**EDC-04 - Servo System**

- Input Voltage Range of 187-242VAC
- Rated Torque of 180 oz-in
- 400 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-04 servo system includes a 400 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 180 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>System</th>
<th>Rated Speed (RPM)</th>
<th>Rated Torque (oz-in)</th>
<th>Rated Current (A rms)</th>
<th>Inertia (oz-in-sec²)</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>
<th>Option</th>
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</thead>
<tbody>
<tr>
<td>EDC-04-A-JP22</td>
<td>3000</td>
<td>180</td>
<td>2.7</td>
<td>0.00439</td>
<td>79.9</td>
<td>4.7</td>
<td>13.3</td>
<td>No</td>
<td>No</td>
<td>131</td>
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<td>13.3</td>
<td>No</td>
<td>Yes</td>
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<td>14.0</td>
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<td>Handheld Controller</td>
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<td>13.3</td>
<td>Yes</td>
<td>Handheld Controller</td>
<td>171</td>
<td>14.0</td>
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</tbody>
</table>

**EDC - 04 - A - JP22 - C**

- Rated Output: 04 0.4 kW
- Motor: J EMJ
- Option: 2 With Oil Seal
  4 With Oil Seal and Brake (DC 24V)
- Handheld Controller: C Included
  Blank Not Included
**EMJ-04 Motor Specifications**

- Rated Torque of 180 oz-in
- 3-Phase, 200VAC
- Rated Power up to 400 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

### Motor Specifications

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<td>79.9</td>
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- Dimensions are in mm

**DIMENSIONS**

**FEATURES**

**SPECIFICATIONS**

**4985 East Landon Drive Anaheim, CA 92807**  **Tel. (714) 992-6990**  **Fax. (714) 992-0471**  **www.anaheimautomation.com**
EDC-04 Driver Specifications

- Input Voltage Range of 187-242 VAC
- Rated Power up to 400 Watts
- High Overload Capacity
- RS232 Communication Interface
- ESView Communication Software
- Parameter Management
- Real Time Monitoring and Adjustment
- Position and Speed Control
- Optional Handheld Controller Available
- CE Certified

Dimensions are in mm

EMJ-04A

A - Continuous Working Area
B - Repeatedly Working Area

Motor Speed (RPM)

Torque (oz-in)
Single-Phase: 187-242VAC
50/60Hz

Non-fuse circuit breaker
Surge Suppressors
Lightning protectors

Noise filter: Design with European Standard

Electromagnetic Contactor: Cuts off the voltage supply in an emergency

1MC

Regeneration unit

EDC Servo drive

Motor
Encoder

+24V
PG dividing ratio output

PAO/PAO
PBO/PBO
PCO/PCO

Servo ON
(Servo ON When ON)
Alarm reset
(Reset when ON)
Clear deviation
(Clear when ON)
Zero point signal
(Search zero position when ON)

PL
Power supply
for open collector

+24VIN

S-ON

PG

S-ON

3.3K

NO

CLT

CLR

CLR

2PS

2K

1CN

11 150
12 13 150
14 8 18 10 20

15 16

17

FG Connector shield

Connect shield to connector shell

Alarm output

CLT torque limit output
(ON when exceed preset value)
S-RDY servo ready
(ON when ready)
C-Pulse Encoder C-Pulse output

COIN positioning complete
(ON when positioning completes; BK brake interlock output
(ON when BK signal output)

Photocoupler:
Max Voltage DC30V
Max Current DC50mA

*The functions allocated to the output signals Pin3 to Pin4 can be changed by using the parameters.
## Compatible Drives

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
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<tbody>
<tr>
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<td>Servo Driver</td>
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## Compatible Motors

<table>
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<th>Part Number</th>
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<tr>
<td>EMJ-04APB22</td>
<td>Servo Motor</td>
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<td>EMJ-04APB24</td>
<td>Servo Motor</td>
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</table>

## Compatible Cables

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