

COMPRESSOR DATA SHEET



Rotary Compressor: Variable Frequency Drive

MODEL DATA - FOR COMPRESSED AIR			
1	Manufacturer: Boge Compressors		
2	Model Number: SLF 271		Date: 10/1/2013
	<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 Operating Pressure	125	psig ^b
4	Drive Motor Nominal Rating	270	hp
5	Drive Motor Nominal Efficiency	96.3	percent
6	Fan Motor Nominal Rating (if applicable)	15.0	hp
7	Fan Motor Nominal Efficiency	92.4	percent
8*	Input Power (kW)	Capacity (acfm) ^{a,d}	Specific Power (kW/100 acfm) ^d
	236.8	Max	1225.26
	188.3		889.81
	158.8		707.26
	129.2		543.07
	99.7		384.88
	71.8	Min	228.10
9*	Total Package Input Power at Zero Flow ^c	35.58	kW
10	<p style="text-align: center;"> Note: Graph is only a visual representation of the data in Section 8 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

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:

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	

