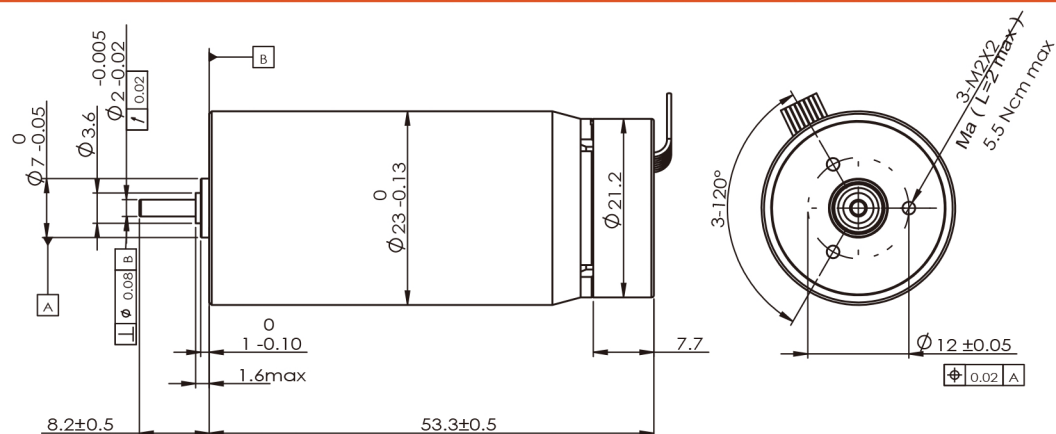




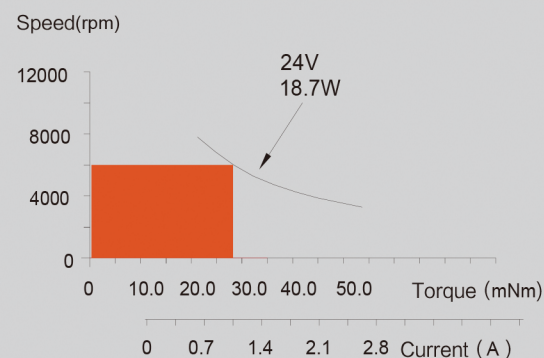
Motor Data

电机型号	Motor model			SR235309B	SR235324B-01	SR235324B-02		
1 额定电压	Nominal voltage	V	V	9	24	24		
2 空载转速	No load speed	rpm	Wnl	7370	7570	11000		
3 空载电流	No load current	mA	InI	<40	<18	<40		
4 额定转速	Nominal speed	rpm	Wc	6160	6350	9860		
5 额定转矩	Nominal torque	mNm	Tc	17	28.1	26.7		
6 额定电流	Nominal current	A	Ic	1.46	0.93	1.29		
7 输出功率	Output power	W	Pc	11	18.7	27.5		
8 堵转扭矩	Stall torque	mNm	Tmax	101	126.8	243.1		
9 堵转电流	Stall current	A	Imax	8.74	4.2	11.7		
10 最大效率	Max. efficiency	%	ηmax	83	80	80		
11 线间电阻	Terminal resistance	Ω	Rt	1.03	5.7	2.05		
12 力矩系数	Torque constant	mNm / A	Kt	11.6	30.2	20.7		
13 速度常数	Speed constant	rpm / V	Kn	823	315	460		
14 速度扭矩比	Speed torque gradient	rpm / mNm	Δn / ΔT	71.2	43.4	44		
15 线间电感	Terminal inductance	mH	L	0.11	0.45	1.07		
16 转子转动惯量	Rotor inertia	gcm ²	J	9.7	9.4	9.4		

Specifications

1 ambient temperature	Ta	-30~+100°C
2 Max.winding temperature	Tcoilmax	+125°C
3 Max.speed	Nmax	12000rpm
4 axial play	Δt	0.05~0.15mm
5 number of pole pairs	p	1
6 number of commutator segments		13
7 weight of motor	Wt	106 g
8 Max.axial load(dynamic)		5.6N
9 Max.force for press fits(static)		110N
10 Max.radial load,4mm from flange		28N

Operating Range



Terminal definitions

Red	1 Motor +	Magnet Encoder
2 +5V	2 GND	3 Channel
3 Channel A-	4 Channel A+	1000CPT
5 Channel B-	6 Channel B+	
7 Channel Z-	8 Channel Z+	
Black	Motor -	