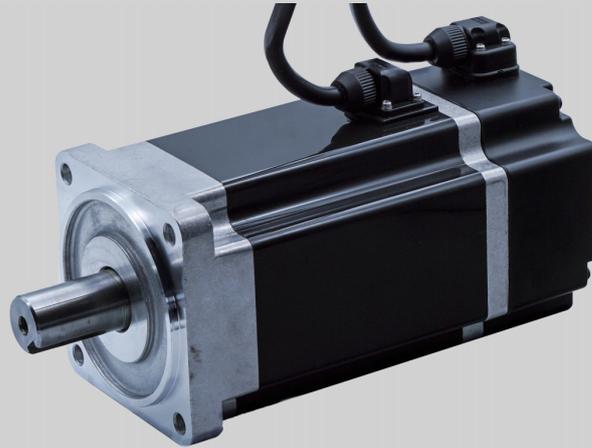


# PLSP80 DC Servo Motor

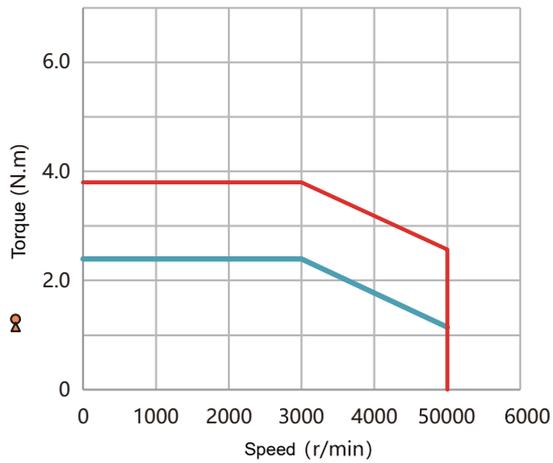


## Specifications

Model	PLSP80-E0407530																
Rated Voltage(V)	48																
Rated Power(W)	750																
Rated Torque(N.m)	2.39																
Maximum Torque(N.m)	3.8																
Rated Speed(r/min)	3000																
Peak Speed (Rpm)	5000																
Rated Current (A)	20																
Rotor Inertia (Kg.m <sup>2</sup> x10 <sup>-4</sup> )	0.924																
Torque Coefficient(N.m/A)	0.2																
Electrical Time Constant (MS)	11.5																
Line Resistance (Ω)	0.026																
Line Inductance (MH)	0.3																
Line Back EMF Constant (V/krpm)	6.5																
Weight(kg)	3.0																
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

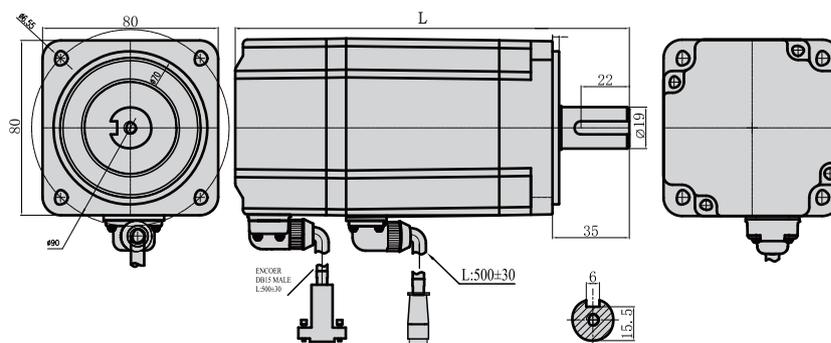
PLSP80-E0407530



## Dimensions

Motor Length	750W
L Without Brake (mm)	179.5
L With Brake (mm)	216

### Without Brake



### With Brake

