

# EMJ-10ASB Series Servo Motor



## FEATURES

- 220 VAC
- **Rated Torque of 450 oz-in**
- **1000 Watt Power Rating**
- **Rated Speed 3000 RPM**
- **Maximum Speed 4500 RPM**
- **Peak Torque up to 300% of Rated Torque**
- **Peak Current up to 300% of Rated Current**
- **131,072 PPR Absolute Encoder Attached**
- **Enclosed and Self-Cooled**
- **Brake Option Available**
- **CE Certified**



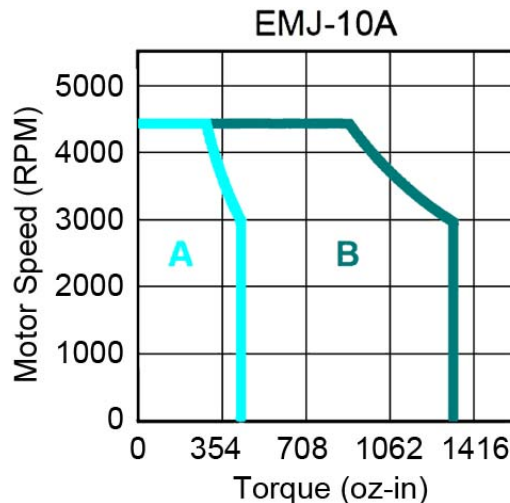
## DESCRIPTION

Anaheim Automation's Digital AC Servo Motors offer a simple solution to servo applications involving speed and positioning control. The EMJ-10ASB Servo Motor comes standard with a 131,072 Pulses Per Revolution (PPR) Absolute Encoder, runs at a maximum speed of 4,500 RPM, provides peak values up to 300% of the rated torque and current values, and has a rated torque of 450 oz-in with a 1000 Watt power rating. These enclosed and self-cooled motors also provide longer motor life and higher reliability. The EMJ-10ASB Servo Motors enable industrial motion control applications to attain a great combination of speed and positioning functionality.

## SPECS

Model #	Rated Torque (oz-in)	Rated Power (Watts)	Rated Speed (RPM)	Max Speed (RPM)	Rated Current (A rms)	Brake (24VDC)	Inertia (oz-in-sec <sup>2</sup> )	Torque Constant $K_t$ (oz-in/A)	Resistance (ohms)	Inductance (mH)	Length (mm)	Weight (lbs)
EMJ-10ASB22	450	1000	3000	4500	5.3	No	0.02464	86.8	1.6	13.9	169	8.13
EMJ-10ASB24	450	1000	3000	4500	5.3	Yes	0.02648	86.8	1.6	13.9	212	9.45

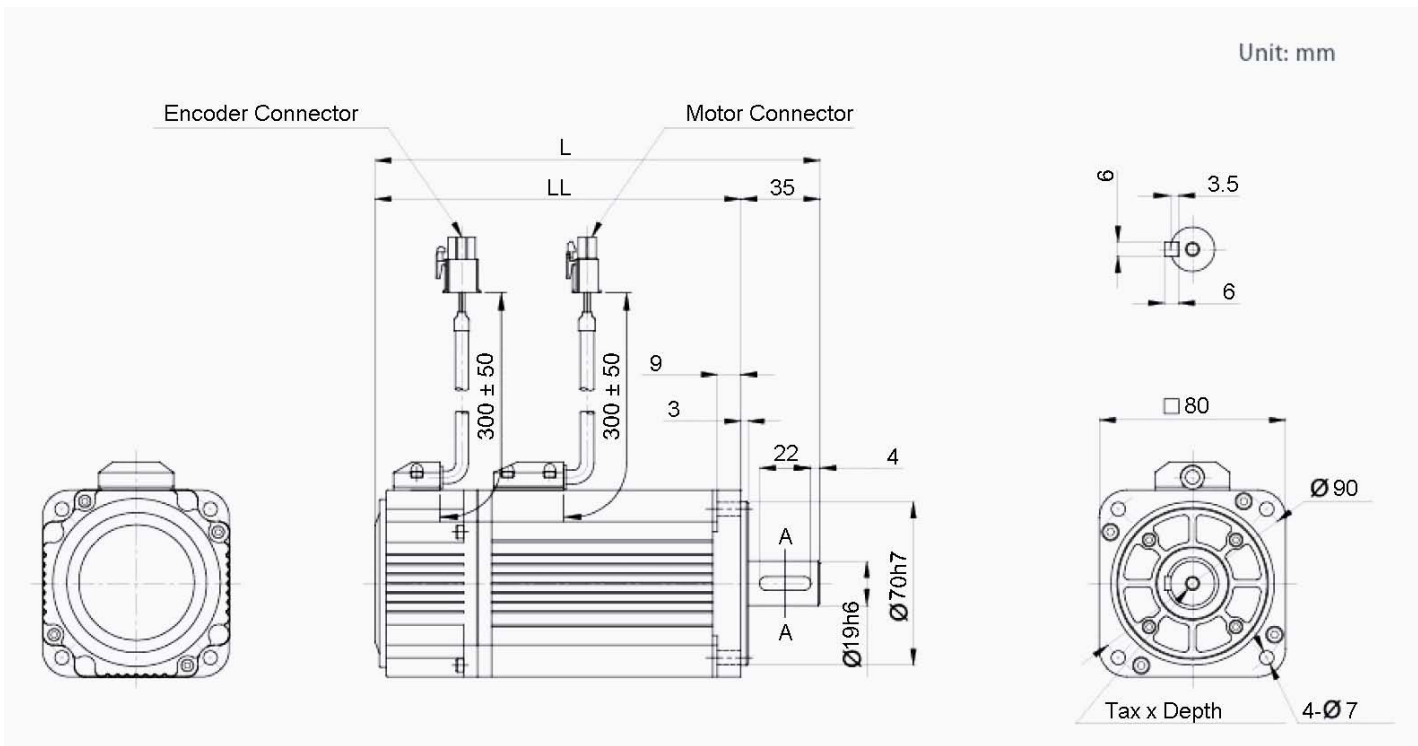
## TORQUE CURVE



A: Continuous Working Area  
 B: Repeatedly Working Area

L011595

Unit: mm

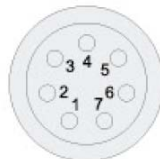


Model #	L	LL
EMJ-10ASB22	204	169
EMJ-10ASB24	247	212

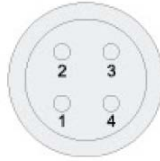
Note: All Dimensions in millimeters

Note: the EMJ-10ASB24 are Servo Motors with holding brakes.

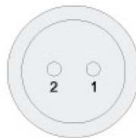
**Encoder Connector Specification:**



Pin No.	Signal
1	S+
2	S-
3	BAT+
4	BAT-
5	PG5V
6	PG0V
7	FG

**Motor Connector Specification:**


Pin No.	Signal
1	U
2	V
3	W
4	FG

**Brake Connector Specification:**


Pin No.	Signal
1	B1
2	B2

Plug	CGRSB-2BFMA-SL8001
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Power Requirement: 220VAC	Vibration: 49 m/s <sup>2</sup>	Running Air Pressure: 86 to 106 kPa
Insulation Class: F	Ambient Temperature: 20% to 80% RH	Insulation Voltage Endurance: AC 1800C, 50Hz, 1 min
Ambient Temperature: 0°C to 40°C	Running Humidity: Not More Than 90%, Under 25°C	Insulation Impedance: Not Less Than 50M Under Normal Conditions
Running Temperature: -25°C to 40°C		

**Compatible Driver:**

Part Number	Description
PRONET-10AEA-EC	Servo Driver


**Compatible Cables**

Part Number	Description
PDM-JE18-05	Power Cable
PAP-JE24-05	Encoder Cable

