## COMPRESSOR DATA SHEET

**Rotary Compressor: Variable Frequency Drive** 

MODEL DATA - FOR COMPRESSED AIR			
1 Manufacturer: Mattei Compressors Inc.			
2	Model Number: OPTIMA 132	Date:	Oct-09
	x Air-cooled Water-cooled	Type:	Vane
	X Oil-injected Oil-free	# of Stages:	1
3	Rated Operating Pressure	145	psig <sup>b</sup>
4	Drive Motor Nominal Rating	175	hp
5	Drive Motor Nominal Efficiency	96.1	percent
6	Fan Motor Nominal Rating (if applicable)	4.4	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>
	166.0 Max	728.0	22.80
	153.9	684.6	22.48
	130.3	597.2	21.82
	118.9	553.4	21.49
	96.9	465.6	20.81
	86.3 Min	421.7	20.47
9*	Total Package Input Power at Zero Flow <sup>c, d</sup>	12.6	kW
10	35.00		
	30.00		
	Specific Power (W/100 ACM) 20.00		
	20.00 -		
	15.00		
	10.00 0 50 100 150 200 250 300 33	50 400 450 500 550 600	650 700 750 800
	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

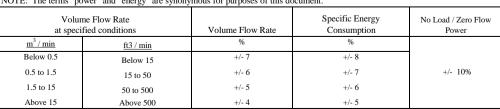
Consult CAGI website for a list of participants in the third party verification program: www.cagi.org

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