

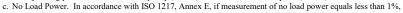
## **COMPRESSOR DATA SHEET**

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

## **Rotary Compressor: Variable Frequency Drive**

1	Manufa	Manufacturer: FS Curtis							
2	Model	Numbe	r: NxV	08-125		Date:	Oct, 2020		
	x	Air-co	ooled	Water-cooled		Туре:	Screw		
	<b>,</b>					t of Stages:	1		
3*	Full Lo	ad Ope	rating Pres	sure <sup>b</sup>	125		psig <sup>b</sup>		
4	Drive N	Aotor N	lominal Ra	ting	10	hp			
5	Drive Motor Nominal Efficiency				87.7	percent			
6	Fan Mo	otor No	minal Ratio	ng (if applicable)	n/a	hp			
7	Fan Mo	otor No	minal Effic	iency	n/a	percent			
8*	Input Power (kW)				Capacity (acfm) <sup>a,d</sup>	Specific Power (kW/100 acfm) <sup>d</sup>			
	9.7				41.61	23.31			
	8.5				35.23	24.13			
			7.3		28.63	25.50			
	6.0				21.84	27.47			
	4.8				14.94	32.	13		
)*	Total Package Input Power at Zero Flow c, d				0.0		kW		
10	Isentropic Efficiency				58.00		%		
11		Specific Power (kW/100 ACFM)	40.00 35.00 30.00 25.00 20.00 15.00 10.00 10.00	Note: Graph is only a vis	30.00 Zapacity (ACFM) nal representation of the data in Sc	40.00	50.00		
				Note: Y-Axis Scale, 10 to 35, + X-Axis Scale, 0	5kW/100acfm increments if necessa to 25% over maximum capacity rogram, these items are veri	ary above 35	party administrator		

b. The operating pressure at which the Capacity (Item 8) and Electrical Consumption (Item 8) were measured for this data sheet.



- 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.

Member

**Compressed Air & Gas Institute** 

		me Flow Rate	Volume Flow Rate	Specific Energy Consumption	Zero Flow Power	
	m <sup>3</sup> / min	<u>ft<sup>3</sup> / min</u>	%	%	%	
	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		
1.1	Above 15	Above 529.7	+/- 4	+/- 5		

12/19 Rev 3 This form was developed by the Compressed Air and Gas Institute for the use of its members participating in the PVP. CAGI has not independently verified the reported data.