COMPRESSOR DATA SHEET

Rotary Compressor: Variable Frequency Drive

MODEL DATA - FOR COMPRESSED AIR					
1	Manufacturer: Ma	attei Compressors	Inc.		
2	Model Number: OPTIMA 22		Date:	O	ct-09
	x Air-cooled Water-cooled		Type:	Vane	
	X Oil-injected	Oil-free	# of Stages:	1	
3	Rated Operating Pressure	ed Operating Pressure		psig ^b	
4	Drive Motor Nominal Rat	rive Motor Nominal Rating		hp	
5	Drive Motor Nominal Eff	Drive Motor Nominal Efficiency		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)	
	25.9 Max		115.0	22.53	
	24.0		108.5	22.13	
	20.4		95.5	21.34	
	18.6		89.0	20.94	
	16.9		82.5	20.53	
	15.3 Min		76.0	20.12	
9*	Total Package Input Power at Zero Flow ^{c, d}		2.8	kW	
10	35.00				
	30.00				
	Specific Power (W/100 ACF/N) 20.00				
	Specific (KW)100				
	15.00				
	10.00	25 50	75 100	125 150	
		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

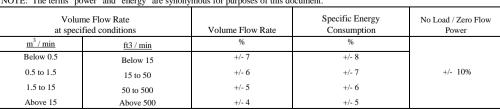
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- Consult CAGI website for a list of participants in the third party verification program: a. Measured at the discharge terminal point of the compressor package in accordance with
 - ISO 1217, Annex E; acfm is actual cubic feet per minute at inlet 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