

COMPRESSOR DATA SHEET

Rotary Compressor: Variable Displacement

MODEL DATA - FOR COMPRESSED AIR

1	Manufacturer:	Chicago Pneumatic		
2	Model Number:	CPVsd 15	Date:	02/15/16
	<input checked="" type="checkbox"/> Air-cooled <input type="checkbox"/> Water-cooled		Type:	Screw
	<input checked="" type="checkbox"/> Oil-injected <input type="checkbox"/> Oil-free		# of Stages:	1
3	Rated Operating Pressure	150	psig ^b	
4	Drive Motor Nominal Rating	15	hp	
5	Drive Motor Nominal Efficiency	91.0	percent	
6	Fan Motor Nominal Rating (if applicable)	N/A	hp	
7	Fan Motor Nominal Efficiency	N/A	percent	
8*	Input Power (kW)	Capacity (acfm) ^{a,d}	Specific Power (kW/100 acfm) ^d	
	13.4	Max	51.9	25.10
	11.6		47.6	23.60
	9.1		34.4	26.10
	7.3		25.0	28.70
	4.9	Min	12.7	37.10
9*	Total Package Input Power at Zero Flow ^{c, d}		0.0	kW
10	<p style="text-align: center; font-size: small;"> 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

- NOTES:
- a. 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.
 - b. The operating pressure at which the Capacity and Electrical Consumption were measured for this data sheet.
 - c. 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.
 - 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

Volume Flow Rate at specified conditions		Volume Flow Rate	Specific Energy Consumption	No Load / Zero Flow Power
<u>m³ / min</u>	<u>ft³ / min</u>	%	%	
Below 0.5	Below 15	+/- 7	+/- 8	+/- 10%
0.5 to 1.5	15 to 50	+/- 6	+/- 7	
1.5 to 15	50 to 500	+/- 5	+/- 6	
Above 15	Above 500	+/- 4	+/- 5	