COMPRESSOR DATA SHEET

Rotary Compressor: Variable Frequency Drive

MODEL DATA - FOR COMPRESSED AIR				
1	Manufacturer:	Mattei Compressors	Inc.	
2	Model Number:	OPTIMA 90	Date:	Oct-09
	x Air-cooled	Water-cooled	Туре:	Vane
	X Oil-injected	Oil-free	# of Stages:	1
3	Rated Operating Pres	ed Operating Pressure		psig ^b
4	Drive Motor Nomina	ve Motor Nominal Rating		hp
5	Drive Motor Nomina	rive Motor Nominal Efficiency		percent
6	Fan Motor Nominal	Fan Motor Nominal Rating (if applicable)		hp
7	Fan Motor Nominal	Fan Motor Nominal Efficiency		percent
8*	Input Power (kW)		Capacity (acfm) ^{a,d}	Specific Power (kW/100 acfm) ^d
	114.7 Max		577.9	19.85
	107.1		547.1	19.58
	92.5		485.5	19.05
	78.5		423.6	18.53
	65.0		361.4	18.00
	52.2 Min		299.0	17.47
9*	Total Package Input	Total Package Input Power at Zero Flow ^{c, d}		kW
10	35.00			
	30.00			
	Specific Power (kW/100 ACFM) 20:00			
	Special (KW/II)			
	15.00			
	10.00	50 100 150 200 250	300 350 400 450 500	550 600 650
	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			

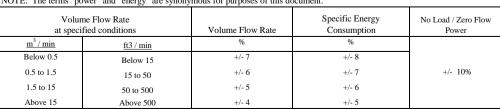
*For models that are tested in the CAGI Performance Verification Program, these items are verified by program administrator Consult CAGI website for a list of participants in the third party verification program: www.cagi.org

NOTES:

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

- 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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Member

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