

COMPRESSOR DATA SHEET

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

Rotary Compressor: Variable Frequency Drive

) AIR		
1	Manufacturer	Manufacturer: FS Curtis					
	Model Number: NxV75-100				Date:	APRIL, 2016	
2	X Air-cooled Water-cooled				Type: Screw		
					# of Stages:	1	
3*	Full Load Operating Pressure			100	psig ^b		
4	Drive Motor Nominal Rating		100	hp			
5	Drive Motor Nominal Efficiency		95.4	percent			
6	Fan Motor Nominal Rating (if applicable)			3	hp		
7	Fan Motor Nominal Efficiency		89.5	percent			
	Input Power (kW)			Capacity (acfm) ^{a,d}	Specific Power (kW/100 acfm) ^d		
	100			498.8	20.05		
8*	83.3			422	19.74		
	68.5			347.8	19.70		
	52.4			266.5		19.66	
	26.6			120.7 0.0	22.04		
9*		Total Package Input Power at Zero Flow			kW		
10	Isentropic Efficiency			66.90		%	
11	Specific Power (kW/100 A.CFM)	25.00 25.00 20.00 15.00					
	10.00 0.00 35.00 70.00 105.00 140.00 175.00 210.00 245.00 280.00 315.00 350.00 385.00 420.00 455.00 490.00 525.00 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						
		1	Note: Graph is only a vis Note: Y-Axis Scale, 10 to 35, X-Axis Scale, (Capacity (ACFM) sual representation of the data in 5 SkW100acfm increments if nece: 0 to 25% over maximum capacity	Section 8 ssary above 35		
	CAGI website for a li a. Measured ACFM is b. The opera c. No Load manufact d. Tolerance NOTE: T	the CAGI Perf ist of participan at the discharge actual cubic fee ting pressure at Power. In accor urer may state " is specified in 1 'he terms "powe	Note: Graph is only a vis Note: Y-Axis Scale, 10 to 35, X-Axis Scale, 10 rormance Verification P nts in the third party ver e terminal point of the cor t per minute at inlet cond which the Capacity (Iten dance with ISO 1217, An not significant" or "0" on ISO 1217, Annex E, as sh r" and "energy" are synor	Capacity (ACFM) anal representation of the data in + 5kW/100acfm increments if neces 0 to 25% over maximum capacity rogram, these items are ven rification program: npressor package in accordan itions. a 8) and Electrical Consumpti inex E, if measurement of no the test report. own in table below: nymous for purposes of this c Specific Energy	Section 8 ssary above 35 rified by the thi www.cagi.org nce with ISO 12 ion (Item 8) wer load power equ: locument.	Ird party administrate 17, Annex E; e measured for this dat	
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ROT 031.1

1.5 to 15

Above 15

53 to 529.7

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.

+/- 5

+/- 6

+/- 5