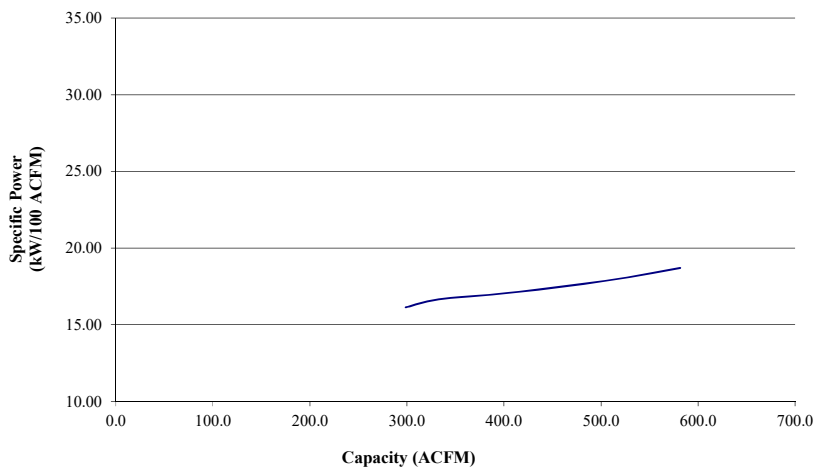
COMPRESSOR DATA SHEET

Rotary Vane Compressor: Variable Frequency Drive

MODEL DATA - FOR COMPRESSED AIR

1	Manufacturer: **Mattei Compressors Inc.**		
2	Model Number: **OPTIMA 90**	Date:	**Jan-17**
	[x] Air-cooled [ ] Water-cooled	Type:	**Vane**
	[x] Oil-injected [ ] Oil-free	# of Stages:	**1**
3	Rated Operating Pressure	**102**	psig[b]
4	Drive Motor Nominal Rating	**120**	hp
5	Drive Motor Nominal Efficiency	**95.4**	percent
6	Fan Motor Nominal Rating (if applicable)	**3.2**	hp
7	Fan Motor Nominal Efficiency	**n/a**	percent
8	Input Power (kW)	Capacity (acfm)[a]	Specific Power (kW/100 acfm)
	108.8 Max	**581.6**	**18.71**
	94.4	**523.4**	**18.04**
	81.0	**462.6**	**17.52**
	68.0	**399.1**	**17.04**
	55.5	**333.0**	**16.66**
	48.2 Min	**298.8**	**16.14**
9	Total Package Input Power at Zero Flow[c]	**9.9**	kW

10



Note: Graph is only a visual representation of the data in Section 8

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.

mattei®
NO VANE. NO GAIN.