**EDC-08 - Servo System**

- **Input Voltage Range of** 187-242 VAC
- **Rated Torque of** 338 oz-in
- **750 Watt Power Rating**
- **No Load Speed up to** 4,500 RPM
- **2,500 PPR Incremental Encoder**
- **Enclosed and Self-Cooled**
- **Oil Seal and Optional Brake**
- **RS232 and CAN Communication**
- **Real Time Monitoring and Management**
- **Position and Speed Control**
- **Optional Handheld Controller**

The EDC-08 servo system includes a 750 Watt EMJ motor operated by the EDC drive. These packages are ideal for quick and easy start-ups, convenience and performance! The servo motors included in these packages provide up to 338 oz-in of rated torque. The EDC drives are designed to switch dynamically among the different control modes for convenient and flexible operation. These drives operate standard with RS232 communication and are a great fit for position control requirements. Each system includes a 5m power cable, 5m encoder cable, and a 3m communication cable.

<table>
<thead>
<tr>
<th>Item Number</th>
<th>Rated Output (W)</th>
<th>Rated Speed (RPM)</th>
<th>Rated Torque (oz-in)</th>
<th>Rated Current (A rms)</th>
<th>Inertia (oz-in-sec^2)</th>
<th>Torque Constant Kt (oz-in/A)</th>
<th>Resistance (ohms)</th>
<th>Inductance (mH)</th>
<th>Driver Digital Display</th>
<th>Brake (24VDC)</th>
<th>Motor Length (mm)</th>
<th>Shaft Diameter (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDC-08-A-JP22</td>
<td>0.75 kW</td>
<td>3000</td>
<td>338</td>
<td>4.0</td>
<td>0.0191</td>
<td>86.8</td>
<td>2.0</td>
<td>16.5</td>
<td>No</td>
<td>No</td>
<td>138</td>
<td>19.00</td>
</tr>
<tr>
<td>EDC-08-A-JP24</td>
<td>0.75 kW</td>
<td>3000</td>
<td>338</td>
<td>4.0</td>
<td>0.0208</td>
<td>86.8</td>
<td>2.0</td>
<td>16.5</td>
<td>No</td>
<td>Yes</td>
<td>181</td>
<td>19.00</td>
</tr>
<tr>
<td>EDC-08-A-JP22-C</td>
<td>0.75 kW</td>
<td>3000</td>
<td>338</td>
<td>4.0</td>
<td>0.0191</td>
<td>86.8</td>
<td>2.0</td>
<td>16.5</td>
<td>Handheld Controller</td>
<td>No</td>
<td>138</td>
<td>19.00</td>
</tr>
<tr>
<td>EDC-08-A-JP24-C</td>
<td>0.75 kW</td>
<td>3000</td>
<td>338</td>
<td>4.0</td>
<td>0.0208</td>
<td>86.8</td>
<td>2.0</td>
<td>16.5</td>
<td>HandHeld Controller</td>
<td>Yes</td>
<td>181</td>
<td>19.00</td>
</tr>
</tbody>
</table>

**EDC - 08 - A - J P 2 2 - C**

- Rated Output: 08 0.75 kW
- Motor: J EMJ
- Option: 2 With Oil Seal
- Option: 4 With Oil Seal and Brake (DC 24V)
- Handheld Controller: C Included
- Handheld Controller: Blank Not Included

L010952

4985 East Landon Drive Anaheim, CA 92807  Tel. (714) 992-6990  Fax. (714) 992-0471  www.anaheimautomation.com
### EMJ-08 Motor Specifications

- **Rated Torque of 338 oz-in**
- **3-Phase, 200VAC**
- **Rated Power up to 750 Watts**
- **Peak Torque up to 300% of Rated Torque**
- **Peak Current up to 300% of Rated Current**
- **No Load Speed of up to 4,500 RPM**
- **2,500 PPR Incremental Encoder Attached**
- **Full Enclosed and Self-Cooled**
- **Optional Brake Available**
- **Neodymium-Iron-Boron Magnets (NdFeB)**
- **CE Certified**

### Specifications

<table>
<thead>
<tr>
<th>Item Number</th>
<th>Rated Power (Watts)</th>
<th>Rated Speed (RPM)</th>
<th>Max Speed (RPM)</th>
<th>Rated Torque (oz-in)</th>
<th>Rated Current (A rms)</th>
<th>Max Current (A rms)</th>
<th>Inertia (oz-in-sec²)</th>
<th>Electric Time Constant ( T_e ) (ms)</th>
<th>Back EMF Voltage ( V_{EMF} ) (V/kRPM)</th>
<th>Torque Constant ( K_T ) (oz-in/A)</th>
<th>Max Length ( L ) (mm)</th>
<th>Resistance (ohms)</th>
<th>Weight (lbs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>EMJ-08APB22</td>
<td>750</td>
<td>3000</td>
<td>4500</td>
<td>338</td>
<td>4.0</td>
<td>12</td>
<td>0.0191</td>
<td>11.0</td>
<td>39</td>
<td>86.8</td>
<td>138</td>
<td>2.0</td>
<td>7.72</td>
</tr>
<tr>
<td>EMJ-08APB24</td>
<td>750</td>
<td>3000</td>
<td>4500</td>
<td>338</td>
<td>4.0</td>
<td>12</td>
<td>0.0208</td>
<td>11.0</td>
<td>39</td>
<td>86.8</td>
<td>181</td>
<td>2.0</td>
<td>7.72</td>
</tr>
</tbody>
</table>

### Dimensions

- **Dimensions are in mm**

- **Motor Connector**
  - Plug: 172167-1 (AMP)
  - Pins: 170360-1 (AMP)

- **Encoder Connector**
  - Plug: 172169-1 (AMP)
  - Pins: 170359-3 (AMP)
EDC-08 Driver Specifications

- Input Voltage Range of 187-242 VAC
- Rated Power up to 750 Watts
- High Overload Capacity
- RS232 Communication Interface
- EView Communication Software
- Parameter Management
- Real Time Monitoring and Adjustment
- Position and Speed Control
- Optional Handheld Controller Available
- CE Certified

EMJ-08A

Motor Speed (RPM)

0 1000 2000 3000 4000 5000

Torque (oz-in)

0 283 566 850 1133

A - Continuous Working Area
B - Repeatedly Working Area

Dimensions are in mm
**Compatible Drivers**

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDC-08APE</td>
<td>Servo Driver</td>
</tr>
</tbody>
</table>

**Compatible Motors**

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDC-04APE</td>
<td>Servo Driver</td>
</tr>
</tbody>
</table>

**Compatible Cables**

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>CDM-JB18-05</td>
<td>Power Cable</td>
</tr>
<tr>
<td>CMP-JB26-05</td>
<td>Encoder Cable</td>
</tr>
<tr>
<td>EDC-CSC-CC24A-02</td>
<td>Comm. Cable</td>
</tr>
</tbody>
</table>