

COMPRESSOR DATA SHEET

Rotary Vane Compressor: Variable Frequency Drive

MODEL DATA - FOR COMPRESSED AIR

1	Manufacturer: Mattei Compressors Inc.		
2	Model Number: OPTIMA 110 @500h		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	150	hp
5	Drive Motor Nominal Efficiency	95.8	percent
6	Fan Motor Nominal Rating (if applicable)	4	hp
7	Fan Motor Nominal Efficiency	87	percent
8	Input Power (kW)	Capacity (acfm) ^a	Specific Power (kW/100 acfm)
	129.76	Max	634.7
	120.30		596.7
	101.98		520.6
	84.43		444.2
	76.04		406.2
	67.75	Min	367.8
9	Total Package Input Power at Zero Flow ^c	12.20	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.

