## **COMPRESSOR DATA SHEET**

**Rotary Compressor: Variable Frequency Drive** 

MODEL DATA - FOR COMPRESSED AIR			
1	Manufacturer: Mattei Compress	ors Inc.	
2	Model Number: <b>OPTIMA 200</b>	Date:	Oct-09
	x Air-cooled Water-cooled	I Type:	Vane
	X Oil-injected Oil-free	# of Stages:	1
3	Rated Operating Pressure	131	psig <sup>b</sup>
4	Drive Motor Nominal Rating	275	hp
5	Drive Motor Nominal Efficiency	96.4	percent
6	Fan Motor Nominal Rating (if applicable	5.1	hp
7	Fan Motor Nominal Efficiency	n/a	percent
	Input Power (kW)	Capacity (acfm) <sup>a,d</sup>	Specific Power (kW/100 acfm) <sup>d</sup>
	233.5	Max 1103.6	21.16
8*	216.3	1037.5	20.85
8"	183.1	905.3	20.22
	167.0	838.9	19.91
	135.9	705.9	19.25
		Min <b>639.0</b>	18.92
9*	Total Package Input Power at Zero Flow	21.6	kW
	35.00		
	Specific Power (KW1100 ACF/M) 20:00 -		
10	20.00 15.00		
	10.00 0 100 200 300 400  Ca  Note: Graph is only a visue  Note: Y-Axis Scale, 10 to 35, +5	500 600 700 800 900  pacity (ACFM)  al representation of the data in Section StW1/100acfm increments if necessary abo 25% over maximum capacity	8

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

a. Measured at the discharge terminal point of the compressor package in accordance with

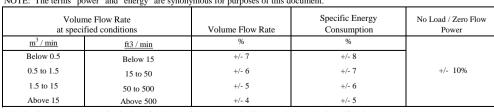
ISO 1217, Annex E; acfm is actual cubic feet per minute at inlet conditions.

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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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.