COMPRESSOR DATA SHEET

Rotary Compressor: Variable Frequency Drive

MODEL DATA - FOR COMPRESSED AIR			
1 Manufacturer: Mattei Compressors Inc.			
2	Model Number: OPTIMA 15	Date:	Apr-15
	X Air-cooled Water-cooled	Type:	Vane
	X Oil-injected Oil-free	# of Stages:	1
3	Rated Operating Pressure	116	psig ^b
4	Drive Motor Nominal Rating	20	hp
5	Drive Motor Nominal Efficiency	93.2	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
	19.08 M	ax 86.4	22.08
	16.95	79.5	21.32
	15.97	75.5	21.15
	14.22	67.6	21.05
	13.40	63.9	20.95
	11.94 M	in 55.7	21.45
9*	Total Package Input Power at Zero Flow ^{c, d}	2.35	kW
10	35.00		
	Specific Power (RW/100 ACFM) 20.00 20.00		
	20.00 (KW) 15.00		
		50.0 75.0 city (ACFM)	100.0
	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

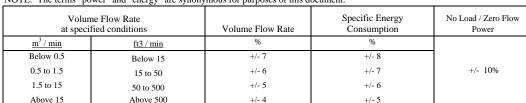
a. Measured at the discharge terminal point of the compressor package in accordance with ISO 1217, Annex E; acfm is actual cubic feet per minute at inlet conditions.

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- 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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10/11 R7 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.