

COMPRESSOR DATA SHEET
Rotary Compressor: Fixed Speed



MODEL DATA - FOR COMPRESSED AIR

| | | | |
|-----|--|---------------|-------------------------|
| 1 | Manufacturer: Boge Kompressoren | | |
| 2 | Model Number: S 61-3 | Date: | 6/1/2013 |
| | <input checked="" type="checkbox"/> Air-cooled <input type="checkbox"/> Water-cooled | Type: | Screw |
| | <input checked="" type="checkbox"/> Oil-injected <input type="checkbox"/> Oil-free | # of Stages: | 1 |
| 3* | Rated Capacity at Full Load Operating Pressure ^{a, e} | 286.76 | acfm ^{a, e} |
| 4 | Full Load Operating Pressure ^b | 100 | psig ^b |
| 5 | Maximum Full Flow Operating Pressure ^c | 110 | psig ^c |
| 6 | Drive Motor Nominal Rating | 60 | hp |
| 7 | Drive Motor Nominal Efficiency | 93.6 | percent |
| 8 | Fan Motor Nominal Rating (if applicable) | 3.5 | hp |
| 9 | Fan Motor Nominal Efficiency | 85.5 | percent |
| 10* | Total Package Input Power at Zero Flow ^e | 10.1 | kW ^e |
| 11 | Total Package Input Power at Rated Capacity and Full Load Operating Pressure ^d | 54.3 | kW ^d |
| 12* | Specific Package Input Power at Rated Capacity and Full Load Operating Pressure ^e | 18.93 | kW/100 cfm ^e |

* 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

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.

Member



| Volume Flow Rate at specified conditions | | Volume Flow Rate | Specific Energy Consumption | No Load / Zero Flow Power |
|---|-----------------------------|------------------|--------------------------------|------------------------------|
| <u>m³ / min</u> | <u>ft³ / min</u> | % | % | |
| Below 0.5 | Below 15 | +/- 7 | +/- 8 | +/- 10% |
| 0.5 to 1.5 | 15 to 50 | +/- 6 | +/- 7 | |
| 1.5 to 15 | 50 to 500 | +/- 5 | +/- 6 | |
| Above 15 | Above 500 | +/- 4 | +/- 5 | |

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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.