MD-K Series Servo Motor

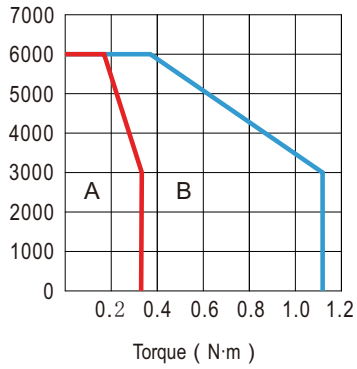
Motor Model Encoding

MD - K S 2 6 S 3C 04

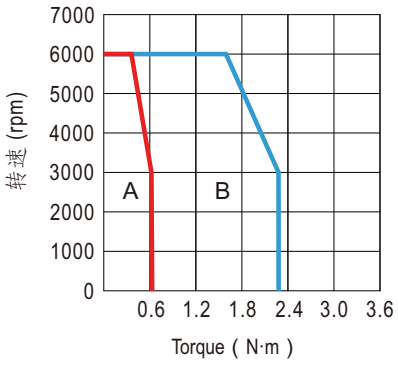
- Power level (01:100W,02: 200W,04:400W,08:750W)
- Rated speed (3C: 3000rpm,C:*10 ³)
- Brake and oil seal specification
  (N: no brake and oil sealing; S: no brake, with oil seal;
  C: with brake.no oil sealing; E:with brake and oil sealing)
- Shaft end specification (6: straight shaft, with keyway, threaded)
- Encoder type (2: 17 bit multi turn absolute value magnetic encoder)
- Voltage level (S:220V)
- Series Name
- Product Categories (MD: motor driver)

MD-K Motor Torque Speed Characteristics

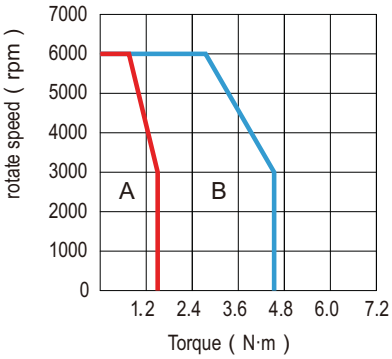
● 100W(40 frame)



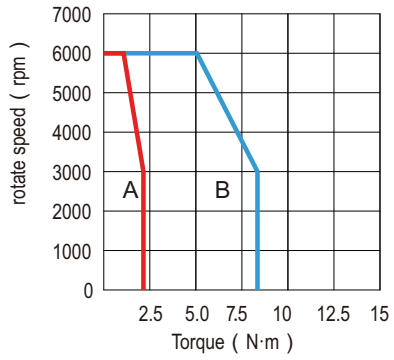
● 200W(60 frame)



● 400W(60 frame)



● 750W(80 frame)



A — Continuous work area
B — Short-term work area

Specification	MD-KS26N3C01	MD-KS26C3C01	MD-KS26S3C02	MD-KS26E3C02
Technical Specifications				
Rated power (W)	100		200	
Rated current (A)	1.1		1.29	
Maximum current (A)	3.9		4.41	
Rated torque (N·m)	0.32		0.64	
Maximum torque (N·m)	1.12		2.23	
Rotor inertia (10 $kg^4 m^2$)	0.03	0.033	0.34	0.35
Overload multiplier	3.5			
Rated speed (rpm)	3000			
Maximum speed (rpm)	6000			
Flange size	40		60	
Rated voltage (V)	220			
Weight (kg)	0.4	0.6	0.8	1.2
General Specifications				
Duty	S1 (Continuous)			
Vibration class	V15			
Thermal class	Level F			
Insulation resistance	500VDC, above 10MΩ			
Excitation mode	Permanent magnetic			
Mounting mode	Flange			
Insulation voltage	1500 V AC, 1 minute (220 V level)			
Braking and maintenance	no brake and oil sealing	with brake.no oil sealing	no brake, with oil seal	with brake and oil sealing
Safety &EMC				
SAFETY STANDARDS	IEC 60034-1:2022			
EMC EMISSION	Parameter	Standard	Test Level/Note	
	Conducted Disturbance	EN IEC 61000-6-4:2019	Class A	
	Radiated Electromagnetic Disturbance	EN IEC 61000-6-4:2019	Class A	
EMC IMMUNITY	Parameter	Standard	Test Level/Note	
	ESD	EN 61000-4-2:2009	Level 3,8KV air; Level 2,4KV contact	
	RF EM-Fields	EN 61000-4-3:2006+ A1:2008+A2:2010	Level 2,10V/m	
	Fast Transients	EN 61000-4-4:2012	Level 6KV	
	Surge	EN 61000-4-5:2014	Level 2,1KV/Line to Line; Level 3,2KV/Line-Earth	
	Injected Currents	EN 61000-4-6:2014	Level 2,3Vrms/m	
Environment				
Ambient temperature	0~40℃ (Non-freezing)			
Ambient humidity	20%~80% (Non-condensing)			
Storage temperature	-20~+60℃ (Non-freezing)			
Storage environment	20%~80% (Non-condensing)			
Insulation resistance	500VDC, above 10MΩ			
Shock resistance	490m/s² (5G)			
Vibration resistance	49m / s² (10G)			

Specification	MD-KS26S3C04	MD-KS26E3C04	MD-KS26S3C08	MD-KS26E3C08
Technical Specifications				
Rated power (W)	400		750	
Rated current (A)	2.51		4.60	
Maximum current (A)	8.78		16.30	
Rated torque (N·m)	1.27		2.39	
Maximum torque (N·m)	4.45		8.36	
Rotor inertia (10 $kg^4 m^2$)	0.59	0.60	1.72	1.77
Overload multiplier	3.5			
Rated speed (rpm)	3000			
Maximum speed (rpm)	6000			
Flange size	60		80	
Rated voltage (V)	220			
Weight (kg)	1.1	1.5	2.2	2.8
General Specifications				
Duty	S1 (Continuous)			
Vibration class	V15			
Thermal class	Level F			
Insulation resistance	500VDC, above 10MΩ			
Excitation mode	Permanent magnetic			
Mounting mode	Flange			
Insulation voltage	1500 V AC, 1 minute (220 V level)			
Braking and maintenance	no brake, with oil seal	with brake and oil sealing	no brake, with oil seal	with brake and oil sealing
Safety &EMC				
SAFETY STANDARDS	IEC 60034-1:2022			
EMC EMISSION	Parameter	Standard	Test Level/Note	
	Conducted Disturbance	EN IEC 61000-6-4:2019	Class A	
	Radiated Electromagnetic Disturbance	EN IEC 61000-6-4:2019	Class A	
EMC IMMUNITY	Parameter	Standard	Test Level/Note	
	ESD	EN 61000-4-2:2009	Level 3,8KV air; Level 2,4KV contact	
	RF EM-Fields	EN 61000-4-3:2006+ A1:2008+A2:2010	Level 2,10V/m	
	Fast Transients	EN 61000-4-4:2012	Level 6KV	
	Surge	EN 61000-4-5:2014	Level 2,1KV/Line to Line; Level 3,2KV/Line-Earth	
	Injected Currents	EN 61000-4-6:2014	Level 2,3Vrms/m	
Environment				
Ambient temperature	0~40℃ (Non-freezing)			
Ambient humidity	20%~80% (Non-condensing)			
Storage temperature	-20~+60℃ (Non-freezing)			
Storage environment	20%~80% (Non-condensing)			
Insulation resistance	500VDC, above 10MΩ			
Shock resistance	490m/s² (5G)			
Vibration resistance	49m / s² (10G)			