ELECTROMAGNETIC PARTICLE BRAKE

EMAG 90

Specifications

<table>
<thead>
<tr>
<th>Spec</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nominal torque</td>
<td>120 Nm</td>
</tr>
<tr>
<td>Minimal torque</td>
<td>1.2 Nm</td>
</tr>
<tr>
<td>Coil resistance - 20°C</td>
<td>Ohms</td>
</tr>
<tr>
<td>Rated current DC</td>
<td>A</td>
</tr>
<tr>
<td>Rotor inertia</td>
<td>26.5.10-3 kg.m²</td>
</tr>
<tr>
<td>Weight</td>
<td>17 kg</td>
</tr>
<tr>
<td>Heat dissipation</td>
<td>W *</td>
</tr>
<tr>
<td>Continuously sustained</td>
<td></td>
</tr>
</tbody>
</table>

* Heat dissipation is the mechanical power \( P = cw \) maximum allowable.

Application Notes

- Lubricated for life (other internal lubrication not required).
  - The shaft should be lubricated upon assembly, to prevent seizing.
- For use with Cleveland-Kidder® 2 Amp, 24 VDC power supply (Model EMAG-PS2)
  - The standard device is designed for horizontal shaft orientation, and a minimal speed of 60 RPM. Maximum speed is 3000 RPM (without exceeding the max. heat dissipation capability).
- For Engineering application, please contact our technical support.
- In normal use, the outside temperature of the device can increase up to 100°C, without damage.

- Easy Electric Remote Control
- Low Power Consumption
- High Level of Torque Stability
- Highest Torque Density
- No Dust
- Noiseless
- Easy Installation
- Maintenance-Free Bearing
Specifications

Nominal torque  120  Nm  ft.lb  90  Nm  ft.lb
Minimal torque  1.2  Nm  ft.lb  0.9
Coil resistance - 20°C  Ohms  12.5
Rated current DC  A  1.1
Rotor inertia  26.5.10^-3  kg.m²  lb.ft  2  615.10^-3
Weight  25  kg  lb  55.1
Heat dissipation  W *  Continuously sustained with heat sink – H  550
Continuously sustained with heat sink and blower – HB  1900

* Heat dissipation is the mechanical power (P = cw) maximum allowable.

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INDUSTRIAL PRODUCTS

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