

**COMPRESSOR DATA SHEET**  
**Rotary Compressor: Fixed Speed**



**MODEL DATA - FOR COMPRESSED AIR**

|     |   |                       |                         |
|-----|---|-----------------------|-------------------------|
| 1   | Manufacturer: <b>Boge Kompressoren</b>  |                       |                         |
| 2   | Model Number: <b>S 75-3</b>   | Date: <b>2/5/2015</b> |                         |
|     | <input checked="" type="checkbox"/> Air-cooled <input type="checkbox"/> Water-cooled            | Type: <b>Screw</b>    |                         |
|     | <input checked="" type="checkbox"/> Oil-injected <input type="checkbox"/> Oil-free              | # of Stages: <b>1</b> |                         |
| 3*  | Rated Capacity at Full Load Operating Pressure<br>a, e  | <b>331.90</b>         | acfm <sup>a,e</sup>     |
| 4   | Full Load Operating Pressure <sup>b</sup>   | <b>125</b>            | psig <sup>b</sup>       |
| 5   | Maximum Full Flow Operating Pressure <sup>c</sup>   | <b>135</b>            | psig <sup>c</sup>       |
| 6   | Drive Motor Nominal Rating  | <b>74</b>             | hp                      |
| 7   | Drive Motor Nominal Efficiency  | <b>94.1</b>           | percent                 |
| 8   | Fan Motor Nominal Rating (if applicable)  | <b>3.5</b>            | hp                      |
| 9   | Fan Motor Nominal Efficiency  | <b>86.5</b>           | percent                 |
| 10* | Total Package Input Power at Zero Flow <sup>e</sup>   | <b>18.2</b>           | kW <sup>e</sup>         |
| 11  | Total Package Input Power at Rated Capacity<br>and Full Load Operating Pressure <sup>d</sup>    | <b>70.1</b>           | kW <sup>d</sup>         |
| 12* | Specific Package Input Power at Rated Capacity<br>and Full Load Operating Pressure <sup>e</sup> | <b>21.12</b>          | kW/100 cfm <sup>e</sup> |

\* 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:
- 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.
  - The operating pressure at which the Capacity and Electrical Consumption were measured for this data sheet.
  - 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.
  - Tolerance is specified in ISO 1217, Annex E, as shown in table below:  
NOTE: The terms "power" and "energy" are synonymous for purposes of this document.



| Volume Flow Rate<br>at specified conditions |            | Volume Flow Rate | Specific Energy<br>Consumption | No Load / Zero Flow<br>Power |
|---|------------|------------------|--------------------------------|------------------------------|
| $m^3/min$                                   | $ft^3/min$ | %                | %                              |                              |
| Below 0.5                                   | Below 15   | +/- 7            | +/- 8                          |                              |
| 0.5 to 1.5                                  | 15 to 50   | +/- 6            | +/- 7                          | +/- 10%                      |
| 1.5 to 15                                   | 50 to 500  | +/- 5            | +/- 6                          |                              |
| Above 15                                    | Above 500  | +/- 4            | +/- 5                          |                              |

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