

## COMPRESSOR DATA SHEET

## In Accordance with Federal Uniform Test Method for Certain Lubricated Air Compressors Rotary Compressor: Fixed Speed

MODEL DATA - FOR COMPRESSED AIR			
1	Manufacturer: Chicago Pneumatic		
	Model Number: CPI 101 - 100 psi	Date:	12/19/2024
2	X Air-cooled Water-cooled	Туре:	Screw
		# of Stages:	1
3*	Rated Capacity at Full Load Operating Pressure a, e	523.5	acfm <sup>a,e</sup>
4*	Full Load Operating Pressure b	100	psig
5	Maximum Full Flow Operating Pressure c	107	psig <sup>c</sup>
6	Drive Motor Nominal Rating	100	hp
7	Drive Motor Nominal Efficiency	95	percent
8	Fan Motor Nominal Rating (if applicable)	3	hp
9	Fan Motor Nominal Efficiency	89.4	percent
10*	Total Package Input Power at Zero Flow	20.8	kW <sup>e</sup>
11	Total Package Input Power at Rated Capacity and Full Load Operating Pressure <sup>d</sup>	88.30	$kW^d$
12*	Package Specific Power at Rated Capacity and Full Load Operating Pressure  Pressure	16.87	kW/100 cfm <sup>e</sup>
13	Isentropic Efficiency	78.79	Percent

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

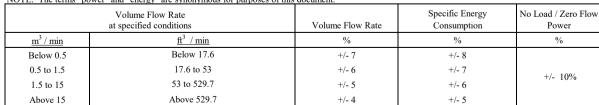
Consult CAGI website for a list of participants in the third party verification program:

www.cagi.org

NOTES:

- 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:

NOTE: The terms "power" and "energy" are synonymous for purposes of this document.



Member

ROT 030.1

12/19 Rev : This form was developed by the Compressed Air and Gas Institute for the use of its members participating in the PVP. CAGI has not independently verified the reported data.