

COMPRESSOR DATA SHEET

Rotary Compressor: Fixed Speed

MODEL DATA - FOR COMPRESSED AIR			
1	Manufacturer: Chicago Pneumatic		
	Model Number: CPD 100	Date:	Jun-14
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	356	acfm ^{a,e}
4	Full Load Operating Pressure b	150	b psig
5	Maximum Full Flow Operating Pressure ^c	157	psig
6	Drive Motor Nominal Rating	100	hp
7	Drive Motor Nominal Efficiency	94.5	percent
8	Fan Motor Nominal Rating (if applicable)	3.5	hp
9	Fan Motor Nominal Efficiency	87.5	percent
10*	Total Package Input Power at Zero Flow e	24.8	kW ^e
11	Total Package Input Power at Rated Capacity and Full Load Operating Pressure ^d	77.6	kW^d
12*	Specific Package Input Power at Rated Capacity and Full Load Operating Pressure	21.8	kW/100 cfm ^e

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

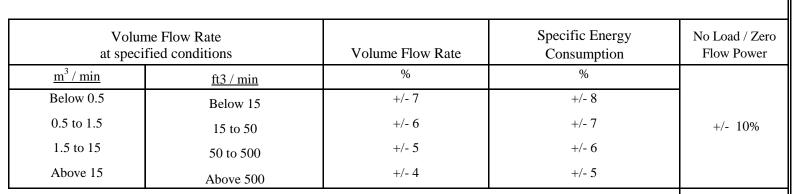
Consult CAGI websitefor a list of participants in the third party verification program: www.cagi.org

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.