## **COMPRESSOR DATA SHEET**

**Rotary Compressor: Variable Frequency Drive** 

MODEL DATA - FOR COMPRESSED AIR				
1	Manufacturer:	Mattei Compressors l	ínc.	
2	Model Number:	OPTIMA 15	Date:	Apr-14
	X Air-cooled	Water-cooled	Type:	Vane
	X Oil-injected	l Oil-free	# of Stages:	1
3	Rated Operating Pressure		100	$psig^b$
4	Drive Motor Nominal Rating		20	hp
5	Drive Motor Nominal Efficiency		90.6	percent
6	Fan Motor Nominal Rating (if applicable)		n/a	hp
7	Fan Motor Nominal Efficiency		n/a	percent
8*	Input Power (kW)		Capacity (acfm) <sup>a,d</sup>	Specific Power (kW/100 acfm) <sup>d</sup>
	19.4 Max		94.7	20.49
	17.4		87.1	19.98
	15.7		80.2	19.58
	14.0		72.2	19.39
	12.5		64.3	19.44
	11.1 Min		56.0	19.82
9*	Total Package Inpu	nt Power at Zero Flow <sup>c, d</sup>	3.5	kW
10	35.00 30.00 Specific Power 25.00 25.00 20.00 15.00 20.	25.0 Capacity	50.0 75.0 (ACFM)	100.0
	Note: Graph is only a visual representation of the data in Section 8  Note: Y-Axis Scale, 10 to 35, + 5kW/100acfm increments if necessary above 35  X-Axis Scale, 0 to 25% over maximum capacity			

\*For models that are tested in the CAGI Performance Verification Program, these items are verified by program administrator Consult CAGI website for a list of participants in the third party verification program: www.cagi.org

NOTES:

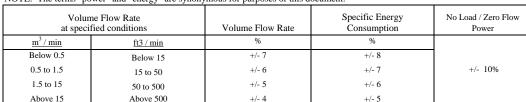
a. Measured at the discharge terminal point of the compressor package in accordance with ISO 1217, Annex E; acfm is actual cubic feet per minute at inlet conditions.

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- b. The operating pressure at which the Capacity and Electrical Consumption were measured for this data sheet.
- c. No Load Power. In accordance with ISO 1217, Annex E, if measurement of no load power equals less than 1%, manufacturer may state "not significant" or "0" on the test report.
- d. Tolerance is specified in ISO 1217, Annex E, as shown in table below:

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



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10/11 R7 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