## **COMPRESSOR DATA SHEET**

**Rotary Compressor: Variable Frequency Drive** 

	MODEL DATA - F						
1	Manufacturer: SULLIVAN I	PALATE	CK CK				
2	Model Number: SP20-L150VFD		Date:		12/4/2014		
	X Air-cooled Water-co	Type:		SCREW			
	X Oil-injected Oil-free			# of Stages:	1		
3	Rated Operating Pressure	ated Operating Pressure		100		psig <sup>b</sup>	
4	Drive Motor Nominal Rating	ive Motor Nominal Rating		150		hp	
5	Drive Motor Nominal Efficiency		94.5	percent			
6	Fan Motor Nominal Rating (if applicable)		5		hp		
7	Fan Motor Nominal Efficiency	n Motor Nominal Efficiency		87.5		percent	
8*	Input Power (kW)		Capacity (acfm) <sup>a,d</sup>		Specific Power (kW/100 acfm) <sup>d</sup>		
	147.1 Max			740		19.89	
	138.3		703		19.69		
	120.9		629		19.22		
	106.1			555		19.10	
	78.3			407		19.25	
	55.6 Min			295 18.84		18.84	
9*	Total Package Input Power at Zero Fl	tal Package Input Power at Zero Flow <sup>c, d</sup>		0.0		kW	
10	35.00						
	30.00						
	Specific Power (KW/100 ACFN) 20.00						
	Specific (K.K.)100						
	15.00						
	10.00 0 100 200	300	400	500 600	700	800	
	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: <a href="https://www.cagi.org">www.cagi.org</a>

NOTES:

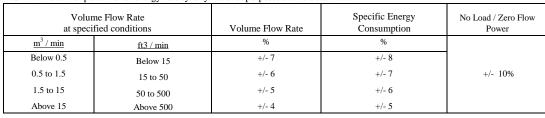
a. Measured at the discharge terminal point of the compressor package in accordance with

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

b. The operating pressure at which the Canacity and Electrical Consumption were

- 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

7/11 R7 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.