

## Rated Value and Specification

Voltage		200VAC / 400VAC						
Servo Motor Model	EMG-	10A□A□□	10D□A□□	15A□A□□	15D□A□□	20A□A□□	30A□A□□	50A□A□□
Rated Output Power	kW	1.0	1.0	1.5	1.5	2.0	3.0	5.0
Rated Torque	N.m	4.78	4.78	7.16	7.16	9.55	14.3	23.9
Instantaneous Peak Torque	N.m	14.3	14.3	21.5	21.5	28.7	43.0	71.6
Rated Current	Arms	6.0	3.0	9.0	4.8	12.0	18.0	28.0
Instantaneous Max. Current	Arms	18.0	9.0	27.0	14.4	36.0	54.0	84.0
Rated Speed	r/min	2000						
Max. Speed	r/min	3000						
Rotor Moment of Inertia	$\times 10^{-4} \text{kg}\cdot\text{m}^2$	10.0 (10.6)		14.5 (15.1)		19.0 (19.6)	41.3 (44.5)	65.7 (68.9)

## EML Model

### Features

- Be used to drive the feed shaft of various machinery
- Various products (1.0kW~4.0kW, with brake, etc.)
- Mounted 17 bits incremental / absolute encoder, Optional mounted resolver or wire-saving incremental encoder (2500P/R)
- Standard configuration is IP65

### Application

- Machine tools
- Handling machinery
- Foodstuff processing machinery
- Textile machinery



### Specification Description

**EML-10**

EML Model  
Servo Motor

**A**

Rated Output  
Power

**D**

Encoder

**A**

Designing  
Sequence

**1**

Shaft End

**1**

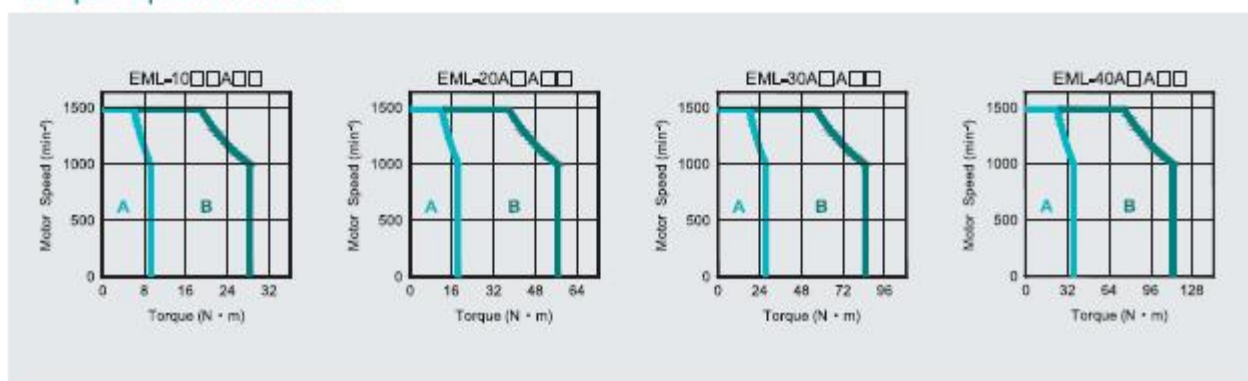
Option Parts

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Servo Motor Model	EML-	10A□A□□	10D□A□□	20A□A□□	30A□A□□	40A□A□□
Rated Output Power	kW	1.0	1.0	2.0	3.0	4.0
Rated Torque	N.m	9.55	9.55	19.1	28.7	38.2
Instantaneous Peak Torque	N.m	28.7	28.7	57.3	86.0	114.6
Rated Current	A rms	6.0	3.0	12.0	18.0	24.0
Instantaneous Max. Current	A rms	18.0	9.0	36.0	54.0	72.0
Rated Speed	r/min	1000				
Max. Speed	r/min	1500				
Rotor Moment of Inertia	$\times 10^{-4} \text{kg} \cdot \text{m}^2$	19.0 (19.6)		53.5 (56.7)	77.8 (81.0)	102.2 (105.4)
Brake Rated Voltage		DC24V $\pm$ 10%				
Brake Rated Power	W	19		35		
Brake Holding Torque	N.m	10		40		
Encoder	Standard	Incremental Encoder: 131072PPR		Absolute Encoder: 131072P/IR		
	Options	Absolute Encoder: 131072PPR Resolver		Resolver		
		Wire-saving Incremental Encoder (2500P/IR)				
Insulation Class		F				
Ambient Temperature		0 to +40°C (No freezing)				
Ambient Humidity		20 to 80% RH (Non-condensing)				
Vibration		24.5m/s <sup>2</sup>				
Enclosure		Totally Enclosed, Self-cooled, IP65 (Except for shaft opening, when not equipped with oil seal.)				

(Note) The values in parentheses are for servo motors with holding brakes.

## Torque-Speed Feature



A: Continuous Working Area B: Repeatedly Working Area