CM-AMB-400

High-speed active magnetic bearing motor for direct drive of applications with highest speeds.

- Operation in vacuum or special atmosphere possible
- Minimum volume thanks to integration of torque generation and magnetic bearing in designed space
- Highest speeds for magnetic bearings thanks to slotless winding technology
- Stator winding and back iron configuration for bearing forces without eddy current losses and without reactive power demand up to highest speeds
- The modular construction allows for radial or axial beams with the corresponding rotor

<table>
<thead>
<tr>
<th>Specifications</th>
<th>Value</th>
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</thead>
<tbody>
<tr>
<td>Pole-pair number</td>
<td>1</td>
</tr>
<tr>
<td>Rated speed</td>
<td>400,000 rpm</td>
</tr>
<tr>
<td>Rated power</td>
<td>250 W</td>
</tr>
<tr>
<td>Rated torque</td>
<td>6 mNm</td>
</tr>
<tr>
<td>Weight</td>
<td>600 g</td>
</tr>
</tbody>
</table>
Options

Custom specific rotor
Custom specific casing modifications
Custom specific winding options

Optional Services for custom specific rotor-loads

Integration of applications
Rotordynamics design
Balancing
Mechanical design

Controller CC-AMB-1500 (supplied with motor)

Magnetic bearing controller
Motor controller
Control with PC-Software CelerotonPilot

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