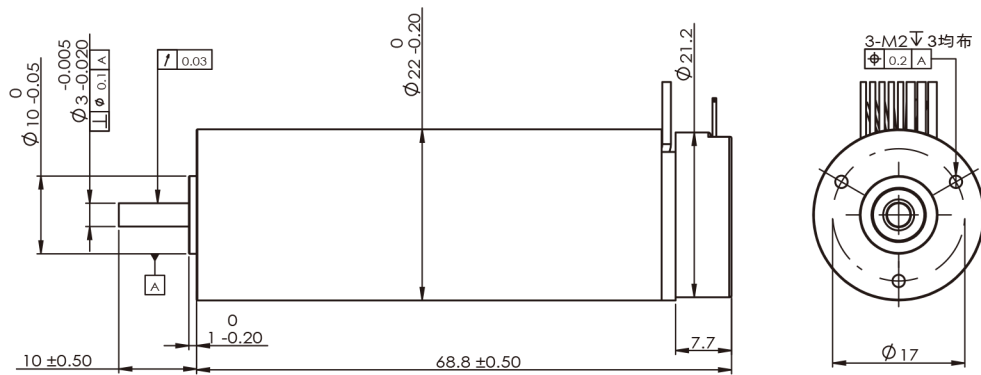
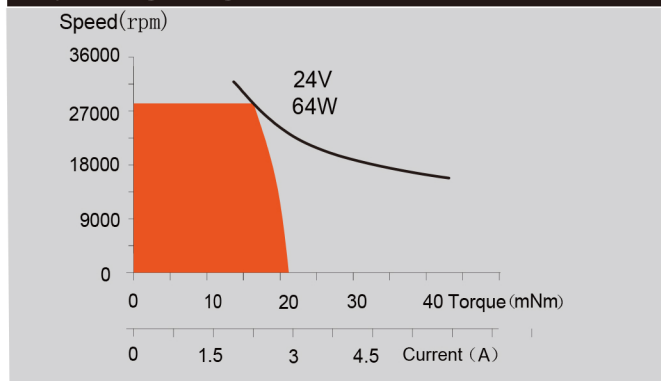



Motor Data

Motor model			SBRS226924B	SBRS226936B	SBRS226948B
1 Nominal voltage	V	V	24	36	48
2 No load speed	rpm	WnI	30300	34700	30850
3 No load current	mA	InI	<190	<230	<40
4 Nominal speed	rpm	Wc	29000	31000	29500
5 Nominal torque	mNm	Tc	21	18.6	19.3
6 Nominal current	A	Ic	2.8	1.9	1.3
7 Output power	W	Pc	64	60	59
8 Stall torque	mNm	Tmax	222.7	176	203.2
9 Stall current	A	Imax	29.6	18	13.7
10 Max. efficiency	%	ηmax	89	79	92
11 Terminal resistance	Ω	Rt	0.81	2	3.5
12 Terminal inductance	L	mH	0.2	0.33	0.9
13 Torque constant	mNm / A	Kt	7.52	9.78	14.81
14 Speed constant	rpm / V	Kn	1270.6	976.4	644.6
15 Speed torque gradient	rpm / mNm	Δn / ΔT	61.8	199.1	70.1

Specifications

1 ambient temperature	Ta	-20~+65 °C
2 max. winding temperature	Tcoilmax	+85 °C
3 max. speed	Nmax	34700rpm
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	131g
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	Magnet Encoder 3 Channel 1000CPT
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	