**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>Boge Kompressoren</strong></td>
</tr>
<tr>
<td>2</td>
<td>Model Number: <strong>S 50-3</strong> Date: <strong>7/14/2014</strong></td>
</tr>
<tr>
<td></td>
<td>Type: <strong>Screw</strong></td>
</tr>
<tr>
<td></td>
<td># of Stages: <strong>1</strong></td>
</tr>
<tr>
<td>3*</td>
<td>Rated Capacity at Full Load Operating Pressure</td>
</tr>
<tr>
<td>a, e</td>
<td>acfm</td>
</tr>
<tr>
<td>4</td>
<td>Full Load Operating Pressure</td>
</tr>
<tr>
<td>5</td>
<td>Maximum Full Flow Operating Pressure</td>
</tr>
<tr>
<td>6</td>
<td>Drive Motor Nominal Rating</td>
</tr>
<tr>
<td>7</td>
<td>Drive Motor Nominal Efficiency</td>
</tr>
<tr>
<td>8</td>
<td>Fan Motor Nominal Rating (if applicable)</td>
</tr>
<tr>
<td>9</td>
<td>Fan Motor Nominal Efficiency</td>
</tr>
<tr>
<td>10*</td>
<td>Total Package Input Power at Zero Flow</td>
</tr>
<tr>
<td>11</td>
<td>Total Package Input Power at Rated Capacity and Full Load Operating Pressure</td>
</tr>
<tr>
<td>12*</td>
<td>Specific Package Input Power at Rated Capacity and Full Load Operating Pressure</td>
</tr>
</tbody>
</table>

* For models that are tested in the CAGI Performance Verification Program, these items are verified by program 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 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:

<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>

**Note:** The terms “power” and “energy” are synonymous for purposes of this document.

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.