

## **COMPRESSOR DATA SHEET**

**Rotary Compressor: Fixed Speed** 

MODEL DATA - FOR COMPRESSED AIR			
1	Manufacturer: Chicago Pneumatic		
	Model Number: CPG 500	Date:	May-15
2	X Air-cooled Water-cooled	Type:	Screw
	x Oil-injected Oil-free	# of Stages:	1
	Rated Capacity at Full Load Operating		
3*	Pressure a, e	1977	acfm <sup>a,e</sup>
4	Full Load Operating Pressure b	150	psig b
5	Maximum Full Flow Operating Pressure <sup>c</sup>	157	psig c
6	Drive Motor Nominal Rating	500	hp
7	Drive Motor Nominal Efficiency	96.2	percent
8	Fan Motor Nominal Rating (if applicable)	20	hp
9	Fan Motor Nominal Efficiency	82.5	percent
10*	Total Package Input Power at Zero Flow	97	kW <sup>e</sup>
11	Total Package Input Power at Rated Capacity and Full Load Operating Pressure <sup>d</sup>	423	$kW^d$
12*	Specific Package Input Power at Rated  Capacity and Full Load Operating Pressure  e	21.4	kW/100 cfm <sup>e</sup>

\*For models that are tested in the CAGI Performance Verification Program, these items are verified by the third party administrator.

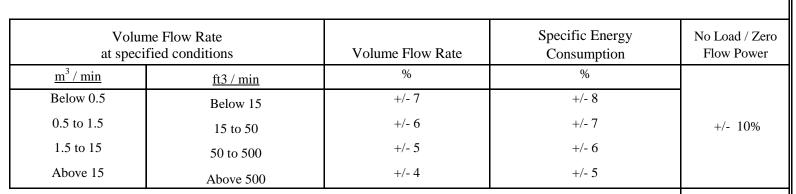
Consult CAGI websitefor a list of participants in the third party verification program: <a href="www.cagi.org">www.cagi.org</a>

NOTES:

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- a. Measured at the discharge terminal point of the compressor package in accordance with ISO 1217, Annex C; ACFM is actual cubic feet per minute at inlet conditions.
- b. The operating pressure at which the Capacity (Item 3) and Electrical Consumption (Item 11) were measured for this data sheet.
- c. Maximum pressure attainable at full flow, usually the unload pressure setting for load/no load control or the maximum pressure attainable before capacity control begins. May require additional power.
- d. Total package input power at other than reported operating points will vary with control strategy.
- e. Tolerance is specified in ISO 1217, Annex C, as shown in table below:



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This form was developed by the Compressed Air and Gas Institute for the use of its members. CAGI has not independently verified the reported data.