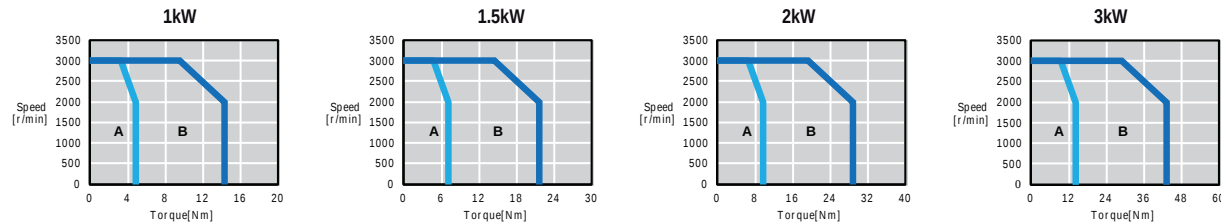


MXM Motors

Medium Inertia Medium Speed (MXM) Servo Motors



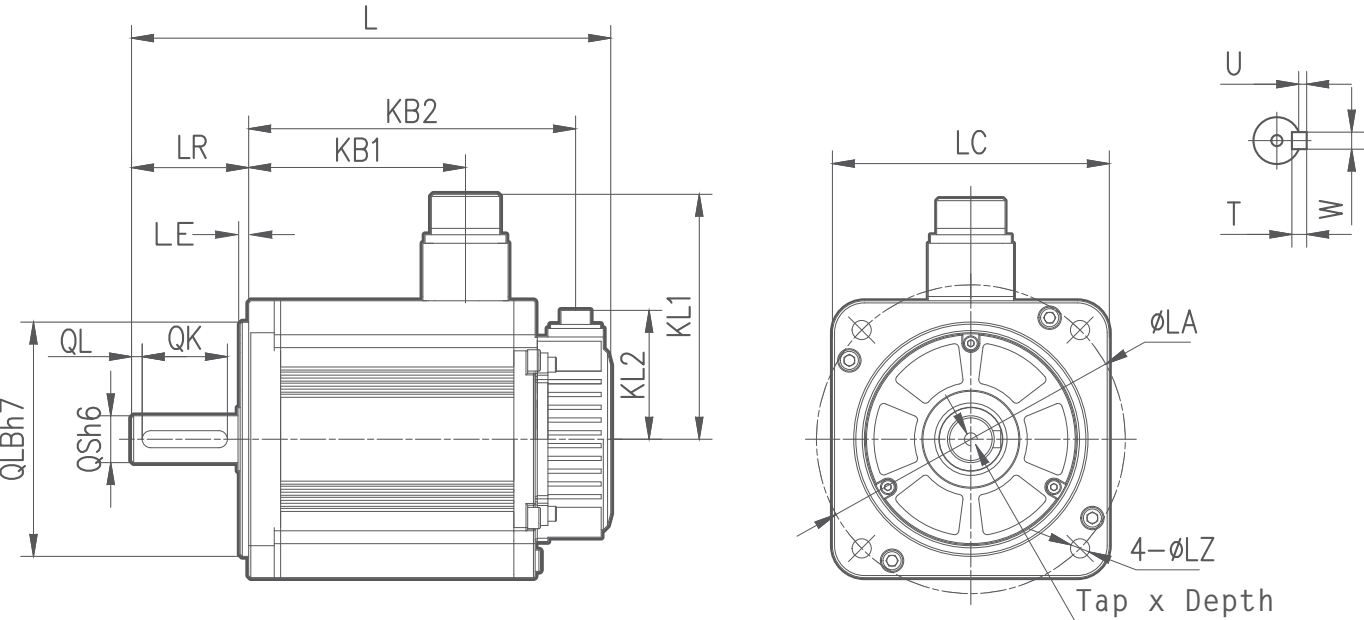
A: Continuous Working Area B: Repeatedly Working Area

- Choose motor to match the load and dynamics, inertia, brake / no brake
- 20-bit Incremental or 23-bit Absolute high performance encoders
- IP65 rated
- Oil seal as standard
- 200V ac supply Voltage

Servo Motor Detail		1kW	1.5kW	2kW	3kW
Rated Output	kW	1.0	1.5	2.0	3.0
Rated Torque	N·m	4.78	7.16	9.55	14.3
Instantaneous Peak Torque	N·m	14.3	21.5	28.7	40
Rated Current	Arms	5.8	8.2	11.3	18.0
Instantaneous Max current	Arms	17.4	24.6	33.9	54.0
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)
Weight	kg	7 (8.5)	8.9 (10.4)	10.8 (12.3)	16.63 (20.23)
Brake Rated Voltage		DC24V $\pm$ 10%			
Brake Rated Power	W	19.5			35
Brake Rated Torque	N·m	12			40
Encoder		20-bit Incremental Encoder 1048576 P/R; 23-bit Absolute Encoder 8388608 P/R			
Insulation Class		F			
Ambient Temperature		0 ~ +40°C (No freezing)			
Ambient Humidity		20%~80% RH (No condensing)			
Vibration		24.5m/s ²			
Enclosure		Self-cooled, IP65 (excluding Connecting Joint With Cable)			

Note: The data inside parenthesis represents the values with brake.

MXM Motors



POWER	MXM-	L	LL	KB1	KB2	KL1	KL2	Flange Side						S	Threaded hole x Depth	Key					
								LR	LE	LF	LC	LA	LB			LZ	QK	QL	W	T	U
1KW	10A1320F	203 (245.5)	148 (190.5)	80 (103.2)	131.5 (174)	117	60.5	55	4	12	130	145	110	9	22	M6×20	40	5	8	7	4
1.5KW	15A1320	225 (267.5)	170 (212.5)	102 (125.2)	153.5 (196)																
2KW	20A1320	247 (289.5)	192 (234.5)	124 (147.2)	175.5 (218)																
3KW	30A1820	307 (378)	228 (299)	143	203 (274)	140	79	79	3.2	18	180	200	114.3	135	35	M8×16	55	6	10	8	5

Note: Numbers inside parentheses represents the values with brake.

MXM	-	Rated Power	Supply Voltage	Flange	Rated Speed	Encoder	Revision	Shaft End	Option Parts	Connector Type
		10 1kW	A 200VAC	13 130mm	20 2000 RPM	F 20-bit inc	A -	2 With key	2 With oil seal	3 On motor
		15 1.5kW		18 180mm		L 23-bit abs	B -		4 With oil seal	
		20 2kW					D -		With brake	
		30 3kW								