>
<tr>
<th></th>
<th>Manufacturer:</th>
<th>Gardner Denver</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Model Number:</td>
<td>L15RS - 125 psig</td>
</tr>
<tr>
<td></td>
<td>Type:</td>
<td>Screw</td>
</tr>
<tr>
<td></td>
<td>Air-cooled</td>
<td>X</td>
</tr>
<tr>
<td></td>
<td>Water-cooled</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Oil-injected</td>
<td>X</td>
</tr>
<tr>
<td></td>
<td>Oil-free</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Date:</td>
<td>8/18/2017</td>
</tr>
<tr>
<td>3</td>
<td>Rated Operating Pressure</td>
<td>125 psig</td>
</tr>
<tr>
<td>4</td>
<td>Drive Motor Nominal Rating</td>
<td>20 hp</td>
</tr>
<tr>
<td>5</td>
<td>Drive Motor Nominal Efficiency</td>
<td>NA percent</td>
</tr>
<tr>
<td>6</td>
<td>Fan Motor Nominal Rating (if applicable)</td>
<td>NA hp</td>
</tr>
<tr>
<td>7</td>
<td>Fan Motor Nominal Efficiency</td>
<td>NA percent</td>
</tr>
<tr>
<td></td>
<td># of Stages:</td>
<td>1</td>
</tr>
</tbody>
</table>

### Input Power (kW) vs. Capacity (acfm)\(^{b,d}\) vs. Specific Power (kW/100 acfm)\(^{d}\)

<table>
<thead>
<tr>
<th></th>
<th>Max</th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>8*</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>18.5</td>
<td></td>
<td>81.4</td>
<td>22.73</td>
</tr>
<tr>
<td>17.0</td>
<td></td>
<td>74.7</td>
<td>22.72</td>
</tr>
<tr>
<td>14.8</td>
<td></td>
<td>63.9</td>
<td>23.13</td>
</tr>
<tr>
<td>12.7</td>
<td></td>
<td>53.2</td>
<td>23.89</td>
</tr>
<tr>
<td>10.8</td>
<td></td>
<td>42.4</td>
<td>25.38</td>
</tr>
<tr>
<td>8.9</td>
<td>Min</td>
<td>31.6</td>
<td>28.23</td>
</tr>
</tbody>
</table>

### Total Package Input Power at Zero Flow\(^{c,d}\)

- **Max:** 2.1 kW

---

"For models that are tested in the CAGI Performance Verification Program, these items are verified by program administrator Consulting CAGI website for a list of participants in the third party verification program: www.cagi.org

**Notes:**

- a. Measured at the discharge terminal point of the compressor package in accordance with ISO 1217, Annex E; acfm is actual cubic feet per minute at inlet conditions.
- b. The operating pressure at which the Capacity and Electrical Consumption were measured for this data sheet.
- c. No Load Power. In accordance with ISO 1217, Annex E, if measurement of no load power equals less than 1%, manufacturer may state “not significant” or “0” on the test report.
- d. Tolerance is specified in ISO 1217, Annex E, as shown in table below:

**NOTE:** The terms "power" and "energy" are synonymous for purposes of this document.

<table>
<thead>
<tr>
<th>Volume Flow Rate at specified conditions</th>
<th>Volume Flow Rate</th>
<th>Specific Energy Consumption</th>
<th>No Load / Zero Flow Power</th>
</tr>
</thead>
<tbody>
<tr>
<td>m(^3)/min</td>
<td>0.3 m(^3)/min</td>
<td>%</td>
<td>%</td>
</tr>
<tr>
<td>Below 0.5</td>
<td>Below 15</td>
<td>+/- 7</td>
<td>+/- 8</td>
</tr>
<tr>
<td>0.5 to 1.5</td>
<td>15 to 50</td>
<td>+/- 6</td>
<td>+/- 7</td>
</tr>
<tr>
<td>1.5 to 15</td>
<td>50 to 500</td>
<td>+/- 5</td>
<td>+/- 6</td>
</tr>
<tr>
<td>Above 15</td>
<td>Above 500</td>
<td>+/- 4</td>
<td>+/- 5</td>
</tr>
</tbody>
</table>

---

This form was developed by the Compressed Air and Gas Institute for the use of its members. CAGI has not independently verified the reported data.