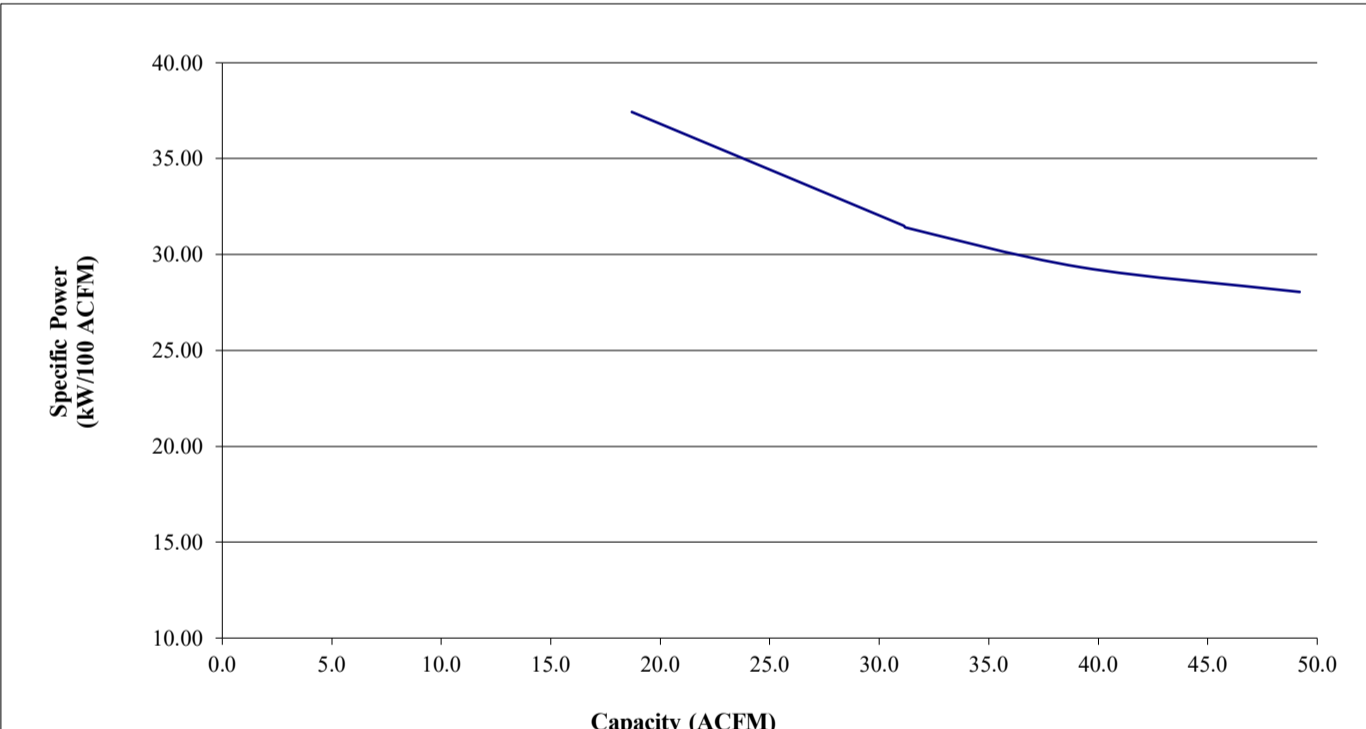


## COMPRESSOR DATA SHEET

### Rotary Compressor: Variable Displacement

#### MODEL DATA - FOR COMPRESSED AIR

1	Manufacturer: <b>Chicago Pneumatic</b>		
2	Model Number: <b>CPVsd 20</b>	Date: <b>Jan-19</b>	
	<input checked="" type="checkbox"/> Air-cooled <input type="checkbox"/> Water-cooled	Type: <b>Screw</b>	
	<input checked="" type="checkbox"/> Oil-injected <input type="checkbox"/> Oil-free	# of Stages: <b>1</b>	
3	Rated Operating Pressure	<b>180</b>	psig <sup>b</sup>
4	Drive Motor Nominal Rating	<b>10</b>	hp
5	Drive Motor Nominal Efficiency	<b>91.0</b>	percent
6	Fan Motor Nominal Rating (if applicable)	<b>N/A</b>	hp
7	Fan Motor Nominal Efficiency	<b>N/A</b>	percent
8*	Input Power (kW)	Capacity (acfm) <sup>a,d</sup>	Specific Power (kW/100 acfm) <sup>d</sup>
	13.8	<b>49.2</b>	<b>28.05</b>
	11.5	<b>39.2</b>	<b>29.34</b>
	9.8	<b>31.2</b>	<b>31.41</b>
	9.8	<b>31.1</b>	<b>31.51</b>
	7.0	Min	<b>18.7</b>
9*	Total Package Input Power at Zero Flow <sup>c,d</sup>		<b>0.0</b> kW
10	 <p style="text-align: center; font-size: small;"> <b>Note: Graph is only a visual representation of the data in Section 8</b>                      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](http://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
m <sup>3</sup> / min	ft <sup>3</sup> / min	%	%	
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	