

COMPRESSOR DATA SHEET

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

Rotary Compressor: Variable Frequency Drive

1) AIR	
	Manufacturer	FS Cu	ırtis			
	Model Numbe	er: NxV1	85-100		Date:	March, 2018
2	X Air-cooled Water-cooled		Туре		Screw	
	Evil L and Or anting Db				# of Stages: 1	
3*	Full Load Operating Pressure ^b			100	psig	
4	Drive Motor Nominal Rating		250	hp		
5	Drive Motor Nominal Efficiency			96.2	percent	
6	Fan Motor Nominal Rating (if applicable)			6	hp	
7	Fan Motor Nominal Efficiency Input Power (kW)			89.5 Capacity (acfm) ^{a,d}	Specific Power	
_						$kW/100 acfm)^d$
	223			1124	19.84	
8*	194			1001	19.38	
_	156			826	18.89	
-	121 58			657	18.42	
9*	Total Package Input Power at Zero Flow ^{c, d}			325 0.0	17.85 kW	
10	Isentropic Efficiency			70.70	<u> </u>	
11	Specific Power (kW/100 ACFM)	25.00				
			Note: Graph is only a vise Note: Y-Axis Scale, 10 to 35, +	0 500.0 600.0 700.0 8 Capacity (ACFM) ual representation of the data in 5kW/100acfm increments if neces to 25% over maximum capacity	Section 8	00.0 1100.0 1200.0
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ROT 031.1

Above 15

Above 529.7

+/- 4 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.

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