COMPRESSOR DATA SHEET

Rotary Compressor: Variable Frequency Drive

| Rotary Compressor: Variable Frequency Drive MODEL DATA - FOR COMPRESSED AIR | | | |
|--|--|--------------------------------|---|
| 1 | Manufacturer: Mattei Compressors | | |
| 2 | Model Number: BLADE 18 i | Date: | May-18 |
| | X Air-cooled Water-cooled | Туре: | Vane |
| | X Oil-injected Oil-free | # of Stages: | 1 |
| 3 | Rated Operating Pressure | 131 | psig ^b |
| 4 | Drive Motor Nominal Rating | 25 | hp |
| 5 | Drive Motor Nominal Efficiency | 92.6 | 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 |
| | 20.89 Max | 93.9 | 22.24 |
| | 19.31 | 88.3 | 21.87 |
| | 17.78 | 82.6 | 21.52 |
| | 16.28 | 77.0 | 21.15 |
| | 15.56 | 74.2 | 20.97 |
| | 14.83 Min | 71.3 | 20.79 |
| 9* | Total Package Input Power at Zero Flow ^{c, d} | 2.30 | kW |
| 10 | 35.00 | | |
| | 25.00 - (KW/100 ACFM) 20.00 - (CW/100 ACFM) | | |
| | 15.00 | | |
| | 10.00 25.0 Capacity | 50.0 75.0 (ACFM) | 100.0 |
| | Note: Graph is only a visual representation of the data in Section 8 Note: Y-Axis Scale, 10 to 35, + 5kW/100acfm increments if necessary above 35 X-Axis Scale, 0 to 25% over maximum capacity | | |

*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

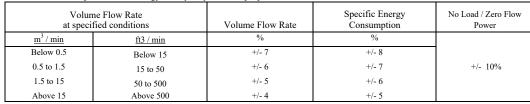
NOTES: a. Measured at the discharge terminal point of the compressor package in accordance with ISO 1217, Annex E; acfm is actual cubic feet per minute at inlet conditions.

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- 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.



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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.