Specifications

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nominal torque</td>
<td>65 Nm ft.lb 50</td>
</tr>
<tr>
<td>Minimal torque</td>
<td>0.63 Nm ft.lb 0.45</td>
</tr>
<tr>
<td>Coil resistance - 20°C</td>
<td>0 Ohms 20</td>
</tr>
<tr>
<td>Rated current DC</td>
<td>1 A</td>
</tr>
<tr>
<td>Rotor inertia</td>
<td>2.10-3 kg.m² lb.ft 46</td>
</tr>
<tr>
<td>Weight</td>
<td>7.2 kg lb 15.9</td>
</tr>
<tr>
<td>Heat dissipation</td>
<td>W * 125</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

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nominal torque</td>
<td>65 N·m (50 ft·lb)</td>
</tr>
<tr>
<td>Minimal torque</td>
<td>0.63 N·m (0.45 ft·lb)</td>
</tr>
<tr>
<td>Coil resistance - 20°C</td>
<td>20 Ohms</td>
</tr>
<tr>
<td>Rated current DC</td>
<td>1 A</td>
</tr>
<tr>
<td>Rotor inertia</td>
<td>2.10⁻³ kg·m² (1.02 lb·ft)</td>
</tr>
<tr>
<td>Weight</td>
<td>11 kg (24.2 lb)</td>
</tr>
<tr>
<td>Heat dissipation</td>
<td>W *</td>
</tr>
<tr>
<td>Continuously sustained with heat sink – H</td>
<td>250</td>
</tr>
<tr>
<td>Continuously sustained with heat sink and blower – HB</td>
<td>1300</td>
</tr>
</tbody>
</table>

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### ELECTROMAGNETIC PARTICLE BRAKE

**EMAG 50H**

- Easy Electric Remote Control
- Low Power Consumption
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**EMAG 50HB**

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- No Dust
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Cleveland Kidder®

INDUSTRIAL PRODUCTS

7550 Hub Parkway
Cleveland, OH 44125-5794
Tel: 216-524-8800 or (800)-321-8072
Fax: 216-642-2100
www.CMCcontrols.com