

ROT 030

10/11 R8

## **COMPRESSOR DATA SHEET**

## **Rotary Compressor: Fixed Speed**

1	Manufacturar				_
1	Manufacturer:	Chicago Pneumatic			4
	Model Number:	CPC 50	Date:	Jun-14	
2	x Air-cooled Water-cooled		Type:	Screw	_
	x Oil-injected Oil-free		# of Stages:	1	_
	Rated Capacity at Full L	oad Operating			
3*	Pressure <sup>a, e</sup>		191	acfm <sup>a,e</sup>	
4	Full Load Operating Pressure <sup>b</sup>		150	psig <sup>b</sup>	
5	Maximum Full Flow Operating Pressure <sup>c</sup>		157	psig <sup>c</sup>	
6	Drive Motor Nominal Rating		50	hp	
7	Drive Motor Nominal Efficiency		93	percent	
8	Fan Motor Nominal Rating (if applicable)		1.74	hp	
9	Fan Motor Nominal Efficiency		82.1	percent	
10*	Total Package Input Power at Zero Flow <sup>e</sup>		12.2	kW <sup>e</sup>	
11	Total Package Input Power at Rated Capacity and Full Load Operating Pressure <sup>d</sup>		43.5	$kW^d$	
12*	Specific Package Input Power at Rated Capacity and Full Load Operating Pressure <sup>e</sup>		22.8	kW/100 cfm <sup>e</sup>	
Consult C	els that are tested in the CAGI l AGI websitefor a list of partici	Performance Verification Papants in the third party veri	fication program:	www.cagi.org	inistrator
NOTES: Member AGGI d Air & Gas Institute	<ul> <li>ISO 1217, Annex C; A</li> <li>b. The operating pressure for this data sheet.</li> <li>c. Maximum pressure atta maximum pressure atta</li> <li>d. Total package input po</li> <li>e. Tolerance is specified i</li> </ul>	CFM is actual cubic feet per n at which the Capacity (Item 3 inable at full flow, usually the inable before capacity control	) and Electrical Consumption e unload pressure setting for lo begins. May require addition rating points will vary with co	(Item 11) were measured bad/no load control or the hal power.	
	Volume Flow Rate at specified conditions		Volume Flow Rate	Specific Energy Consumption	No Lo Flow
	$\underline{m^3 / \min}$	<u>ft3 / min</u>	%	%	
	Below 0.5	Below 15	+/- 7	+/- 8	
	0.5 to 1.5	15 to 50	+/- 6	+/- 7	+/-
	1.5 to 15 Above 15	50 to 500	+/- 5 +/- 4	+/- 6 +/- 5	
	1001015	Above 500	17.74	1/= J	