## **COMPRESSOR DATA SHEET**

**Rotary Compressor: Variable Frequency Drive** 

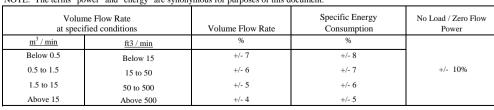
MODEL DATA - FOR COMPRESSED AIR			
1 Manufacturer: Mattei Compressors Inc.			
2	Model Number: OPTIMA 15	Date:	Oct-09
	x Air-cooled Water-cooled	Type:	Vane
	X Oil-injected Oil-free	# of Stages:	1
3	Rated Operating Pressure	135	psig <sup>b</sup>
4	Drive Motor Nominal Rating	20	hp
5	Drive Motor Nominal Efficiency	90.3	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>
	17.3 Ma	73.3	23.65
	16.0	68.9	23.21
	14.7	64.5	22.77
	13.4	60.1	22.33
	12.2	55.7	21.88
	11.0 M	in <b>51.3</b>	21.43
9*	Total Package Input Power at Zero Flow <sup>c, d</sup>	2.0	kW
10	35.00		
	30.00		
	25.00 V/100 ACEA)  25.00  20.00  20.00		
	Special (\$W)/10		
	15.00		
	10.00	50.0 75.0	100.0
	Capacity (ACFM)  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

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.

- 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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NOTES:

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.