

COMPRESSOR DATA SHEET

Rotary Vane Compressor: Variable Frequency Drive

MODEL DATA - FOR COMPRESSED AIR

1	Manufacturer: Mattei Compressors Inc.			
2	Model Number: OPTIMA 90 @500hr:	Date:	Jan-17	
	<input checked="" type="checkbox"/> Air-cooled <input type="checkbox"/> Water-cooled	Type:	Vane	
	<input checked="" type="checkbox"/> Oil-injected <input type="checkbox"/> Oil-free	# of Stages:	1	
3	Rated Operating Pressure	116	psig ^b	
4	Drive Motor Nominal Rating	120	hp	
5	Drive Motor Nominal Efficiency	95.4	percent	
6	Fan Motor Nominal Rating (if applicable)	3	hp	
7	Fan Motor Nominal Efficiency	n/a	percent	
8	Input Power (kW)	Capacity (acfm) ^a	Specific Power (kW/100 acfm)	
	106.16	Max	557.2	19.05
	98.81		527.4	18.73
	84.65		466.4	18.15
	71.04		402.2	17.66
	57.99		335.5	17.29
	51.67	Min	301.4	17.14
9	Total Package Input Power at Zero Flow ^c	9.68	kW	
10	<div style="border: 1px solid black; padding: 10px;"><p style="text-align: center;">Note: Graph is only a visual representation of the data in Section 8</p></div>			

- 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.

