

**COMPRESSOR DATA SHEET**  
**Rotary Compressor: Variable Frequency Drive**



MODEL DATA - FOR COMPRESSED AIR			
1	Manufacturer: <b>Boge Kompressoren</b>		
2	Model Number: <b>SLF 51-3</b>	Date:	<b>6/1/2013</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 Operating Pressure	<b>125</b>	psig <sup>b</sup>
4	Drive Motor Nominal Rating	<b>50</b>	hp
5	Drive Motor Nominal Efficiency	<b>94.1</b>	percent
6	Fan Motor Nominal Rating (if applicable)	<b>3.5</b>	hp
7	Fan Motor Nominal Efficiency	<b>86.5</b>	percent
8*	Input Power (kW)		Capacity (acfm) <sup>a,d</sup>
	54.4 Max		245.05
	45.6		183.97
	40.8		156.07
	35.3		129.59
	28.6		102.75
	22.4 Min		76.98
9*	Total Package Input Power at Zero Flow <sup>c</sup>	5.36	kW
10	<p align="center"> <b>Note: Graph is only a visual representation of the data in Section 8</b>                      Note: Y-Axis Scale, 10 to 35, + 5kW/100acfm increments if necessary above 35                      X-Axis Scale, 0 to 25% over maximum capacity                 </p>		

\* 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 at specified conditions		Volume Flow Rate	Specific Energy Consumption	No Load / Zero Flow 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	

ROT 031