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-cool	ed Type:	Vane
	X Oil-injected Oil-free	# of Stages:	1
3	Rated Operating Pressure	131	psig ^b
4	Drive Motor Nominal Rating	175	hp
5	Drive Motor Nominal Efficiency	96.1	percent
6	Fan Motor Nominal Rating (if applicab	le) 4.4	hp
7	Fan Motor Nominal Efficiency	n/a	percent
8*	Input Power (kW)	Capacity (acfm) ^{a,d}	Specific Power (kW/100 acfm) ^d
	158.3	Max 732.2	21.62
	146.7	688.5	21.31
	124.3	600.7	20.69
	113.4	556.6	20.38
	92.4	468.3	19.73
	82.3	Min 424.0	19.41
9*	Total Package Input Power at Zero Flow	w ^{c, d} 12.6	kW
10	35.00		
	30.00		
	Specific Power (W/100 ACFM) 20:00		
	Specific (KW/10) - 20.00		
	15.00		
	10.00 0 50 100 150 200 250	300 350 400 450 500 550 600	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 www.cagi.org

NOTES:

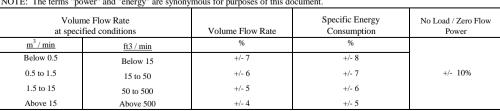
Member

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