ELWOOD
HYGIENIC SERIES SERVO MOTORS
Elwood Hygienic Servo Motors

Features

Design:
- 316/316L stainless housing, max corrosion resistance
- No sharp inside corners
- Clean-in-place

Finish:
- N6 (<32μm, 0.8μm)
- Improve cleaning performance & limit crevices for pathogens
- Materials:
  - Shaft and housing seals: FDA approved
  - Bearings/grease: NSF H1 food grade
  - Cables: resistant to standard cleaning chemicals
  - Cable gland(s): hygienic grade
  - Nameplate: laser burned

Approvals & Compliance:
- IP66 for continuous flood while in operation and complete protection against dust.
- IP69/IP69k for high pressure, high temperature while not in operation
- EHEDG, UL (cRUus), CE, RoHS
- Approvals/tests pending
Elwood Hygienic Servo Motors

Options

Output:
- Torque, continuous: 1 - 22Nm
- Torque, peak: 3.8 – 50 Nm
- Power, continuous (s1): 0.4 – 4.4 KW
  (Output Projections)

Sizes:
- Four flange sizes: 80mm, 98mm, 113mm, 132mm
- B14 ("C" Face) standard, B5 ("D" Flange) optional

Voltage:
- Windings for 240vac & 460vac standard

Feedback:
- Incremental, standard: optical encoder, resolver
- Absolute, standard: Hiperface, Hiperface DSL
- Absolute, optional (extended delivery): EnDat 2.1 & 2.2, BiSS, Drive Cliq

Cable:
- Single lead exit or dual-radial lead exit, standard
- Length: 5m standard, other lengths optional

Brake:
- Optional, spring set, holding, 24VDC coil
**Elwood Hygienic Servo Motors**

**Specifications**

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### Performance Data

<table>
<thead>
<tr>
<th>Model</th>
<th>Torque, Stall (Nm)</th>
<th>Power, Cont. (KW)</th>
<th>Speed, Rated / Max (RPM)</th>
<th>Torque, At Speed (Nm)</th>
<th>Torque, Peak (Nm)</th>
<th>Inertia (kg·m²)</th>
</tr>
</thead>
<tbody>
<tr>
<td>M423-T</td>
<td>0.8</td>
<td>0.50</td>
<td>6000 / 8000</td>
<td>0.7 / 0.7</td>
<td>3.1</td>
<td>0.00001</td>
</tr>
<tr>
<td>M522-G1</td>
<td>1.3</td>
<td>0.35</td>
<td>3000 / 5000</td>
<td>1.1 / 0.65</td>
<td>3.6</td>
<td>0.00003</td>
</tr>
<tr>
<td>M532-G</td>
<td>2.4</td>
<td>0.65</td>
<td>3000 / 5000</td>
<td>1.9 / 1.2</td>
<td>7.2</td>
<td>0.00012</td>
</tr>
<tr>
<td>M542-G</td>
<td>3.2</td>
<td>0.88</td>
<td>3000 / 4000</td>
<td>2.7 / 2.1</td>
<td>8.8</td>
<td>0.00027</td>
</tr>
<tr>
<td>M552-G1</td>
<td>6.4</td>
<td>1.75</td>
<td>3000 / 5000</td>
<td>5.1 / 3.3</td>
<td>19</td>
<td>0.00050</td>
</tr>
<tr>
<td>M562-G</td>
<td>10.0</td>
<td>2.60</td>
<td>3000 / 4500</td>
<td>8.0 / 5.5</td>
<td>28</td>
<td>0.00127</td>
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<tr>
<td>M572-G</td>
<td>28.0</td>
<td>4.40</td>
<td>1500 / 3000</td>
<td>22.4 / 13.0</td>
<td>70</td>
<td>0.00775</td>
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</tbody>
</table>

### Dimensions (mm)

<table>
<thead>
<tr>
<th>Model</th>
<th>Pilot Diameter (ØN)</th>
<th>Flange Diameter (ØP)</th>
<th>Shaft Diameter (ØD)</th>
<th>Shaft Extension</th>
<th>Mounting Bolt Circle</th>
<th>Mounting Hole Thread</th>
<th>Overall Length</th>
<th>Length to Lead Exit</th>
<th>Housing Diameter</th>
<th>Pilot Height</th>
</tr>
</thead>
<tbody>
<tr>
<td>M423-T</td>
<td>40 h7</td>
<td>80</td>
<td>14 h6</td>
<td>30</td>
<td>65</td>
<td>M5-0.8 x 8</td>
<td>250</td>
<td>200</td>
<td>75</td>
<td>2.5</td>
</tr>
<tr>
<td>M522-G1</td>
<td>40 h7</td>
<td>80</td>
<td>14 h6</td>
<td>30</td>
<td>65</td>
<td>M5-0.8 x 8</td>
<td>205</td>
<td>170</td>
<td>75</td>
<td>2.5</td>
</tr>
<tr>
<td>M532-G</td>
<td>70 h7</td>
<td>98</td>
<td>19 h6</td>
<td>40</td>
<td>85</td>
<td>M6-1.0 x 9</td>
<td>220.5</td>
<td>173.4</td>
<td>98</td>
<td>2.5</td>
</tr>
<tr>
<td>M542-G</td>
<td>80 h7</td>
<td>113</td>
<td>19 h6</td>
<td>40</td>
<td>100</td>
<td>M6-1.0 x 9</td>
<td>221.5</td>
<td>173.9</td>
<td>111</td>
<td>2.5</td>
</tr>
<tr>
<td>M552-G1</td>
<td>95 h7</td>
<td>132</td>
<td>24 h6</td>
<td>50</td>
<td>115</td>
<td>M8-1.25 x 12</td>
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<td>250</td>
<td>120</td>
<td>3.0</td>
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<tr>
<td>M562-G</td>
<td>95 h7</td>
<td>132</td>
<td>24 h6</td>
<td>50</td>
<td>115</td>
<td>M8-1.25 x 12</td>
<td>300</td>
<td>250</td>
<td>130</td>
<td>3.0</td>
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<tr>
<td>M572-G</td>
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<td>32 h6</td>
<td>58</td>
<td>165</td>
<td>M8-1.25 x 12</td>
<td>350</td>
<td>300</td>
<td>185</td>
<td>3.5</td>
</tr>
</tbody>
</table>

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* Projected data and dimensions, subject to change.
** Length specified for single cable and dual-radial lead exit. Add ~30mm for dual-inline lead exit.

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