## 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 Pres	ted Operating Pressure		psig <sup>b</sup>
4	Drive Motor Nomina	ive Motor Nominal Rating		hp
5	Drive Motor Nomina	Orive Motor Nominal Efficiency		percent
6	Fan Motor Nominal	Fan Motor Nominal Rating (if applicable)		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>
	19.0 Max		88.6	21.49
	17.7		83.9	21.10
	15.1		74.5	20.32
	12.7		65.0	19.54
	11.5		60.2	19.15
	10.4 Min		55.4	18.75
9*	Total Package Input Power at Zero Flow <sup>c, d</sup>		2.0	kW
10	35.00			
	30.00			
	Specific Power (WM100 ACFM) 20.00			
	S Specific 20.00			
	15.00			
	10.00	25.0	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		

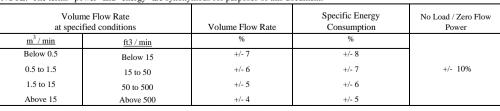
\*For models that are tested in the CAGI Performance Verification Program, these items are verified by program administrator

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

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- 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. 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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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 10/11 R7