

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: Chicago Pneumatic		
2	Model Number: CPVsD 10 8kW	Date:	08/16/23
	<input checked="" type="checkbox"/> Air-cooled <input type="checkbox"/> Water-cooled	Type:	Screw
		# of Stages:	1
3*	Full Load Operating Pressure ^b	100	psig ^b
4	Drive Motor Nominal Rating	10	hp
5	Drive Motor Nominal Efficiency	91.0	percent
6	Fan Motor Nominal Rating (if applicable)	0.45	hp
7	Fan Motor Nominal Efficiency	32.0	percent
8*	Input Power (kW)	Capacity (acfm) ^{a,d}	Specific Power (kW/100 acfm) ^d
	9.6	43	22.10
	7.1	32	22.10
	5.1	20	25.10
	4.2	15	30.70
	3.4	10	35.70
9*	Total Package Input Power at Zero Flow ^{c, d}	0.0	kW
10	Isentropic Efficiency	53.00	%
11	<p style="text-align: center;"> Note: Graph is only a visual representation of the data in Section 8 <small>Note: Y-Axis Scale, 10 to 35, + 5kW/100acfm increments if necessary above 35 X-Axis Scale, 0 to 25% over maximum capacity</small> </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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