

# EDC-04 - Servo System



FEATURES

- **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**

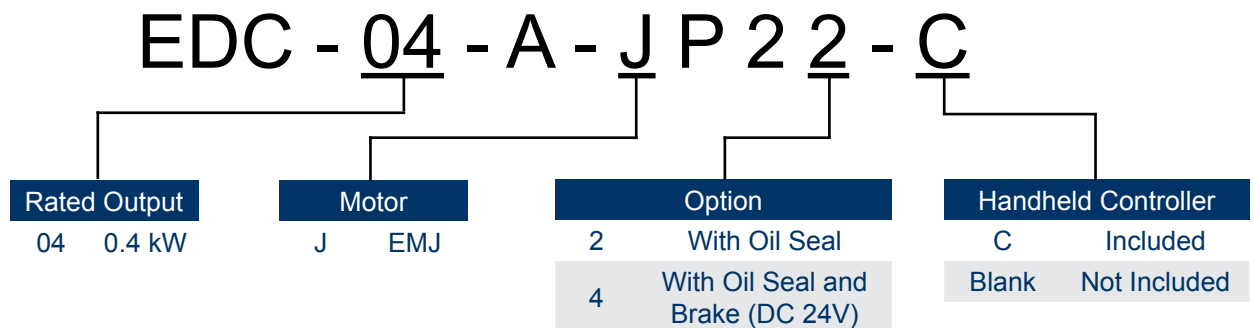


DESCRIPTION

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.

System Specs	Rated Speed (RPM)	Rated Torque (oz-in)	Rated Current (A rms)	Inertia (oz-in-sec <sup>2</sup> )	Torque Constant K <sub>T</sub> (oz-in/A)	Resistance (ohms)	Inductance (mH)	Driver Digital Display	Brake (24VDC)	Motor Length (mm)	Shaft Diameter (mm)
EDC-04-A-JP22	3000	180	2.7	0.00439	79.9	4.7	13.3	No	No	131	14.0
EDC-04-A-JP24	3000	180	2.7	0.00496	79.9	4.7	13.3	No	Yes	171	14.0
EDC-04-A-JP22-C	3000	180	2.7	0.00439	79.9	4.7	13.3	Handheld Controller	No	131	14.0
EDC-04-A-JP24-C	3000	180	2.7	0.00496	79.9	4.7	13.3	HandHeld Controller	Yes	171	14.0

ORDERING INFORMATION



L010951

# EMJ-04 Motor Specifications

FEATURES

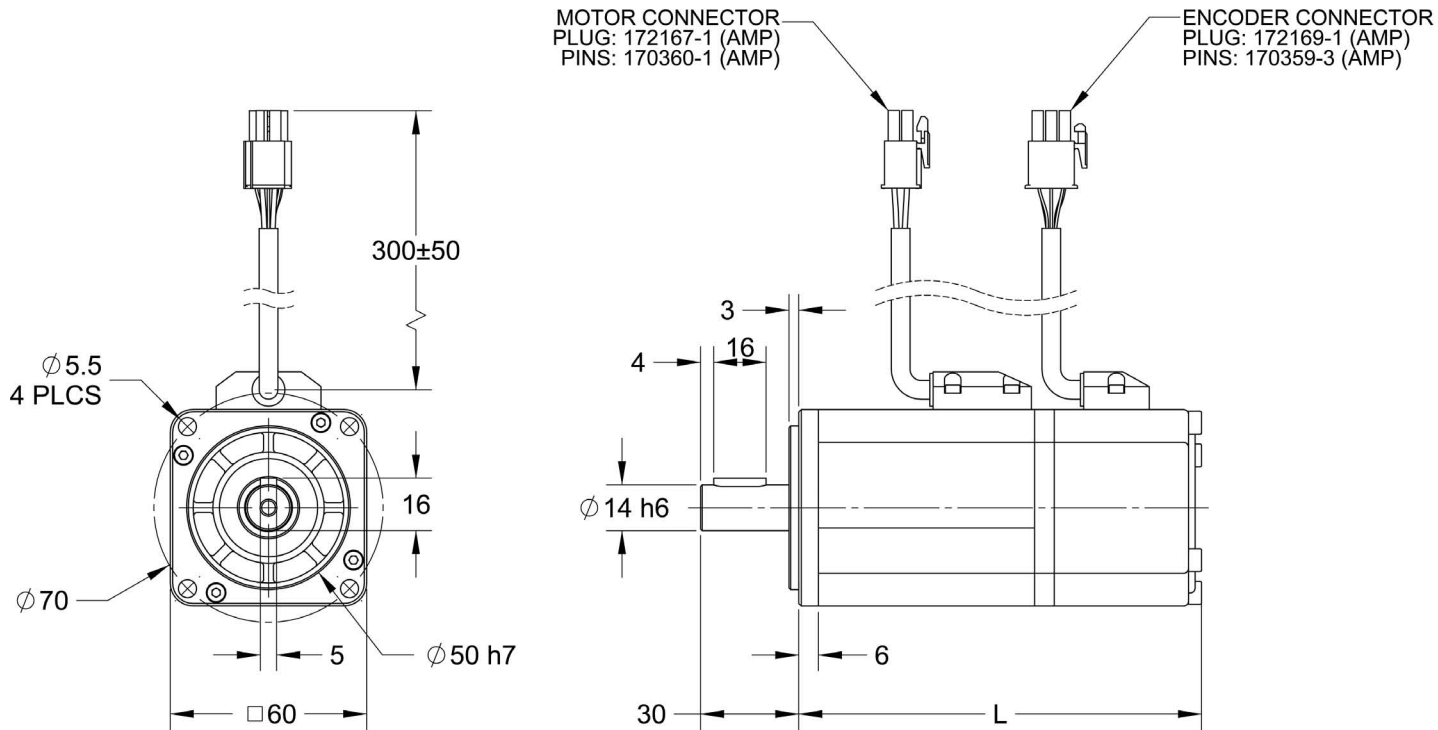
- Rated Torque of 180 oz-in
- 3-Phase, 200VAC
- Rated Power up to 400 Watts
- Peak Torque up to 300% of Rated Torque
- Peak Current up to 300% of Rated Current
- No Load Speed of up to 4,500 RPM
- 2,500 PPR Incremental Encoder Attached
- Full Enclosed and Self-Cooled
- Optional Brake Available
- Neodymium-Iron-Boron Magnets (NdFeB)
- CE Certified



SPECIFICATIONS

Motor Specifications	Rated Power (Watts)	Rated Speed (RPM)	Max Speed (RPM)	Rated Torque (oz-in)	Rated Current (A rms)	Max Current (A rms)	Inertia (oz-in-sec <sup>2</sup> )	Electric Time Constant T <sub>E</sub> (ms)	Back EMF Voltage K <sub>E</sub> (V/kRPM)	Torque Constant K <sub>T</sub> (oz-in/A)	Max Length L (mm)	Resistance (ohms)	Weight (lbs)
EMJ-04APB22	400	3000	4500	180	2.7	8.1	0.00439	2.979	31.63	79.9	131	4.7	5.52
EMJ-04APB24	400	3000	4500	180	2.7	8.1	0.00496	2.979	31.63	79.9	171	4.7	5.52

DIMENSIONS



Dimensions are in mm

# EDC-04 Driver Specifications

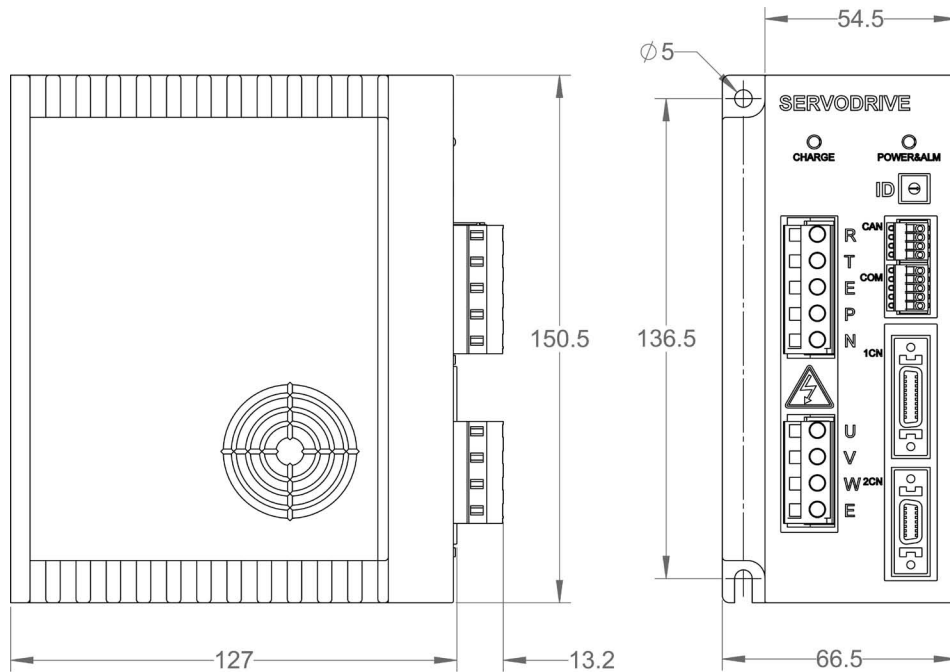
FEATURES

- 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



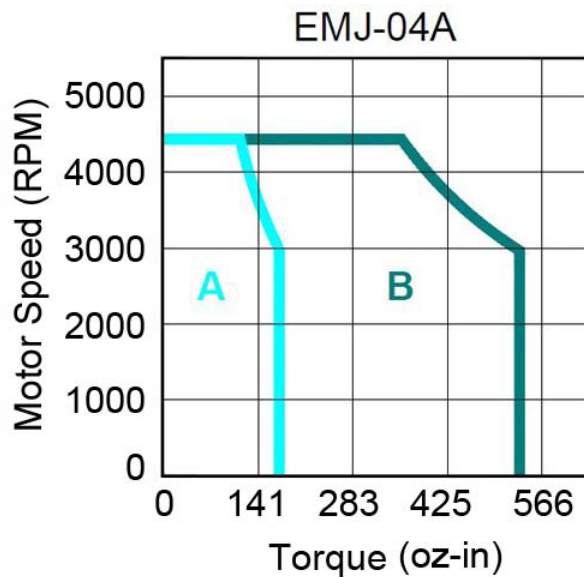
EDC-04APE

EDC DIMENSIONS

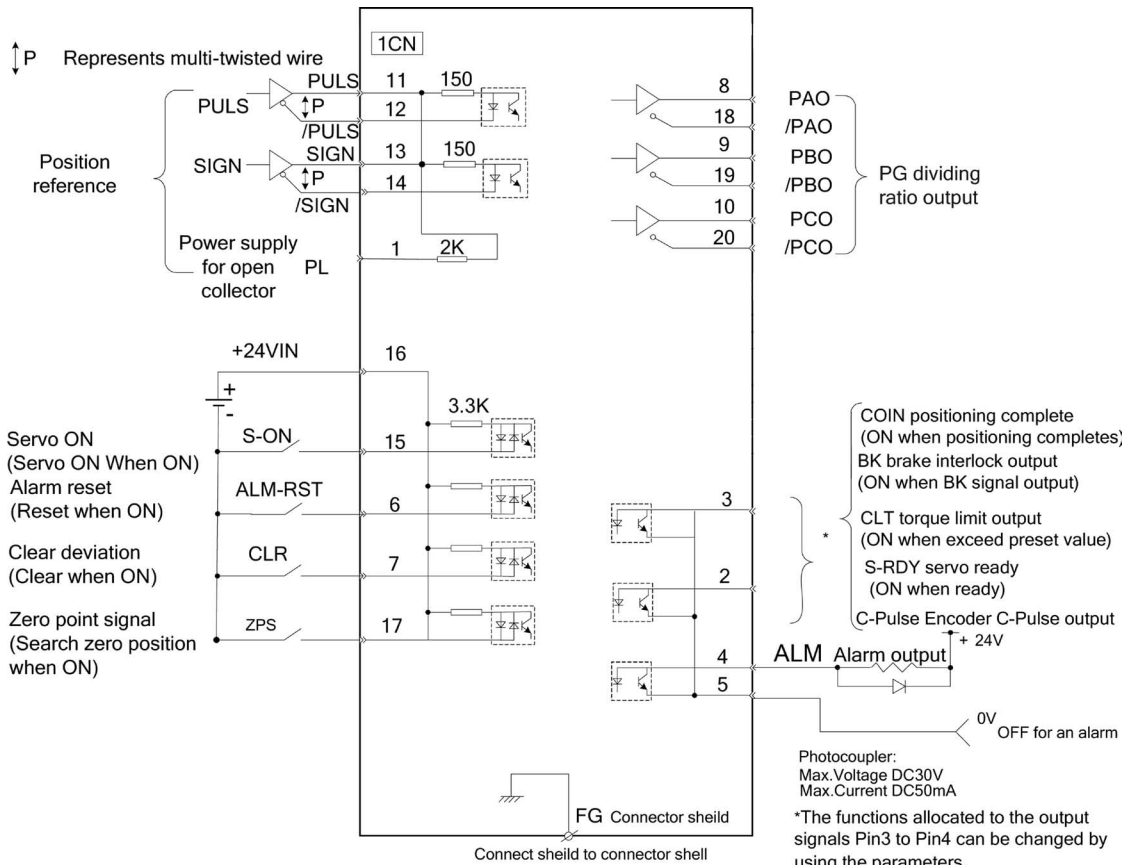
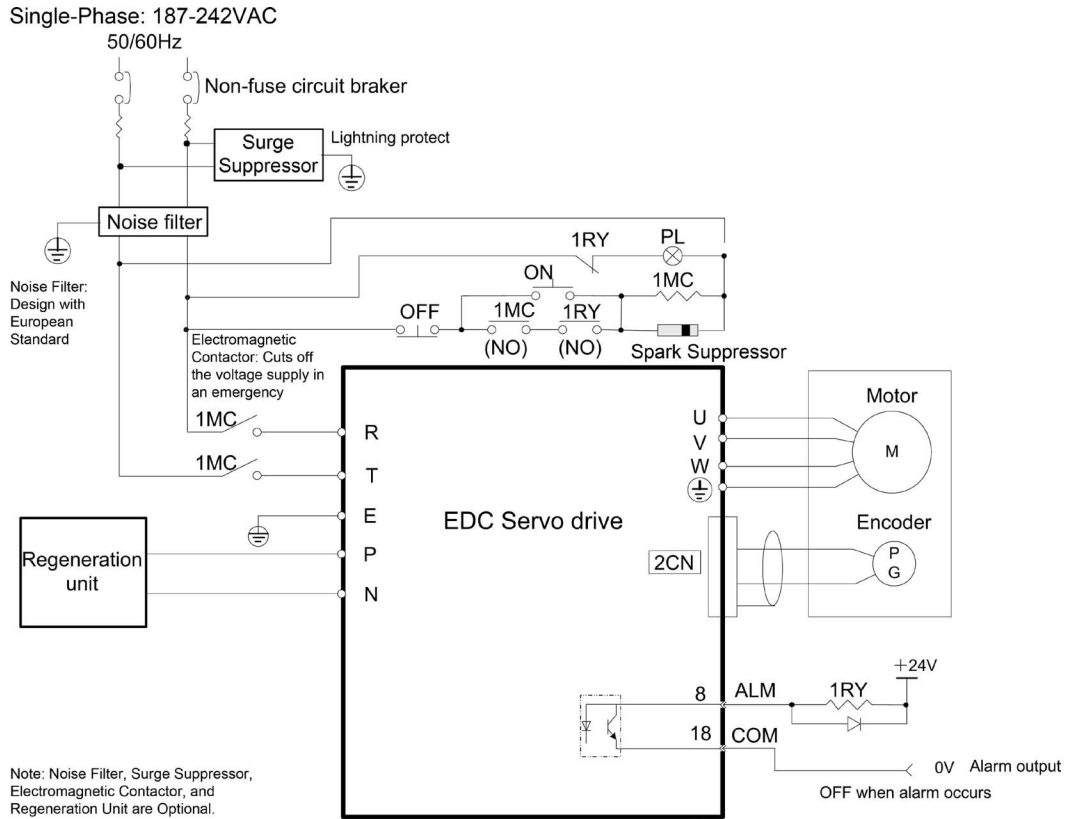


Dimensions are in mm

TORQUE CURVE



A - Continuous Working Area  
 B - Repeatedly Working Area



### Compatible Drives

Part Number	Description
EDC-04APE	Servo Driver



### Compatible Motors

Part Number	Description
EMJ-04APB22	Servo Motor
EMJ-04APB24	Servo Motor



### Compatible Cables

Part Number	Description
CDM-JB18-05	Power Cable
CMP-JB26-05	Encoder Cable
EDC-CSC-CC24A-02	Comm. Cable

