SERVO MOTOR

Specification Description

EMG - 10 A F D 2 4

SERVO MOTOR

EMG Servo Motor Rated Value and Specification

<table>
<thead>
<tr>
<th>Voltage</th>
<th>200VAC / 400VAC</th>
</tr>
</thead>
<tbody>
<tr>
<td>Servo Motor model</td>
<td>200DF□□</td>
</tr>
<tr>
<td>Rated Output Power</td>
<td>kW</td>
</tr>
<tr>
<td>Rated Torque</td>
<td>N·m</td>
</tr>
<tr>
<td>Encoder</td>
<td>20-bit Incremental Encoder, 23-bit Absolute Encoder</td>
</tr>
<tr>
<td>Insulation Class</td>
<td>F</td>
</tr>
<tr>
<td>Ambient Temperature</td>
<td>0 ~ +40℃ (No freezing)</td>
</tr>
<tr>
<td>Ambient Humidity</td>
<td>20%~80% RH (Non-condensing)</td>
</tr>
<tr>
<td>Vibration</td>
<td>≤2.5ms²</td>
</tr>
<tr>
<td>Enclosure</td>
<td>Totally Enclosed, Self-cooled, IP65 (Except for shaft opening, when not equipped with oil seal)</td>
</tr>
</tbody>
</table>

Note: Values in parentheses are for servo motors with holding brakes.
**EMG Dimension**

- **Note:** The values in parentheses are for servo motors with holding brakes.

### EMG Torque-Speed Feature

- **EMG-10**
  - Torque [N.m]:
    - Speed [r/min]:
      - 0: 500
      - 0: 1000
      - 0: 1500
      - 0: 2000
      - 0: 2500
      - 0: 3000
      - 0: 3500
- **EMG-15**
  - Torque [N.m]:
    - Speed [r/min]:
      - 0: 500
      - 0: 1000
      - 0: 1500
      - 0: 2000
      - 0: 2500
      - 0: 3000
- **EMG-20**
  - Torque [N.m]:
    - Speed [r/min]:
      - 0: 500
      - 0: 1000
      - 0: 1500
      - 0: 2000
      - 0: 2500
      - 0: 3000
- **EMG-30**
  - Torque [N.m]:
    - Speed [r/min]:
      - 0: 500
      - 0: 1000
      - 0: 1500
      - 0: 2000
      - 0: 2500
      - 0: 3000

- **EMG-50**
  - Torque [N.m]:
    - Speed [r/min]:
      - 0: 500
      - 0: 1000
      - 0: 1500
      - 0: 2000
      - 0: 2500
      - 0: 3000

### EMG-90

<table>
<thead>
<tr>
<th>Model</th>
<th>L</th>
<th>LL</th>
<th>KB1</th>
<th>KB2</th>
<th>KL1</th>
<th>KL2</th>
<th>Flange Side</th>
<th>S</th>
<th>Tag Depth</th>
<th>OK</th>
<th>OL</th>
<th>W</th>
<th>T</th>
<th>U</th>
</tr>
</thead>
<tbody>
<tr>
<td>EMG-10B/D</td>
<td>203 (245.9)</td>
<td>148 (190.5)</td>
<td>80 (103.2)</td>
<td>131.5 (174)</td>
<td>80.5 (105.3)</td>
<td>55</td>
<td>4</td>
<td>12</td>
<td>130</td>
<td>145</td>
<td>110</td>
<td>9</td>
<td>22</td>
<td>M6×20</td>
</tr>
<tr>
<td>EMG-15B/D</td>
<td>225 (267.5)</td>
<td>170 (212.5)</td>
<td>102 (125.2)</td>
<td>153.0 (189)</td>
<td>103.2 (132.5)</td>
<td>79</td>
<td>3.2</td>
<td>18</td>
<td>180</td>
<td>200</td>
<td>154.3</td>
<td>13.5</td>
<td>35</td>
<td>M6×16</td>
</tr>
<tr>
<td>EMG-20B/D</td>
<td>247 (289.5)</td>
<td>152 (174.2)</td>
<td>124 (147.2)</td>
<td>175.3 (216)</td>
<td>125.2 (157.5)</td>
<td>79</td>
<td>3.2</td>
<td>18</td>
<td>180</td>
<td>200</td>
<td>154.3</td>
<td>13.5</td>
<td>35</td>
<td>M6×16</td>
</tr>
<tr>
<td>EMG-30B/D</td>
<td>307 (379)</td>
<td>228 (299)</td>
<td>183 (243)</td>
<td>221.5 (299)</td>
<td>225 (299)</td>
<td>79</td>
<td>3.2</td>
<td>18</td>
<td>180</td>
<td>200</td>
<td>154.3</td>
<td>13.5</td>
<td>35</td>
<td>M6×16</td>
</tr>
</tbody>
</table>

Unit: mm

- **Note:** The values in parentheses are for servo motors with holding brakes.

**EMG-90**

- **Flange Side**
- **S**
- **Tag Depth**
- **OK**
- **OL**
- **W**
- **T**
- **U**

**EMG Dimension**

### EMG Torque-Speed Feature

- **EMG-10**
  - Torque [N.m]:
    - Speed [r/min]:
      - 0: 500
      - 0: 1000
      - 0: 1500
      - 0: 2000
      - 0: 2500
      - 0: 3000
  - **A:** Continuous Working Area
  - **B:** Repeatedly Working Area

- **EMG-15**
  - Torque [N.m]:
    - Speed [r/min]:
      - 0: 500
      - 0: 1000
      - 0: 1500
      - 0: 2000
      - 0: 2500
      - 0: 3000
  - **A:** Continuous Working Area
  - **B:** Repeatedly Working Area

- **EMG-20**
  - Torque [N.m]:
    - Speed [r/min]:
      - 0: 500
      - 0: 1000
      - 0: 1500
      - 0: 2000
      - 0: 2500
      - 0: 3000
  - **A:** Continuous Working Area
  - **B:** Repeatedly Working Area

- **EMG-30**
  - Torque [N.m]:
    - Speed [r/min]:
      - 0: 500
      - 0: 1000
      - 0: 1500
      - 0: 2000
      - 0: 2500
      - 0: 3000
  - **A:** Continuous Working Area
  - **B:** Repeatedly Working Area

- **EMG-50**
  - Torque [N.m]:
    - Speed [r/min]:
      - 0: 500
      - 0: 1000
      - 0: 1500
      - 0: 2000
      - 0: 2500
      - 0: 3000
  - **A:** Continuous Working Area
  - **B:** Repeatedly Working Area

**A:** Continuous Working Area  **B:** Repeatedly Working Area