COMPRESSOR DATA SHEET

Rotary Compressor: Variable Frequency Drive

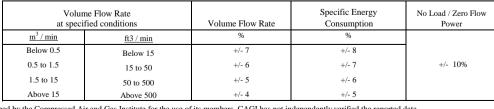
MODEL DATA - FOR COMPRESSED AIR		
1 Manufacturer: Mattei Compressors Inc.		
Model Number: OPTIMA 200	Date:	Oct-09
x Air-cooled Water-cooled	Type:	Vane
X Oil-injected Oil-free	# of Stages:	1
Rated Operating Pressure	125	$psig^b$
Drive Motor Nominal Rating	275	hp
Drive Motor Nominal Efficiency	96.4	percent
Fan Motor Nominal Rating (if applicable)	5.1	hp
Fan Motor Nominal Efficiency	n/a	percent
Input Power (kW)	Capacity (acfm) ^{a,d}	Specific Power (kW/100 acfm) ^d
234.9 Max	1133.2	20.73
211.5	1040.6	20.33
179.1	908.0	19.72
163.3	841.3	19.41
133.0	707.9	18.78
118.3 Min	640.9	18.46
Total Package Input Power at Zero Flow ^{c, d}	21.6	kW
35.00 30.00 30.00 25.00 15.00 10.00 20.00 10.00 20.00 10.00 20.00 Capacity (600 700 800 900 ACFM)	1000 1100 1200
	Manufacturer: Mattei Compressors I Model Number: OPTIMA 200 X Air-cooled Water-cooled X Oil-injected Oil-free Rated Operating Pressure Drive Motor Nominal Rating Drive Motor Nominal Efficiency Fan Motor Nominal Efficiency Input Power (kW) 234.9 Max 211.5 179.1 163.3 133.0 118.3 Min Total Package Input Power at Zero Flow ^{c, d} 35.00 30.00 15.00 Note: Graph is only a visual type Note: Y-Axis Scale, 10 to 35, + 5kW/10c Note: Graph is only a visual type Note: Y-Axis Scale, 10 to 35, + 5kW/10c	Manufacturer: Mattei Compressors Inc. Model Number: OPTIMA 200 Date: X

*For models that are tested in the CAGI Performance Verification Program, these items are verified by program administrator Consult CAGI website for a list of participants in the third party verification program: www.cagi.org

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, if measurement of no load power equals less than 1%,
- manufacturer may state "not significant" or "0" on the test report.
 d. Tolerance is specified in ISO 1217, Annex E, as shown in table below:

NOTE: The terms "power" and "energy" are synonymous for purposes of this document.





NOTES:

This form was developed by the Compressed Air and Gas Institute for the use of its members. CAGI has not independently verified the reported data.