COMPRESSOR DATA SHEET

Rotary Compressor: Variable Frequency Drive

MODEL DATA - FOR COMPRESSED AIR				
1	Manufacturer: Mattei Compressors Inc.			
2	Model Number: OPTIMA 110		Date:	Oct-09
	x Air-cooled Water-cooled		Type:	Vane
	X Oil-injected O	il-free	# of Stages:	1
3	Rated Operating Pressure	d Operating Pressure		psig ^b
4	Drive Motor Nominal Rating	ve Motor Nominal Rating		hp
5	Drive Motor Nominal Efficien	rive Motor Nominal Efficiency		percent
6	Fan Motor Nominal Rating (it	an Motor Nominal Rating (if applicable)		hp
7	Fan Motor Nominal Efficienc	Fan Motor Nominal Efficiency		percent
8*	Input Power (kW)		Capacity (acfm) ^{a,d}	Specific Power (kW/100 acfm) ^d
	141.1 Max		621.2	22.72
	120.7		546.8	22.08
	101.2		472.2	21.43
	91.8		434.7	21.11
	82.6		397.3	20.78
	73.5 Min		359.7	20.45
9*	Total Package Input Power at	tal Package Input Power at Zero Flow ^{c, d}		kW
10	35.00			
	30.00			
	Specific Power (kW/100 ACFM) 20.00 -			
	20.00 - 15.00			
	10.00	150 200 250 300	350 400 450 500 550) 600 650 700
	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:

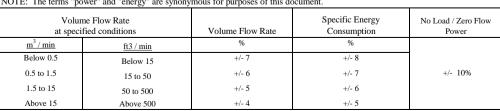
Member

- 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.



ROT 031

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