MATTEI ROTARY VANE AIR COMPRESSOR DATA SHEET - VARIABLE FREQUENCY DRIVE

Model Number: RVD 7i @0hrs  Date: 10-Feb-2021

Cooling Media:  Air-cooled  x  Water-cooled  Oil Injection  x
Inlet Control Scheme:  Load/No Load  x  Modulation  x  Inverter  x
Starting System:  Full Voltage  x  Star-Delta  x  Soft-Start  x

PERFORMANCE SPECIFICATIONS: SPEED, POWER, PRESSURE

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Compression Module Rotational Speed</td>
<td>1100 + 1700</td>
</tr>
<tr>
<td>Nominal Drive Motor Rotational Speed</td>
<td>1100 + 1700</td>
</tr>
<tr>
<td>Drive Motor Nominal Rating</td>
<td>10</td>
</tr>
<tr>
<td>Drive Motor Nominal Efficiency</td>
<td>91.7</td>
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<tr>
<td>Maximum Working Pressure</td>
<td>145</td>
</tr>
<tr>
<td>Rated Operating Pressure</td>
<td>116</td>
</tr>
<tr>
<td>Fan Motor Nominal Rating (if applicable)</td>
<td>0.23</td>
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<tr>
<td>Fan Motor Nominal Efficiency</td>
<td>65</td>
</tr>
</tbody>
</table>

"ZERO HOUR" PERFORMANCE

<table>
<thead>
<tr>
<th>Input Power (kW)</th>
<th>Inverter Range</th>
<th>Capacity (acfm)</th>
<th>Isentropic Efficiency</th>
<th>Specific Power (kW/100 acfm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>9.08</td>
<td>Max</td>
<td>39.6</td>
<td>62.91</td>
<td>22.93</td>
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<tr>
<td>8.47</td>
<td></td>
<td>37.5</td>
<td>63.86</td>
<td>22.59</td>
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<td>7.87</td>
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<td>35.4</td>
<td>64.88</td>
<td>22.23</td>
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<td>7.28</td>
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<td>33.3</td>
<td>65.98</td>
<td>21.86</td>
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<td>6.14</td>
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<td>29.0</td>
<td>68.13</td>
<td>21.17</td>
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<tr>
<td>5.59</td>
<td>Min</td>
<td>26.9</td>
<td>69.41</td>
<td>20.78</td>
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<tr>
<td>3.45</td>
<td></td>
<td>13.5</td>
<td>56.17</td>
<td>25.68</td>
</tr>
</tbody>
</table>

Total Package Input Power at Zero Flow^c,d  1.32  kW

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. No Load Power: In accordance with ISO 1217, Annex E, if measurement of no load power equals less than 1%,

c. manufacturer may state “not significant” or “0” on the test report.

t. Isentropic Efficiency: real performance at flow and pressure as a percent compared to an ideal compression process.

f. Performance at reduced capacity is akin to typical inverter controlled rotary screw compressors at 20-25% speed.