

**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 <sup>a, e</sup>                               | <b>252.57</b> | acfm <sup>a, e</sup>    |
| 4                               | Full Load Operating Pressure <sup>b</sup>                                                    | <b>190</b>    | psig <sup>b</sup>       |
| 5                               | Maximum Full Flow Operating Pressure <sup>c</sup>                                            | <b>200</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>15.9</b>   | kW <sup>e</sup>         |
| 11                              | Total Package Input Power at Rated Capacity and Full Load Operating Pressure <sup>d</sup>    | <b>68.1</b>   | kW <sup>d</sup>         |
| 12*                             | Specific Package Input Power at Rated Capacity and Full Load Operating Pressure <sup>e</sup> | <b>26.97</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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