DSD2-132 – Dynamic Motors

The DSD2-132 is the perfect acceleration drive as well as the ideal upgrade of the existing DSD2 series as it is able to accelerate up to a maximum of 14000 1/s².

The DSD servo motor, which is designed for highly dynamic applications with the highest requirements on acceleration and the best start-stop qualities, is available in six sizes. The DSD range from Baumüller thereby offers a suitable solution for almost any automation application, such as in:

- Packaging machines
- Textile machines
- Plastics machines
- Handling machines
- Press equipment
- Special machines

be in motion

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- Maximum dynamic response due to excellent torque/inertial mass ratio
- Excellent smooth running characteristics
- High overload capability
- Smooth housing surface – not easily soiled
- Sleek, uniform housing design
- Almost no cogging effect
- Permanent magnet synchronous servo motors
- Main connection via terminal box
- IP54 degree of protection, regardless of cooling method
- Encoders: resolver, SinCos encoder (optional)
- Optionally with brake

DSD2–132 is available in an air-cooled and a water-cooled version.

Technical data

<table>
<thead>
<tr>
<th>Typ</th>
<th>DSD2–028</th>
<th>DSD2–036</th>
<th>DSD2–045</th>
<th>DSD2–056</th>
<th>DSD2–071</th>
<th>DSD2–100</th>
<th>DSD2–132</th>
</tr>
</thead>
<tbody>
<tr>
<td>$P_n$ [kW]</td>
<td>0.3–0.6</td>
<td>0.4–0.9</td>
<td>0.7–2.4</td>
<td>1.3–12</td>
<td>3.0–25</td>
<td>1.9–42</td>
<td>16–108</td>
</tr>
<tr>
<td>$J$ [kgcm²]</td>
<td>0.13–0.2</td>
<td>0.18–0.4</td>
<td>1.0–1.9</td>
<td>3.6–6.6</td>
<td>12–19</td>
<td>52–105</td>
<td>290–760</td>
</tr>
<tr>
<td>$M_0$ [Nm]</td>
<td>0.7–1.2</td>
<td>1.2–2.8</td>
<td>2.7–5.8</td>
<td>7.0–30</td>
<td>17–73</td>
<td>42–210</td>
<td>175–750</td>
</tr>
<tr>
<td>$M_{0\text{MAX}}$ [Nm]</td>
<td>2.0–3.9</td>
<td>2.8–8.4</td>
<td>12–28</td>
<td>25–57</td>
<td>53–105</td>
<td>105–280</td>
<td>360–1050</td>
</tr>
</tbody>
</table>

Subject to change. The values specified are maximum values. For details, please refer to the relevant technical documentation.

11/2016