

COMPRESSOR DATA SHEET

Rotary Vane Compressor: Variable Frequency Drive

MODEL DATA - FOR COMPRESSED AIR

1	Manufacturer: Mattei		
2	Model Number: OPTIMA 37 @500hr:		Date: Feb-16
	<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	50	hp
5	Drive Motor Nominal Efficiency	94.5	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) ^a	Specific Power (kW/100 acfm)
	42.15 Max	192.3	21.92
	37.25	175.5	21.22
	31.86	153.3	20.79
	26.37	130.4	20.22
	24.05	118.8	20.24
	21.72 Min	107.3	20.25
9	Total Package Input Power at Zero Flow ^c		5.28 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.

