

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	131	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)
	104.59 Max	523.8	19.97
	97.04	494.1	19.64
	82.38	431.6	19.08
	68.27	366.7	18.62
	61.44	333.3	18.43
	54.75 Min	299.2	18.30
9	Total Package Input Power at Zero Flow ^c		9.68 kW
10	<p style="text-align: center;">Note: Graph is only a visual representation of the data in Section 8</p>		

- 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.

