COMPRESSOR DATA SHEET

Rotary Compressor: Variable Frequency Drive

MODEL DATA - FOR COMPRESSED AIR				
1	Manufacturer: Mattei C	ompressors l	nc.	
2	Model Number: OPTIMA	30	Date:	Oct-09
	x Air-cooled Water	er-cooled	Type:	Vane
	X Oil-injected Oil-i	ree	# of Stages:	1
3	Rated Operating Pressure	Rated Operating Pressure		psig ^b
4	Drive Motor Nominal Rating	Drive Motor Nominal Rating		hp
5	Drive Motor Nominal Efficiency		93.3	percent
6	Fan Motor Nominal Rating (if applicable)		n/a	hp
7	Fan Motor Nominal Efficiency		n/a	percent
8*	Input Power (kW)		Capacity (acfm) ^{a,d}	Specific Power (kW/100 acfm) ^d
	36.5	Max	189.0	19.29
	33.8		178.9	18.91
	28.8		158.8	18.16
	24.1		138.5	17.42
	19.7		118.2	16.67
	17.6 Min		108.0	16.29
9*	Total Package Input Power at Zero Flow ^{c, d}		3.6	kW
10	35.00			
	30.00			
	ACEM)			
	25.00 (KW/I00 Power 100 Power 20.00) 20.00			
	15.00			
	10.00 0 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 www.cagi.org

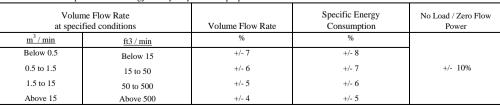
NOTES:

- 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.

Member

- 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