## **COMPRESSOR DATA SHEET**

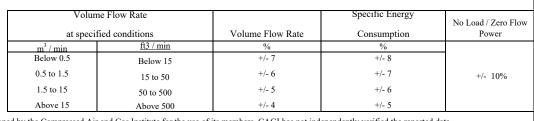
**Rotary Compressor: Fixed Speed** 

MODEL DATA - FOR COMPRESSED AIR			
1	Manufacturer: Mattei Compressors,	Inc.	
	Model Number: BLADE 5 LX	Date:	Jun-18
2	X Air-cooled Water-cooled	Type:	Vane
	X Oil-injected Oil-free	# of Stages:	1
	Rated Capacity at Full Load Operating		
3*	Pressure a, e	28.5	acfm <sup>a,e</sup>
4	Full Load Operating Pressure b	100	psig b
5	Maximum Full Flow Operating Pressure <sup>c</sup>	115	psig c
6	Drive Motor Nominal Rating	7.5	hp
7	Drive Motor Nominal Efficiency	89.5	percent
8	Fan Motor Nominal Rating (if applicable)	0.2	hp
9	Fan Motor Nominal Efficiency	65.0	percent
10*	Total Package Input Power at Zero Flow	1.9	kW <sup>e</sup>
11	Total Package Input Power at Rated Capacity and Full Load Operating Pressure <sup>d</sup>	6.3	$kW^d$
12*	Specific Package Input Power at Rated		kW/100 cfm <sup>e</sup>
	Capacity and Full Load Operating Pressure	22.11	

\*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="https://www.cagi.org"><u>www.cagi.org</u></a>

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:



ROT 030

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