**COMPRESSOR DATA SHEET**

**Rotary Compressor: Fixed Speed**

**MODEL DATA - FOR COMPRESSED AIR**

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Manufacturer: <strong>Gardner Denver</strong></td>
</tr>
</tbody>
</table>
| 2 | **Model Number:** L290 - 100 psig  
   | **Date:** 4/8/2016  
   | **Type:** Screw  
   | **# of Stages:** 1 |
| 3* | **Rated Capacity at Full Load Operating Pressure**<sup>a, c</sup>  
   | **1601.7**  
   | **acfm** |
| 4 | **Full Load Operating Pressure**<sup>b</sup>  
   | **100**  
   | **psig** |
| 5 | **Maximum Full Flow Operating Pressure**<sup>c</sup>  
   | **110**  
   | **psig** |
| 6 | **Drive Motor Nominal Rating**  
   | **340**  
   | **hp** |
| 7 | **Drive Motor Nominal Efficiency**  
   | **95.8**  
   | **percent** |
| 8 | **Fan Motor Nominal Rating (if applicable)**  
   | **2 x 5.4**  
   | **hp** |
| 9 | **Fan Motor Nominal Efficiency**  
   | **86.6**  
   | **percent** |
| 10* | **Total Package Input Power at Zero Flow**<sup>e</sup>  
   | **77.9**  
   | **kW** |
| 11 | **Total Package Input Power at Rated Capacity and Full Load Operating Pressure**<sup>d</sup>  
   | **294.8**  
   | **kW** |
| 12* | **Specific Package Input Power at Rated Capacity and Full Load Operating Pressure**<sup>e</sup>  
   | **18.4**  
   | **kW/100 cfm** |

*For models that are tested in the CAGI Performance Verification Program, these items are verified by the third party administrator. Consult 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 C; ACFM is actual cubic feet per minute at inlet conditions.
- b. The operating pressure at which the Capacity (Item 3) and Electrical Consumption (Item 11) were measured for this data sheet.
- c. Maximum pressure attainable at full flow, usually the unload pressure setting for load/no load control or the maximum pressure attainable before capacity control begins. May require additional power.
- d. Total package input power at other than reported operating points will vary with control strategy.
- e. Tolerance is specified in ISO 1217, Annex C, as shown in table below:

<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>
</table>
| m³/ min  
Below 0.5  
0.5 to 1.5  
1.5 to 15  
Above 15  
| ft³/ min  
Below 15  
15 to 50  
50 to 500  
| %  
+/- 7  
+/- 6  
+/- 5  
| %  
+/- 8  
+/- 7  
+/- 6  
| +/- 10%  

**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.**