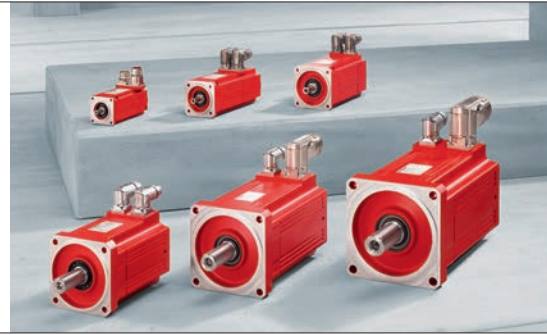


CMP Synchronous Servomotor

Low Inertia Line for Dynamic Performance

Full integration into MOVI-C® automation platform



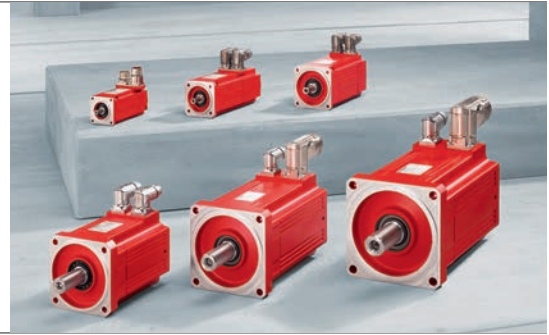
<p>General Benefits</p>	<ul style="list-style-type: none"> • Highest dynamic characteristics throughout the entire CMP.. range thanks to the low-inertia rotor design and high overload capacity of the motors • Optional CMPZ.. motor variant with increased rotor inertia for all applications with high load moments of inertia • Performance-optimized and extremely compact design thanks to the latest winding and magnet technology • Standstill torques from 0.5 Nm to 95 Nm • High quality of concentric running characteristics • Direct mounting of the motor on a gear unit from our modular gear unit system • UL / CSA / CE certified • Single cable technology available • Digital Motor Integration (MOVILINK® DDI) provides motor / encoder / temperature / startup data 																																																																
<p>Typical Industries</p>	<ul style="list-style-type: none"> • Food and beverage • Construction • Automotive • Packaging • Wood and Plastic • Material Handling 																																																																
<p>General product info Performance Overview</p>	<table border="1"> <thead> <tr> <th></th> <th>Size 40</th> <th>Size 50</th> <th>Size 63</th> <th>Size 71</th> <th>Size 80</th> <th>Size 100</th> <th>Size 112</th> </tr> </thead> <tbody> <tr> <td>M₀ Standstill torque [Nm]</td> <td>0.5 – 0.8</td> <td>1.3 – 3.3</td> <td>2.9 – 7.1</td> <td>6.4 -13.1</td> <td>13.4 – 27.5</td> <td>25.5 – 47</td> <td>30 - 95</td> </tr> <tr> <td>M_{pk} Dyn. Limit Torque [Nm]</td> <td>1.9 – 3.8</td> <td>5.2 – 15.4</td> <td>11.1 – 30.4</td> <td>19.2 - 46.9</td> <td>42.1 – 62.6</td> <td>68.3 – 178.8</td> <td>88 - 320</td> </tr> <tr> <td>Flange Square [mm]</td> <td>57</td> <td>73</td> <td>88</td> <td>116</td> <td>138</td> <td>163</td> <td>190</td> </tr> <tr> <td>Inertia [kgcm³]</td> <td>0.1 – 0.15</td> <td>0.42 – 0.92</td> <td>1.15 – 2.69</td> <td>3.1 – 6.1 9.32 – 12.47*</td> <td>8.8 – 18.1 27.18 – 36.51*</td> <td>19.59 – 40.24 79.76 – 100.41*</td> <td>74 - 222</td> </tr> <tr> <td>Speed [min⁻¹]</td> <td colspan="7">2000 / 3000 / 4500 / 6000</td> </tr> <tr> <td></td> <td colspan="7">Size 40 is available in size S / M; size 50 – 100 in size S / M / L; size 112 in S / M / L / H / E</td> </tr> <tr> <td></td> <td colspan="7">* CMPZ version for increased motor inertia</td> </tr> </tbody> </table>		Size 40	Size 50	Size 63	Size 71	Size 80	Size 100	Size 112	M₀ Standstill torque [Nm]	0.5 – 0.8	1.3 – 3.3	2.9 – 7.1	6.4 -13.1	13.4 – 27.5	25.5 – 47	30 - 95	M_{pk} Dyn. Limit Torque [Nm]	1.9 – 3.8	5.2 – 15.4	11.1 – 30.4	19.2 - 46.9	42.1 – 62.6	68.3 – 178.8	88 - 320	Flange Square [mm]	57	73	88	116	138	163	190	Inertia [kgcm³]	0.1 – 0.15	0.42 – 0.92	1.15 – 2.69	3.1 – 6.1 9.32 – 12.47*	8.8 – 18.1 27.18 – 36.51*	19.59 – 40.24 79.76 – 100.41*	74 - 222	Speed [min⁻¹]	2000 / 3000 / 4500 / 6000								Size 40 is available in size S / M; size 50 – 100 in size S / M / L; size 112 in S / M / L / H / E								* CMPZ version for increased motor inertia						
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PRODUCT BRIEF

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Options	
Brake System	<p>/BP Holding Brake for CMP 71-100, all CMPZ (spring loaded brake) /BK Holding Brake for CMP 40-63 (permanent magnet brake) /BY*** Working Brake for CMPZ 71-100, CMP 112 (permanent magnet brake) /HR Manual brake release for CMP71-112, all CMPZ</p> <p>*** Safety brake options: SBA for safe deceleration, SBH for safe hold</p>
Ventilation	<p>/NR Forced cooling fan CMP50-112</p>
Corrosion Protection	<p>KS corrosion protection and OS surface protection</p>
Degree of Protection	<p>IP65 (IP66 as an option)</p>
Operating conditions	<p>-4 deg F to +104 deg F / -20C to +40C Derating for temperature range up to 140 deg F / +60 deg C and up to 13,123ft / 4,000m</p>