

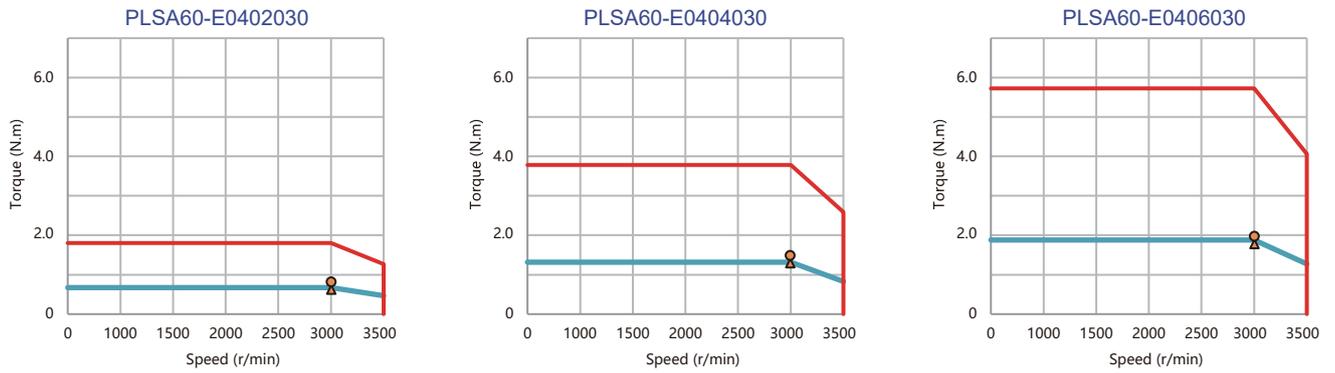
PLSA60 DC Servo Motor



Specifications

Model	PLSA60-E0402030	PLSA60-E0404030	PLSA60-E0406030													
Rated Power(W)	200	400	600													
Rated Voltage(V)	DC48	DC48	DC48													
Rated Current(A)	5	10	15													
Rated Torque(N.m)	0.64	1.27	1.91													
Rated Speed(r/min)	3000	3000	3000													
Peak Current(A)	16	32	48													
Peak Torque(N.m)	1.92	3.81	5.73													
Peak Speed(r/min)	3500	3500	3500													
Voltage Constant(V/1000r/min)	8.8	8.2	8.5													
Torque Coefficient(N.m/A)	0.13	0.13	0.13													
Line-line Resistance(Ω)	0.31	0.25	0.17													
Line-line Inductance(mH)	0.45	0.3	0.2													
Electrical Time-constant(ms)	1.5	1.2	1.17													
Rotor Inertia($\text{kg}\cdot\text{m}^2\times 10^{-4}$)	0.33	0.67	1.02													
Weight(kg)	1.1	1.5	1.9													
Number of Pole Pairs	4 (5 Pairs Of Poles Are Optional)															
Encoder Resolution (CPR)	2500CPR(Absolute encoder available)															
Insulation Class	Class F															
Protection Class	IP65 (IP67 Optional)															
Environment	Ambient Temperature:-20-50°C/Ambient Humidity~90%(No Frosting Condition)															
Winding Socket	Winding Wire	U	V	W	PE											
	Socket Number	1	2	3	4											
Encoder Socket (Absolute Type)	Signal Pin Definition	PE	5V	0V	SD+	SD-	VB+	VB-								
	Male Pin Number	1	2	3	4	5	6	7								
Encoder Socket (Incremental Type)	Signal Pin Definition	Shield	5V	0V	B+	Z-	U+	Z+	U-	A+	V+	W+	V-	A-	B-	W-
	Male Pin Number	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15

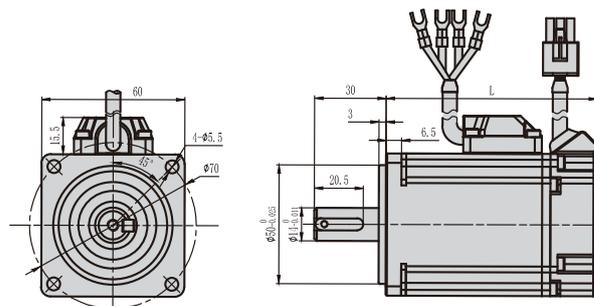
Characteristic Curve



Dimensions

Motor Length	200W		400W		600W	
	Regular	Thin	Regular	Thin	Regular	Thin
L Without Brake (mm)	99.2	80.2	122.2	103.2	153.3	134.3
L With Brake (mm)	131.2	112.2	154.2	135.2	190.3	171.3

Without Brake



With Brake

