

# EML

## Series Servo Motor

### Features

- Be used to drive the feed shaft of various machine
- Various products(1.0KW ~4.0KW, with brake etc.)
- Equipped with wire-saving encoder(2500P/R)
- Standard configuration is IP65

### Applications

- Machine tools
- Handling machine
- Foodstuff processing machine
- Textile machine



### Model Specification Description

**EML-10      A      P      A      1      1**

EML Model Servo Motor

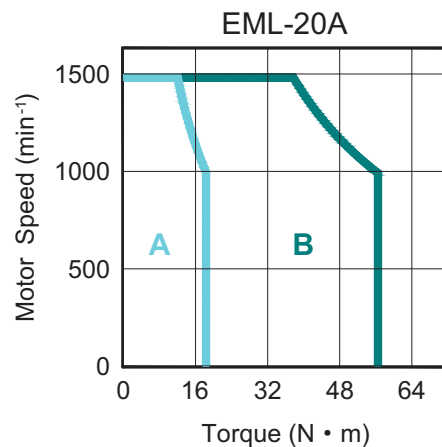
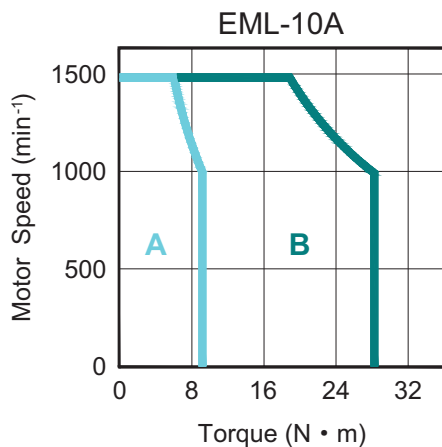
Rated Power		Power Voltage		Encoder		Design Sequence		Shaft End		Optional Parts	
Sign	Spec.	Sign	Spec.	Sign	Spec.	Sign	Spec.	Sign	Spec.	Sign	Spec.
10	1.0KW	A	200Vac	P	2500P/R	A	Design Sequence	1	Flat, without keys	1	None
15	1.5KW									2	With Oil Seal
20	2.0KW							2	Flat, with keys, with screw thread	3	With brake (DC24V)
30	3.0KW									4	With oil seal, with brake (DC24V)
40	4.0KW										

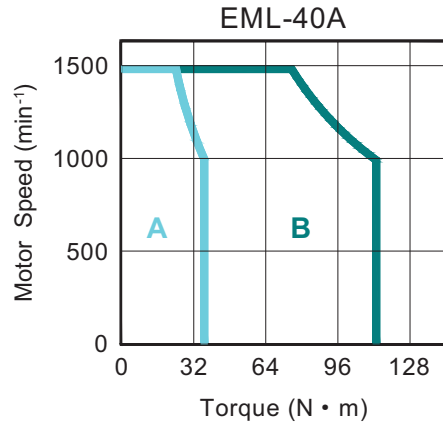
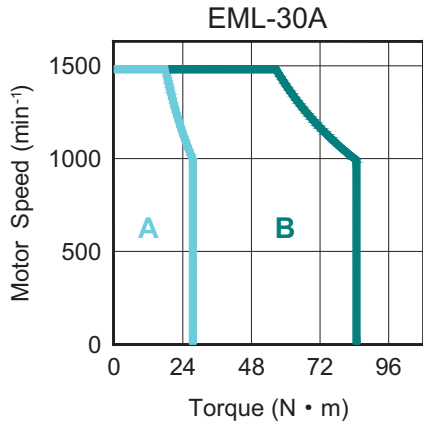
## Rated Value and Specification

Voltage		200VAC			
Servo motor type	EML -	10A	20A	30A	40A
Rated output power	kW	1.0	2.0	3.0	4.0
Rated torque	N.m	9.55	19.1	28.7	38.2
Instantaneous peak torque	N.m	28.7	57.3	86.0	114.6
Rated current	Arms	6.0	12.0	18.0	24.0
Instantaneous peak current	Arms	18.0	36.0	54.0	72.0
Rated rotated speed	min <sup>-1</sup>	1000			
The highest rotated speed	min <sup>-1</sup>	1500			
Rotator rotated inertia	x10 <sup>-4</sup> kg /m <sup>2</sup>	19(19.6)	53.5(56.7)	77.8(81.0)	102.2(105.4)
Feedback unit	Standard	Incremental cable-saved type : 2500P/R			
Heat endurance level		F			
Environment temperature		0 to + 40 C (Non-iced)			
Environment humidity		20 to 80% RH (No dew)			
Protection method		All-closed , self-cool , IP65 (Except output shaft and connector)			
Anti-vibration performance		24.5m /s <sup>2</sup>			

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

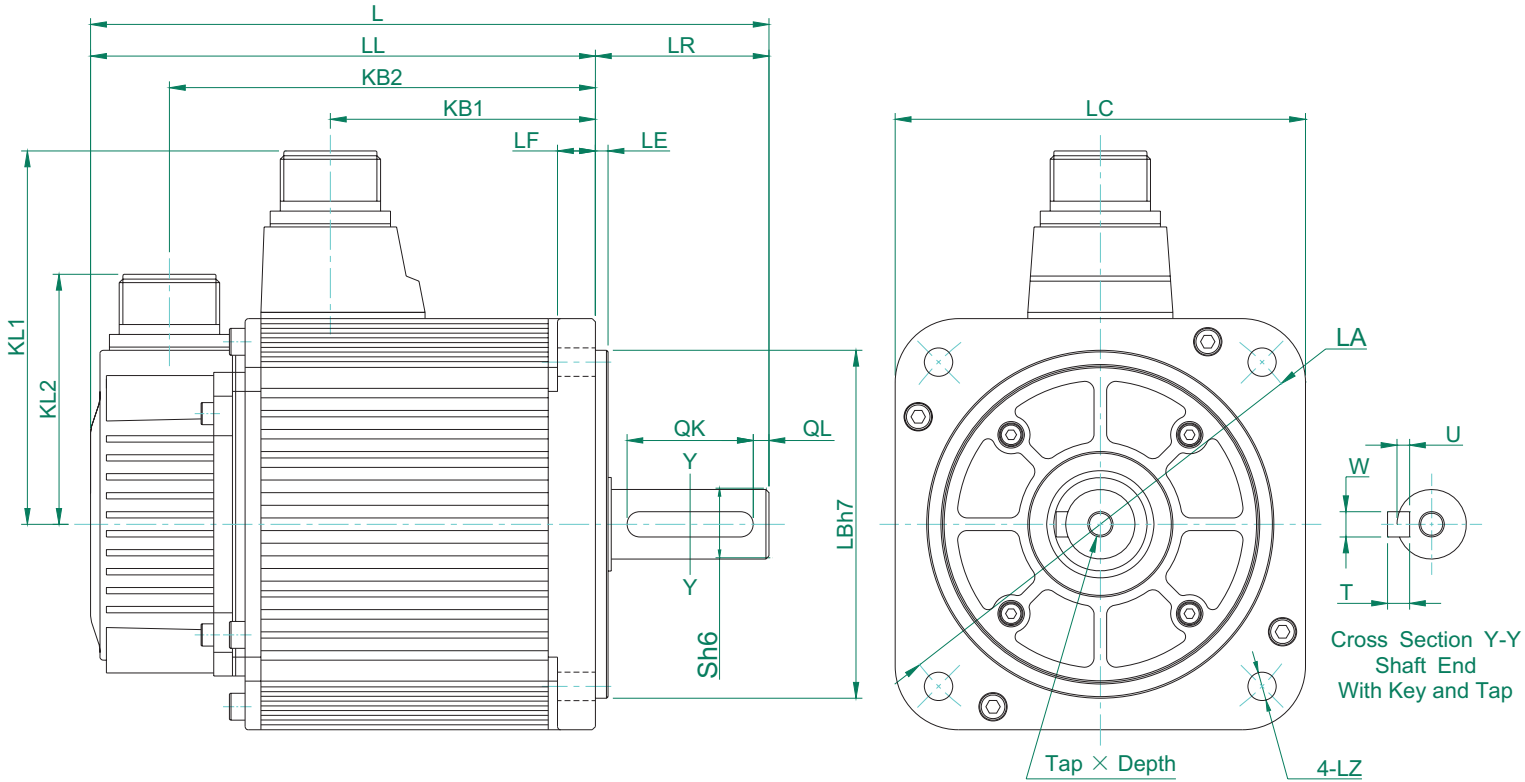
## Torque-Speed Feature





A: Continuous Working Area    B: Repeatable Working Area

## Dimension



Model EML-	L	LL	KB1	KB2	KL1	KL2	Flange face						S	Tap×De pth	key					
							LR	LE	LF	LC	LA	LB			LZ	QK	QL	W	T	U
10A	265	210	134	185	118	79	55	4	12	130	145	110	9	22	M6x20 L	40	5	8	7	4
20A	332	253	168	228	140	79	79	3.2	18	180	200	114	13.5	35	M8x16 L	55	6	10	8	5
30A	372	293	208	268	140	79	79	3.2	18	180	200	114	13.5	35	M8x16 L	55	6	10	8	5
40A	412	333	248	308	140	79	79	3.2	18	180	200	114	13.5	35	M8x16 L	55	6	10	8	5