

## **COMPRESSOR DATA SHEET**

**Rotary Compressor: Fixed Speed** 

MODEL DATA - FOR COMPRESSED AIR			
1	Manufacturer: Chicago Pneumatic		
	Model Number: CPBG 50	Date:	Jan-19
2	x Air-cooled Water-cooled	Туре:	Screw
	x Oil-injected Oil-free	# of Stages:	1
	Rated Capacity at Full Load Operating		
3*	Pressure a, e	203.1	acfm <sup>a,e</sup>
4	Full Load Operating Pressure b	125	psig b
5	Maximum Full Flow Operating Pressure <sup>c</sup>	132	psig c
6	Drive Motor Nominal Rating	50	hp
7	Drive Motor Nominal Efficiency	93	percent
8	Fan Motor Nominal Rating (if applicable)	1.48	hp
9	Fan Motor Nominal Efficiency	84	percent
10*	Total Package Input Power at Zero Flow <sup>e</sup>	9.1	kW <sup>e</sup>
11	Total Package Input Power at Rated Capacity and Full Load Operating Pressure <sup>d</sup>	45.1	kW <sup>d</sup>
12*	Specific Package Input Power at Rated Capacity and Full Load Operating Pressure	22.2	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:

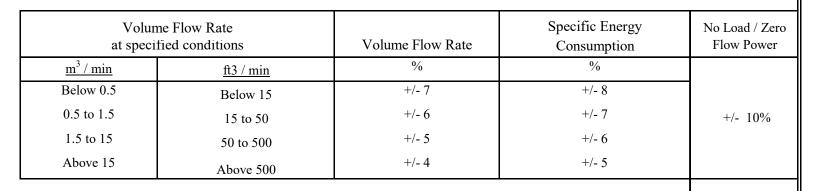
<u>www.cagi.org</u>

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.