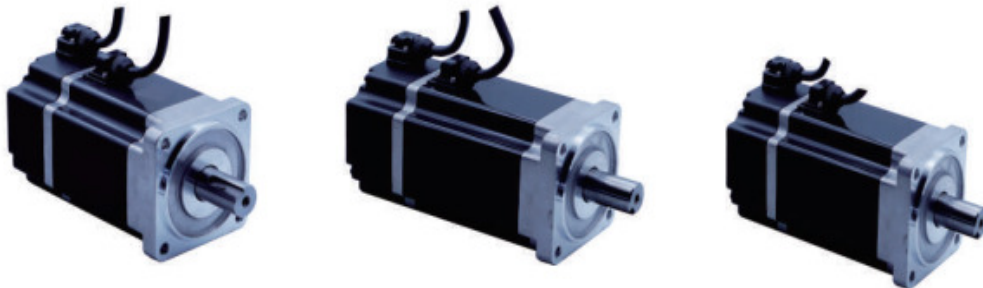


SERAD SERVO DRIVE AND MOTOR



Motor Specification:

Drive Model	SMD230S05S11	SMD230S05S11	SMD230S05S11					
Motor Model	SF60A04030C4004	SF80A07530C4004	SF80A10030C4004					
Drive Voltage (v)	220	220	220					
Rated output (w)	400	750	1000					
Rated torque (Nm)	1.27	2.39	3.18					
Maximum Torque (Nm)	3.81	7.2	9.6					
Rated Speed (rpm)	3000	3000	3000					
Maximum Speed (rpm)	5000	5000	5000					
Rated current (A)	2.3	4.2	4.5					
Rotor inertia (kg-m ²)	0.407x10 ⁻⁴	0.924x10 ⁻⁴	1.207x10 ⁻⁴					
Torque coefficient (Nm/A)	0.55	0.6	0.71					
Electrical time constant(ms)	7.2	12.3	11.2					
Line resistance (Ohm)	2.94	1.47	1.26					
Line inductance (mH)	21.28	18.1	14.14					
Line back EMF constant (V/krpm)	29.8	40.8	43.3					
pole-pairs	4							
Encoder resolution	23 bit Serial Encoder							
Insulation class	F							
Protection class	IP65							
environment conditions	Temperature -20°C-50°C							
Winding socket	Winding Wire	U	V	W				
	Socket Number	1	2	3				
Encoder socket	Signal pin defination	PE	5V	0V	SD+	SD-	VB+	VB-
	Male pin number	1	2	3	4	5	6	7