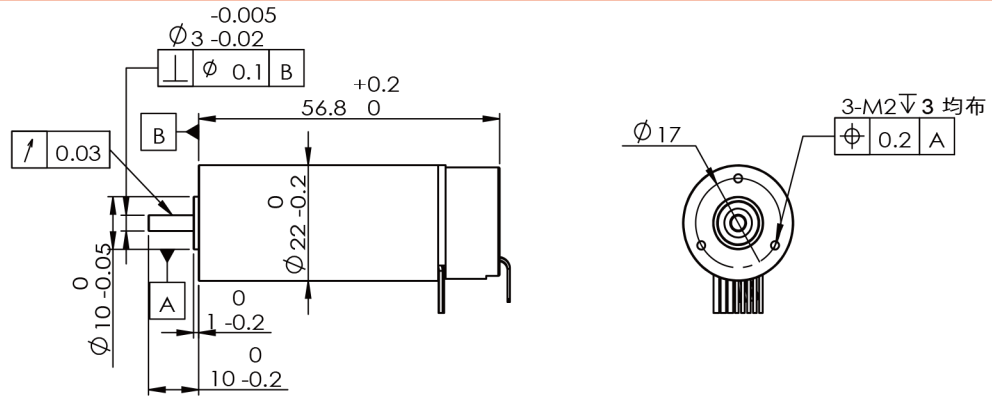




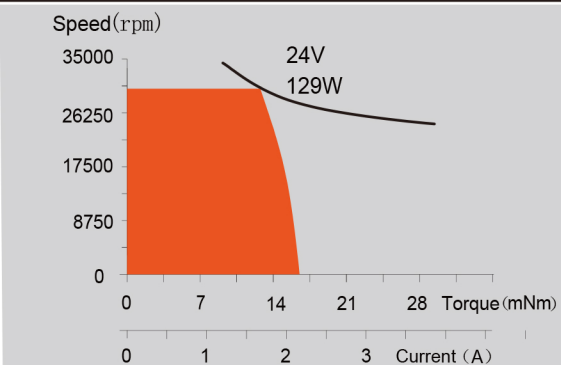
Motor Data

	Motor model			SBRS226024B	SBRS226036B	SBRS226048B	
1	Nominal voltage	V	V	24	36	48	
2	No load speed	rpm	WnI	34750	34610	33950	
3	No load current	mA	InI	<70	<20	<10	
4	Nominal speed	rpm	Wc	29000	29800	29900	
5	Nominal torque	mNm	Tc	14.5	14.9	13.5	
6	Nominal current	A	Ic	2.2	1.5	1	
7	Output power	W	Pc	43.9	46.3	42.2	
8	Stall torque	mNm	Tmax	129	143	123	
9	Stall current	A	Imax	19.6	14.4	9.1	
10	Max. efficiency	%	ηmax	83	86	88	
11	Terminal resistance	Ω	Rt	1.22	2.5	5.28	
12	Terminal inductance	L	mH	0.28	0.47	0.3	
13	Torque constant	mNm / A	Kt	6.6	9.9	13.5	
14	Speed constant	rpm / V	Kn	1453	962.7	708.1	
15	Speed torque gradient	rpm / mNm	Δn / ΔT	396.6	322.8	300	

Specifications

1	ambient temperature	Ta	-20~+65 °C
2	max. winding temperature	Tcoilmax	+85 °C
3	max. speed	Nmax	34750rpm
4	axial play	Δt	0.05-0.15 mm
5	number of pole pairs	2p	1
6	number of commutator segments		3
7	weight of motor	Wt	111g
8	Max. axial load (dynamic)		3.5N
9	Max. force for press fits (static)		60N
10	Max. radial load, 4 mm from flange		16N

Operating Range



Terminal definitions

Green	U		1	+5V		
Black	V		2	GND		
Red	W		3	Channel A-		
			4	Channel A+		
			5	Channel B-		
			6	Channel B+		
			7	Channel Z-		
			8	Channel Z+		
			9	Hall3		
			10	Hall2		
			11	Hall1		

Magnet Encoder
3 Channel
1000CPT