

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: CPVS 60 PM 45kW	Date: 08/03/20	
	<input checked="" type="checkbox"/> Air-cooled <input type="checkbox"/> Water-cooled	Type: Screw	
		# of Stages: 1	
3*	Full Load Operating Pressure ^b	102	psig ^b
4	Drive Motor Nominal Rating	60	hp
5	Drive Motor Nominal Efficiency	96.0	percent
6	Fan Motor Nominal Rating (if applicable)	1.7	hp
7	Fan Motor Nominal Efficiency	86.5	percent
8*	Input Power (kW)	Capacity (acfm) ^{a,d}	Specific Power (kW/100 acfm) ^d
	53.0	322	16.46
	37.0	229	16.16
	30.0	180	16.67
	20.0	117	17.09
	12.0	64	18.87
9*	Total Package Input Power at Zero Flow ^{c, d}	0.0	kW
10	Isentropic Efficiency	81.6	%
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


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	

ROT 031.1