## COMPRESSOR DATA SHEET

**Rotary Compressor: Variable Frequency Drive** 

MODEL DATA - FOR COMPRESSED AIR				
1	Manufacturer:	Mattei Compressors	Inc.	
2	Model Number:	OPTIMA 30	Date:	Oct-09
	x Air-cooled	Water-cooled	Type:	Vane
	X Oil-injected	Oil-free	# of Stages:	1
3	Rated Operating Pres	ed Operating Pressure		psig <sup>b</sup>
4	Drive Motor Nomina	ve 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>
	39.7 Max		174.8	22.73
	33.9		155.1	21.85
	31.1		145.2	21.42
	25.8		125.4	20.54
	23.2		115.5	20.10
	20.7 Min		105.5	19.65
9*	Total Package Input Power at Zero Flow <sup>c, d</sup>		3.6	kW
10	35.00			
	30.00			
	Specific Power (RW100 ACFM) 20.00			
	Specific (kW/100			
	15.00			
	10.00	25 50 75	100 125 150	175 200
		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: a. Measured at the discharge terminal point of the compressor package in accordance with

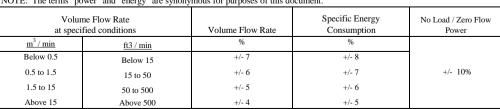
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ISO 1217, Annex E; acfm is actual cubic feet per minute at inlet conditions.

- 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