

EMG Model

Specification Description

EMG-10 A

EMG Model
Servo Motor

Rated Output
Power

Power
Voltage

F

Encoder

B

Designing
Sequence

2

Shaft End

4

Option Parts

Sign	Spec.	Sign	Spec.	Sign	Spec.	Sign	Spec.	Sign	Spec.	Sign	Spec.
10	1.0kW	A	200VAC	F	20 Bit Incremental : Encoder 1048576P/R	A,B	Designing Sequence	2	Flat, With Keys With Screw Thread	2	With Oil Seal
15	1.5kW	D	400VAC	S	17 Bit Absolute Encoder: 131072P/R					4	With Oil Seal, With Brake (DC24V)
20	2.0kW										
30	3.0kW										
50	5.0kW										

Rated Value and Specification

Voltage		200VAC / 400VAC										
Servo Motor Model	EMG-	10A□B□□	10D□B□□	15A□B□□	15D□B□□	20A□B□□	20D□B□□	30A□A□□	30D□A□□	50A□A□□	50D□A□□	
Rated Output Power	kW	1.0	1.0	1.5	1.5	2.0	2.0	3.0	3.0	5.0	5.0	
Rated Torque	N·m	4.78	4.78	7.16	7.16	9.55	9.55	14.3	14.3	23.9	23.9	
Instantaneous Peak Torque	N·m	14.3	14.3	21.5	21.5	28.7	28.7	43.0	43.0	71.6	71.6	
Rated Current	Arms	5.8	3.0	8.2	4.3	11.3	5.7	18.0	8.8	28.0	15.0	
Instantaneous Max. Current	Arms	17.4	9.0	24.6	12.9	33.9	17.1	54.0	26.4	84.0	45.0	
Rated Speed	r/min	2000										
Max. Speed	r/min	3000										
Rotor Moment of Inertia	$\times 10^{-4} \text{kg}\cdot\text{m}^2$	13.2(14.3)		18.4(19.5)		23.5(24.6)		41.3 (44.5)		65.7 (68.9)		
Brake Rated Voltage		DC24V \pm 10%										
Brake Rated Power	W	19.5						35				
Brake Holding Torque	N·m	12						40				
Encoder		20 bit Incremental Encoder 1048576P/R 17 bit Absolute Encoder 131072 P/R										
Insulation Class		F										
Ambient Temperature		0 to +40°C (No freezing)										
Ambient Humidity		20% to 80% RH (Non-condensing)										
Vibration		24.5m/s ²										
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.