

## COMPRESSOR DATA SHEET

### Rotary Compressor: Fixed Speed

#### MODEL DATA - FOR COMPRESSED AIR

|     |  |                       |                         |
|-----|--|-----------------------|-------------------------|
| 1   | Manufacturer: <b>Mattei Compressors Inc.</b>   |                       |                         |
| 2   | Model Number: <b>AC 15 LX</b>  | Date: <b>Oct-09</b>   |                         |
|     | <input checked="" type="checkbox"/> Air-cooled <input type="checkbox"/> Water-cooled         | Type: <b>Vane</b>     |                         |
|     | <input checked="" type="checkbox"/> Oil-injected <input type="checkbox"/> Oil-free           | # of Stages: <b>1</b> |                         |
| 3*  | Rated Capacity at Full Load Operating Pressure <sup>a, e</sup>                               | <b>106.5</b>          | acfm <sup>a, e</sup>    |
| 4   | Full Load Operating Pressure <sup>b</sup>  | <b>100</b>            | psig <sup>b</sup>       |
| 5   | Maximum Full Flow Operating Pressure <sup>c</sup>  | <b>110</b>            | psig <sup>c</sup>       |
| 6   | Drive Motor Nominal Rating   | <b>20</b>             | hp                      |
| 7   | Drive Motor Nominal Efficiency   | <b>90.3</b>           | percent                 |
| 8   | Fan Motor Nominal Rating (if applicable)   | <b>n/a</b>            | hp                      |
| 9   | Fan Motor Nominal Efficiency   | <b>n/a</b>            | percent                 |
| 10* | Total Package Input Power at Zero Flow <sup>e</sup>  | <b>4.7</b>            | kW <sup>e</sup>         |
| 11  | Total Package Input Power at Rated Capacity and Full Load Operating Pressure <sup>d</sup>    | <b>20.1</b>           | kW <sup>d</sup>         |
| 12* | Specific Package Input Power at Rated Capacity and Full Load Operating Pressure <sup>e</sup> | <b>18.85</b>          | kW/100 cfm <sup>e</sup> |

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

NOTES:

- a. Measured at the discharge terminal point of the compressor package in accordance with ISO 1217, Annex C; ACFM is actual cubic feet per minute at inlet conditions.
- b. The operating pressure at which the Capacity (Item 3) and Electrical Consumption (Item 11) were measured for this data sheet.
- c. Maximum pressure attainable at full flow, usually the unload pressure setting for load/no load control or the maximum pressure attainable before capacity control begins. May require additional power.
- d. Total package input power at other than reported operating points will vary with control strategy.
- e. Tolerance is specified in ISO 1217, Annex C, as shown in table below:



| Volume Flow Rate at specified conditions |              | Volume Flow Rate | Specific Energy Consumption | No Load / Zero Flow Power |
|--|--------------|------------------|-----------------------------|---------------------------|
| $m^3 / min$                              | $ft^3 / min$ | %                | %                           |                           |
| Below 0.5                                | Below 15     | +/- 7            | +/- 8                       | +/- 10%                   |
| 0.5 to 1.5                               | 15 to 50     | +/- 6            | +/- 7                       |                           |
| 1.5 to 15                                | 50 to 500    | +/- 5            | +/- 6                       |                           |
| Above 15                                 | Above 500    | +/- 4            | +/- 5                       |                           |

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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.