

### 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 110 @500h</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>145</b>	psig <sup>b</sup>
4	Drive Motor Nominal Rating	<b>150</b>	hp
5	Drive Motor Nominal Efficiency	<b>95.8</b>	percent
6	Fan Motor Nominal Rating (if applicable)	<b>3.8</b>	hp
7	Fan Motor Nominal Efficiency	<b>87</b>	percent
8	Input Power (kW)	Capacity (acfm) <sup>a</sup>	Specific Power (kW/100 acfm)
	136.12	Max	<b>631.1</b>
	126.19		<b>593.5</b>
	107.00		<b>517.7</b>
	88.58		<b>441.7</b>
	79.71		<b>403.6</b>
	70.93	Min	<b>365.6</b>
9	Total Package Input Power at Zero Flow <sup>c</sup>	<b>12.20</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.

