

## COMPRESSOR DATA SHEET

### Rotary Vane Compressor: Variable Frequency Drive

#### MODEL DATA - FOR COMPRESSED AIR

1	Manufacturer: <b>Mattei Compressors Inc.</b>		
2	Model Number: <b>OPTIMA 60 @500hr:</b>		Date: <b>Jan-17</b>
	<input checked="" type="checkbox"/> Air-cooled <input type="checkbox"/> Water-cooled	Type:	<b>Vane</b>
	<input checked="" type="checkbox"/> Oil-injected <input type="checkbox"/> Oil-free	# of Stages:	<b>1</b>
3	Rated Operating Pressure	<b>116</b>	psig <sup>b</sup>
4	Drive Motor Nominal Rating	<b>75</b>	hp
5	Drive Motor Nominal Efficiency	<b>95</b>	percent
6	Fan Motor Nominal Rating (if applicable)	<b>3</b>	hp
7	Fan Motor Nominal Efficiency	<b>n/a</b>	percent
8	Input Power (kW)	Capacity (acfm) <sup>a</sup>	Specific Power (kW/100 acfm)
	73.24                      Max	<b>342.5</b>	<b>21.38</b>
	57.49	<b>288.2</b>	<b>19.95</b>
	48.15	<b>249.2</b>	<b>19.32</b>
	39.32	<b>208.5</b>	<b>18.86</b>
	35.03	<b>187.8</b>	<b>18.66</b>
	32.79                      Min	<b>175.8</b>	<b>18.65</b>
9	Total Package Input Power at Zero Flow <sup>c</sup>		<b>6.36</b> 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.

