### COMPRESSOR DATA SHEET

**Rotary Compressor: Fixed Speed**

**MODEL DATA - FOR COMPRESSED AIR**

<table>
<thead>
<tr>
<th></th>
<th>Manufacturer: Gardner Denver</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>Model Number: STG2-40 HP, 150 psi</td>
</tr>
<tr>
<td></td>
<td>Date: 4/11/2016</td>
</tr>
<tr>
<td></td>
<td>Type: Screw</td>
</tr>
<tr>
<td></td>
<td># of Stages: 1</td>
</tr>
</tbody>
</table>

#### Notes:
- **Rated Capacity at Full Load Operating Pressure**
  - 162 acfm
  - **acfm**
- **Full Load Operating Pressure**
  - 150 psig
  - **psig**
- **Maximum Full Flow Operating Pressure**
  - 150 psig
  - **psig**
- **Drive Motor Nominal Rating**
  - 40 hp
- **Drive Motor Nominal Efficiency**
  - 94.5 percent
- **Fan Motor Nominal Rating**
  - 1.25 hp
- **Fan Motor Nominal Efficiency**
  - 82.5 percent
- **Total Package Input Power at Zero Flow**
  - 6.9 kW
  - **kW**
- **Total Package Input Power at Rated Capacity and Full Load Operating Pressure**
  - 36.5 kW
- **Specific Package Input Power at Rated Capacity and Full Load Operating Pressure**
  - 22.5 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](http://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:

### Volume Flow Rate at specified conditions

<table>
<thead>
<tr>
<th>m³/min</th>
<th>%</th>
<th>%</th>
<th>kW/100 cfm</th>
<th>No Load / Zero Flow Power</th>
</tr>
</thead>
<tbody>
<tr>
<td>Below 0.5</td>
<td>+/- 7</td>
<td>+/- 8</td>
<td>+/- 10%</td>
<td></td>
</tr>
<tr>
<td>0.5 to 1.5</td>
<td>+/- 6</td>
<td>+/- 7</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1.5 to 15</td>
<td>+/- 5</td>
<td>+/- 6</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Above 15</td>
<td>+/- 4</td>
<td>+/- 5</td>
<td></td>
<td></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.