**COMPRESSOR DATA SHEET**

**Rotary Compressor: Variable Frequency Drive**

**MODEL DATA - FOR COMPRESSED AIR**

<table>
<thead>
<tr>
<th></th>
<th>Manufacturer:</th>
<th>Atlas Copco</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>Model Number:</td>
<td>GA 110 VSD-125 (W)</td>
</tr>
<tr>
<td></td>
<td>Air-cooled</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Oil-injected</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Type:</td>
<td>Screw</td>
</tr>
<tr>
<td>3</td>
<td># of Stages:</td>
<td>1</td>
</tr>
<tr>
<td>4</td>
<td>Rated Operating Pressure</td>
<td>100 psig</td>
</tr>
<tr>
<td>5</td>
<td>Drive Motor Nominal Rating</td>
<td>150 hp</td>
</tr>
<tr>
<td>6</td>
<td>Drive Motor Nominal Efficiency</td>
<td>94.9 percent</td>
</tr>
<tr>
<td>7</td>
<td>Fan Motor Nominal Rating (if applicable)</td>
<td>0.9 hp</td>
</tr>
<tr>
<td></td>
<td>Fan Motor Nominal Efficiency</td>
<td>30.0 percent</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th></th>
<th>Input Power (kW)</th>
<th>Capacity (acfm)a,d</th>
<th>Specific Power (kW/100 acfm)d</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>139.2 Max</td>
<td>835.0</td>
<td>16.67</td>
</tr>
<tr>
<td></td>
<td>123.0</td>
<td>741.0</td>
<td>16.60</td>
</tr>
<tr>
<td></td>
<td>110.1</td>
<td>664.0</td>
<td>16.58</td>
</tr>
<tr>
<td></td>
<td>97.6</td>
<td>587.0</td>
<td>16.63</td>
</tr>
<tr>
<td></td>
<td>85.4</td>
<td>508.0</td>
<td>16.81</td>
</tr>
<tr>
<td></td>
<td>49.4 Min</td>
<td>270.0</td>
<td>18.30</td>
</tr>
</tbody>
</table>

|   | Total Package Input Power at Zero Flowc,d | 0.0 kW |

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*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:

---

**X**

- **X-** Axis Scale: 0 to 25% over maximum capacity
- **Y-** Axis Scale, 10 to 35, + 5kW/100acfm increments if necessary above 35

**X**

- **X-** Axis Scale: 0 to 25% over maximum capacity
- **Y-** Axis Scale, 10 to 35, + 5kW/100acfm increments if necessary above 35

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**Note:** Graph is only a visual representation of the data in Section 8.

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

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