## **COMPRESSOR DATA SHEET**

**Rotary Compressor: Variable Frequency Drive** 

MODEL DATA - FOR COMPRESSED AIR			
1 Manufacturer: Mattei Compressors Inc.			
2	Model Number: OPTIMA 22	Date	Oct-09
	x Air-cooled Water-cooled	Туре	Vane
	X Oil-injected Oil-free	# of Stages:	: 1
3	Rated Operating Pressure	100	psig <sup>b</sup>
4	Drive Motor Nominal Rating	30	hp
5	Drive Motor Nominal Efficiency	88.0	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) <sup>a,d</sup>	Specific Power (kW/100 acfm) <sup>d</sup>
	26.4	Max 130.0	20.27
	24.6	123.4	19.92
	21.2	110.3	19.22
	18.0	97.1	18.52
	14.9	83.9	17.82
	13.5	Min 77.2	17.45
9*	Total Package Input Power at Zero Flow <sup>c</sup>	2.8	kW
10	35.00		
	30.00		
	Specific Power (RW/100 A CEM) 20.00		
	20.00 (KW1/I)		
	15.00		
	10.00 0 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		

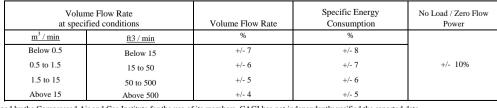
\*For models that are tested in the CAGI Performance Verification Program, these items are verified by program administrator Consult CAGI website for a list of participants in the third party verification program: www.cagi.org

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

NOTES:

- 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.





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.