COMPRESSOR DATA SHEET

Rotary Compressor: Variable Frequency Drive

MODEL DATA - FOR COMPRESSED AIR			
1 Manufacturer: Mattei Compressors Inc.			
2	Model Number: OPTIMA 45	Date:	Oct-09
	x Air-cooled Water-cooled	Type:	Vane
	X Oil-injected Oil-free	# of Stages:	1
3	Rated Operating Pressure	150	psig ^b
4	Drive Motor Nominal Rating	60	hp
5	Drive Motor Nominal Efficiency	94.0	percent
6	Fan Motor Nominal Rating (if applicable)	n/a	hp
7	Fan Motor Nominal Efficiency	n/a	percent
8*	Input Power (kW)	Capacity (acfm) ^{a,d}	Specific Power (kW/100 acfm) ^d
	56.9 Ma	248.5	22.91
	52.6	233.6	22.50
	44.1	203.9	21.66
	40.1	188.9	21.23
	36.2	173.9	20.80
	32.4 Mi	159.0	20.35
9*	Total Package Input Power at Zero Flow ^{c, d}	5.5	kW
10	35.00 30.00 30.00 25.00 4 September 10.00 10.00		
	0 25 50 75 100 Cap Note: Graph is only a visua Note: Y-Axis Scale, 10 to 35, + 5	125 150 175 200 acity (ACFM) representation of the data in Sect W/100acfm increments if necessary 25% over maximum capacity	225 250 275 ion 8 above 35

*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

NOTES: a. Measured at the discharge terminal point of the compressor package in accordance with

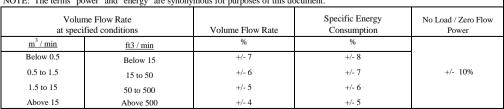
ISO 1217, Annex E; acfm is actual cubic feet per minute at inlet conditions.

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, 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.



ROT 031

10/11 R7 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.