

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	102	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)
	43.01 Max	218.4	19.69
	35.73	189.6	18.84
	30.70	166.7	18.41
	26.05	143.4	18.17
	22.19	119.5	18.57
	20.43 Min	107.5	19.01
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>		

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.

