COMPRESSOR DATA SHEET

Rotary Compressor: Variable Frequency Drive



MODEL DATA - FOR COMPRESSED AIR 1 Manufacturer: **Boge Compressors** Model Number: **SLF 271** Date: 10/1/2013 2 Screw X Water-cooled Air-cooled Type: X Oil-injected Oil-free # of Stages: 1 $psig^b \\$ 150 3 Rated Operating Pressure 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 Specific Power Capacity (acfm)^{a,d} Input Power (kW) (kW/100 acfm)^d 229.7 Max 1076.96 21.33 197.5 884.87 22.32 8* 166.5 692.08 24.06 135.3 531.42 25.47 104.1 369.70 28.17 75.3 Min 218.22 34.52 9* Total Package Input Power at Zero Flow 38.58 kW 35.00 30.00 Specific Power (kW/100 ACFM) 25.00 20.00 10 15.00 10.00 100 200 300 400 500 600 700 800 900 1000 1100 1200 1300 Capacity (ACFM) 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

* 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.or

NOTES:

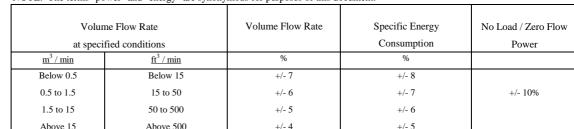
a. Measured at the discharge terminal point of the compressor package in accordance with

ISO 1217, Annex E; acfm is actual cubic feet per minute at inlet conditions.

Member b. Th

- 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.



ROT 031