

COMPRESSOR DATA SHEET

In Accordance With Federal Uniform Test Method for Certain Lubricated Air Compressors

Rotary Compressor: Variable Frequency Drive

MODEL DATA - FOR COMPRESSED AIR				
1	Manufacturer: BOGE			
2	Model Number: SLF 61-3		Date:	24.11.2021
	<input checked="" type="checkbox"/> Air-cooled	<input type="checkbox"/> Water-cooled	Type:	Screw
			# of Stages:	1
3*	Full Load Operating Pressure ^b	100	psig ^b	
4	Drive Motor Nominal Rating	60	hp	
5	Drive Motor Nominal Efficiency	94	percent	
6	Fan Motor Nominal Rating (if applicable)	3,5	hp	
7	Fan Motor Nominal Efficiency	86,5	percent	
8*	Input Power (kW)		Capacity (acfm) ^{a,d}	Specific Power (kW/100 acfm) ^d
	55,2		291,5	18,92
	48,4		250,2	19,33
	42,6		215,1	19,78
	37,5		184,1	20,37
	25,6		114,4	22,37
9*	Total Package Input Power at Zero Flow ^{c, d}	0,0	kW	
10	Isentropic Efficiency	65,7%	%	
11	<p>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 the third party administrator
 Consult CAGI website for a list of participants in the third party verification program: www.cagi.org



Member

- 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 (Item 8) and Electrical Consumption (Item 8) 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 17.6	+/- 7	+/- 8	
0.5 to 1.5	17.6 to 53	+/- 6	+/- 7	+/- 10%
1.5 to 15	53 to 529.7	+/- 5	+/- 6	
Above 15	Above 529.7	+/- 4	+/- 5	

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