Performance curve for Vacuum pump

Performance curve for Compressor

The performance curves are based on air at a temperature of 15 °C and an atmospheric pressure of 1013 mbar with a tolerance of +/- 10 %.

Each G-2RB type can be applied both as vacuum pump and compressor in continuous operation over the total stated performance curve range. The motors are available as standard for the input voltage range of 50 and 60 Hz and for protection category IP 55 as well as approbated for UL and CSA.

For other conditions please confer with us.
Selection and ordering data

Type 2RB630

<table>
<thead>
<tr>
<th>Curve No.</th>
<th>Order No.</th>
<th>Frequency</th>
<th>Rated power</th>
<th>Input voltage</th>
<th>Input current</th>
<th>Permissible total differential pressure (^0)</th>
<th>Sound pressure level (^\circ)</th>
<th>Weight ca.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>2RB630-7AH06</td>
<td>50</td>
<td>1.6</td>
<td>200D...240D</td>
<td>345Y...415Y</td>
<td>8.5D</td>
<td>4.9Y</td>
<td>-125</td>
</tr>
<tr>
<td></td>
<td>2RB630-7AH06</td>
<td>60</td>
<td>2.05</td>
<td>220D...275D</td>
<td>380Y...480Y</td>
<td>8.8D</td>
<td>5.1Y</td>
<td>-105</td>
</tr>
<tr>
<td>A 281</td>
<td>2RB630-7AH16</td>
<td>50</td>
<td>2.2</td>
<td>200D...240D</td>
<td>345Y...415Y</td>
<td>9.7D</td>
<td>5.6Y</td>
<td>-200</td>
</tr>
<tr>
<td>A 283</td>
<td>2RB630-7AH16</td>
<td>60</td>
<td>2.55</td>
<td>220D...275D</td>
<td>380Y...480Y</td>
<td>10.3D</td>
<td>6.0Y</td>
<td>-170</td>
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<tr>
<td>A 284</td>
<td>2RB630-7AH26</td>
<td>50</td>
<td>3.0</td>
<td>200D...240D</td>
<td>345Y...415Y</td>
<td>12.5D</td>
<td>7.2Y</td>
<td>-240</td>
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<tr>
<td>A 285</td>
<td>2RB630-7AH26</td>
<td>60</td>
<td>3.45</td>
<td>220D...275D</td>
<td>380Y...480Y</td>
<td>12.6D</td>
<td>7.3Y</td>
<td>-210</td>
</tr>
</tbody>
</table>

Changes in particular the quoted performance curve, datas and weights without prior notice. The figures are without obligations.

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All G-2RB achieve the standards and norms of the low voltage directive (LVD) 2006/95/EC, rotating electrotechnical motor EN 60034-1-2004, electromagnetic compatibility(EMC)EN55014-1/2,EN61000-2/-3/-4/-6.

1) For standard UL for ELECTRIC MOTOR UL 1004-1.
2) Relief-valve are available for limiting differential pressure.
3) Measuring-surface sound-pressure level acc. to DIN EN 21680, measured at a distance of 1 m. The pump is throttled to an average suction pressure, a hose is connected to the discharge side (compressor) / suction side (vacuum pump), but is not fitted with relief valves.

The motors are designed according to the DIN EN 60 034 / DIN IEC 34-1 and temperature class F.
For the three phase machines the tolerances are +/- 10 % for fixed voltage and +/- 5 % for voltage range.
The single phase machines are designed with a +/- 5 % tolerances. If only 90 % of the maximum allowed pressure will be used for the continuous operating then the allowed voltage range add to +/- 10 %.
For all single and three phase machines which designed according to the UL and CSA norm (UL 1004-1) the maximum allowed voltage tolerances are - 10 % resp. + 6 %.
The frequency tolerance is maximum +/- 2 %.

Further voltage range on request; please quote in plain text.