### 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:** L18 - 100 psig  
|   | **Date:** 3/10/2015  
|   | **Type:** Screw  
|   | **# of Stages:** 1  
|   | **Air-cooled**  
|   | **Oil-injected**  
|   | **Water-cooled**  
|   | **Oil-free**  
| 3* | **Rated Capacity at Full Load Operating Pressure**  
|   | **110.9 acfm**  
| 4 | **Full Load Operating Pressure**  
|   | **100 psig**  
| 5 | **Maximum Full Flow Operating Pressure**  
|   | **110 psig**  
| 6 | **Drive Motor Nominal Rating**  
|   | **25 hp**  
| 7 | **Drive Motor Nominal Efficiency**  
|   | **91.7 percent**  
| 8 | **Fan Motor Nominal Rating (if applicable)**  
|   | **N/A**  
| 9 | **Fan Motor Nominal Efficiency**  
|   | **N/A**  
| 10* | **Total Package Input Power at Zero Flow**  
|   | **7.7 kW**  
| 11 | **Total Package Input Power at Rated Capacity and Full Load Operating Pressure**  
|   | **22.4 kW**  
| 12* | **Specific Package Input Power at Rated Capacity and Full Load Operating Pressure**  
|   | **20.2 kW/100 cfm**  

**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>
<tbody>
<tr>
<td>m³/min</td>
<td>ft³/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>

*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](http://www.cagi.org)*

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.