

## 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 45</b>		Date: <b>May-15</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>102</b>	psig <sup>b</sup>
4	Drive Motor Nominal Rating	<b>60</b>	hp
5	Drive Motor Nominal Efficiency	<b>95.0</b>	percent
6	Fan Motor Nominal Rating (if applicable)	<b>1.5</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)
	54.40	Max	<b>282.6</b>
	47.30		<b>251.8</b>
	40.30		<b>219.9</b>
	34.10		<b>187.7</b>
	28.00		<b>154.4</b>
	24.80	Min	<b>135.9</b>
9	Total Package Input Power at Zero Flow <sup>c</sup>		<b>4.92</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.

