

Servo Motor's Characteristics 2

Servo Motor Model (APM-□□□□□)	SC04A	SC06A	SC08A	SC10A	SC03D	SC05D	SC06D	SC07D
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Flange Size (□)		□80							
Rated Power	[kW]	0.4	0.6	0.8	1.0	0.3	0.45	0.55	0.65
Rated Torque	[N · m]	1.27	1.91	2.55	3.19	1.43	2.15	2.63	3.09
	[kgf · cm]	13.0	19.5	26.0	32.5	14.6	21.9	26.8	31.6
Maximum Instantaneous Torque	[N · m]	3.82	5.34	6.88	9.56	4.29	6.44	7.88	9.29
	[kgf · cm]	39.0	54.5	70.2	97.5	43.8	65.7	80.4	94.8
Rated rpm	[r/min]	3,000				2,000			
Maximum rpm	[r/min]	5,000				3,000			
Moment of Inertia	[kg · m ² × 10 ⁻⁴]	0.674	1.092	1.509	1.927	0.674	1.092	1.509	1.927
	[gf · cm · s ²]	0.687	1.114	1.539	1.966	0.687	1.114	1.539	1.966
Allowable Load Inertia Ratio		15 times of motor inertia				15 times of motor inertia			
Rated Power Rate	[kW/S]	24.07	33.45	43.02	52.65	30.36	42.19	43.68	47.90
Speed, Position Transducer	Standard	Incremental 5V Line Drive 2,500P/R							
	Option	Absolute, Manchester communication							
Specification & Features	Protective Method	Totally enclosed, Non ventilated IP65(Excluding the shaft-through section and connectors.)							
	Rated Time	Continuous							
	Ambient Temp.	Operating Temp : 0~50[°C] · Storage Temp : -20~80[°C]							
	Ambient Humidity	Lower than 90[%](avoid condensation)							
	Atmosphere	Avoid direct sunlight, no corrosive gas, inflammable gas, oil mist, or dust.							
E/V	Elevation/Vibration 49[m/s ²](5G)								
Weight	[kg]	1.85	2.49	3.15	3.80	1.85	2.49	3.15	3.80

Rotation Speed-Torque's Characteristics

