## **COMPRESSOR DATA SHEET**

Rotary Vane Compressor: Variable Frequency Drive

MODEL DATA - FOR COMPRESSED AIR			
1 Manufacturer: Mattei Compressors Inc.			
2	Model Number: OPTIMA 110	Date:	Jan-17
	X Air-cooled Water-coo	oled Type:	Vane
	X Oil-injected Oil-free	# of Stages:	1
3	Rated Operating Pressure	145	psig <sup>b</sup>
4	Drive Motor Nominal Rating	150	hp
5	Drive Motor Nominal Efficiency	95.8	percent
6	Fan Motor Nominal Rating (if applicab	ole) 3.8	hp
7	Fan Motor Nominal Efficiency	87	percent
8	Input Power (kW)	Capacity (acfm) <sup>a</sup>	Specific Power (kW/100 acfm)
	139.24	Max <b>621.2</b>	22.42
	129.08	584.1	22.10
	109.45	509.6	21.48
	90.61	434.7	20.84
	81.53	397.3	20.52
	72.56	Min <b>359.9</b>	20.16
9	Total Package Input Power at Zero Flo	w <sup>c</sup> 12.48	kW
10	9 35.00 30.00 30.00 25.00 25.00 20.00 15.00 10.00 200.0	300.0 400.0 500.0  Capacity (ACFM) visual representation of the data in Section	600.0 700.0

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.

