

# 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</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>102</b>	psig <sup>b</sup>
4	Drive Motor Nominal Rating	<b>75</b>	hp
5	Drive Motor Nominal Efficiency	<b>95.4</b>	percent
6	Fan Motor Nominal Rating (if applicable)	<b>3.0</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)
	73.80 Max	<b>357.6</b>	<b>20.64</b>
	59.30	<b>303.2</b>	<b>19.56</b>
	50.25	<b>264.9</b>	<b>18.97</b>
	41.55	<b>225.2</b>	<b>18.45</b>
	35.25	<b>194.3</b>	<b>18.14</b>
	33.20 Min	<b>183.7</b>	<b>18.07</b>
9	Total Package Input Power at Zero Flow <sup>c</sup>		<b>6.51</b> kW
10	<p>Note: Graph is only a visual representation of the data in Section 8</p>		

#### NOTES:

- 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.
- The operating pressure at which the Capacity and Electrical Consumption were measured for this data sheet.
- No Load Power. In accordance with ISO 1217, Annex E.

