



COMPRESSOR DATA SHEET

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

Rotary Compressor: Variable Frequency Drive

MODEL DATA - FOR COMPRESSED AIR				
1	Manufacturer: FS-Curtis			
2	Model Number: NxV22-175		Date:	03/03/21
	<input checked="" type="checkbox"/> Air-cooled	<input type="checkbox"/> Water-cooled	Type:	Screw
				# of Stages: 1
3*	Full Load Operating Pressure ^b	175	psig ^b	
4	Drive Motor Nominal Rating	30	hp	
5	Drive Motor Nominal Efficiency	91.7	percent	
6	Fan Motor Nominal Rating (if applicable)	1	hp	
7	Fan Motor Nominal Efficiency	82.5	percent	
8*	Input Power (kW)		Capacity (acfm) ^{a,d}	Specific Power (kW/100 acfm) ^d
	29.7		105.4	28.18
	26.1		93.3	27.97
	22.8		79.8	28.57
	19.8		67.2	29.46
	13.8		40.3	34.24
9*	Total Package Input Power at Zero Flow ^{c, d}		0.0	kW
10	Isentropic Efficiency		60.10	%
11	<p>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</p>			

*For models that are tested in the CAGI Performance Verification Program, these items are verified by the third party administrator
 Consult CAGI website for a list of participants in the third party verification program: www.cagi.org



Member

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

Volume Flow Rate at specified conditions		Volume Flow Rate	Specific Energy Consumption	No Load / Zero Flow Power
m^3 / min	ft^3 / min	%	%	%
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	
Above 15	Above 529.7	+/- 4	+/- 5	

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