## **COMPRESSOR DATA SHEET**

**Rotary Compressor: Variable Frequency Drive** 

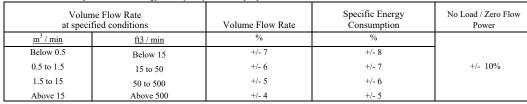
MODEL DATA - FOR COMPRESSED AIR			
1	Manufacturer: Mattei Compressor	6	
2	Model Number: BLADE 22 i	Date:	<b>May-18</b>
	X Air-cooled Water-cooled	Туре:	Vane
	X Oil-injected Oil-free	# of Stages:	1
3	Rated Operating Pressure	116	psig <sup>b</sup>
4	Drive Motor Nominal Rating	30	hp
5	Drive Motor Nominal Efficiency	93	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) <sup>a,d</sup>	Specific Power (kW/100 acfm) <sup>d</sup>
	25.74 Ma	119.7	21.50
	23.97	113.4	21.15
	22.25	107.0	20.79
	18.93	94.3	20.08
	17.34	87.6	19.80
	15.79 M	in <b>81.2</b>	19.44
9*	Total Package Input Power at Zero Flow <sup>c, d</sup>	2.50	kW
10	35.00 30.00 30.00  25.00  15.00  10.00 25.0  Capac  Note: Graph is only a visual r  Note: Y-Axis Scale, 10 to 35, + 5kV	75.0 100.0 ity (ACFM) epresentation of the data in Section	125.0 150.0

\*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: <a href="www.cagi.org">www.cagi.org</a>

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

Member

Compressed Air & Gas Institute

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.