| | | | | COMPRESSOR DA' | | | | |
|------------|---------------------|-----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|------------------------------|--|
| | | | | Compressor: Variab | | e | | |
| | | | MODE | EL DATA - FOR CO | MPRESSED AIR | | | |
| | 1 | Manufactu | rer: | Mattei Compressors I | nc. | | | |
| | | Model Number: OPTIMA 11 | | | Date: | 0 | ct-09 | |
| | 2 | x Air | -cooled | Water-cooled | Type: | Vane | | |
| | | X Oil | -injected | Oil-free | # of Stages: | 1 | | |
| | 3 | | rating Press | | 115 | psig ^b | | |
| | 4 | Drive Mot | or Nominal | Rating | 15 | hp | | |
| | 5 | Drive Motor Nominal Efficiency | | | 87.1 | percent | | |
| | 6 | Fan Motor Nominal Rating (if applicable) | | | n/a | hp | | |
| | 7 | Fan Motor | Nominal E | fficiency | n/a | percent | | |
| | 8* | Input Power (kW) | | | Capacity (acfm) ^{a,d} | ,d Specific Power (kW/100 acfm) ^d | | |
| | | 14.6 Max | | | 64.1 | 22.81 | | |
| | | 13.6 | | | 60.7 | 22.43 | | |
| | | 12.6 | | | 57.3 | 22.05 | | |
| | | 11.7 | | | 53.9 | 21.67 | | |
| | | 10.3 | | | 45.4 | 22.76 | | |
| | 0.* | | 9.5 | Min | 41.9 | 22.68 | | |
| | 9* | Total Package Input Power at Zero Flow ^{c, d} | | | 1.6 | kW | | |
| | 10 | Specific Power | 30.00 | | | | | |
| | | | 0.0 25.0 50.0 75.0 Capacity (ACFM) 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 | | | | | |
| Mer | | CAGI website fo a. Measu ISO 12 b. The op c. No Loa manufa d. Tolerau | r a list of part red at the disch 17, Annex E; a erating pressur id Power. In a acturer may sta ace is specified | I Performance Verification P icipants in the third party ve- arge terminal point of the comp acfm is actual cubic feet per min- e at which the Capacity and Ele- ccordance with ISO 1217, Anne- te "not significant" or "0" on th I in ISO 1217, Annex E, as show ower" and "energy" are synonyr | rification program: pressor package in accordanc nute at inlet conditions. extrical Consumption were n ex E, if measurement of no lo e test report. vn in table below: | www.cagi.org e with neasured for this data she bad power equals less that | et. | |
| Compressed | Air & Gas Institute | Volume Flow Rate at specified conditions | | | Volume Flow Rate | Specific Energy Consumption | No Load / Zero Flow Power | |
| | | <u>m³/min</u> Below 0.5 0.5 to 1.5 | | <u>ft3 / min</u> | % | % | +/- 10% | |
| | | | | Below 15 15 to 50 | +/- 7 +/- 6 | +/- 8 +/- 7 | | |
| | | | 1.5 to 15 | 50 to 500 | +/- 5 | +/- 6 | | |
| ROT 031 | | | Above 15 | Above 500 | +/- 4 | +/- 5 | | |
| 10/11 R7 | This form w | vas developed by th | e Compressed A | ir and Gas Institute for the use of | its members. CAGI has not ind | ependently verified the rep | orted data. | |