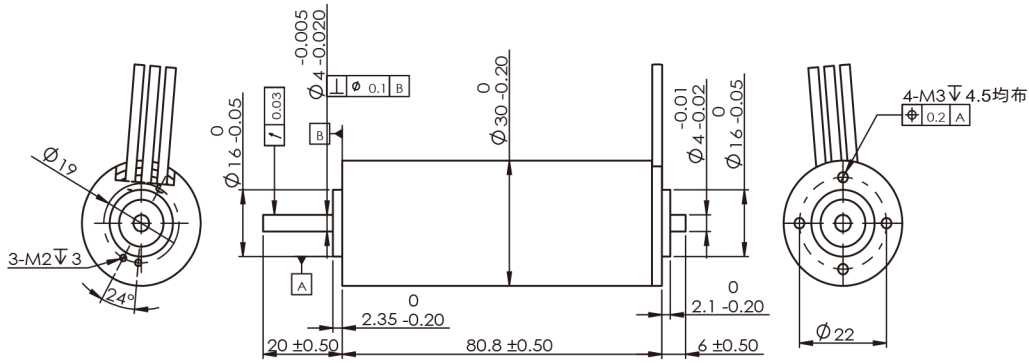




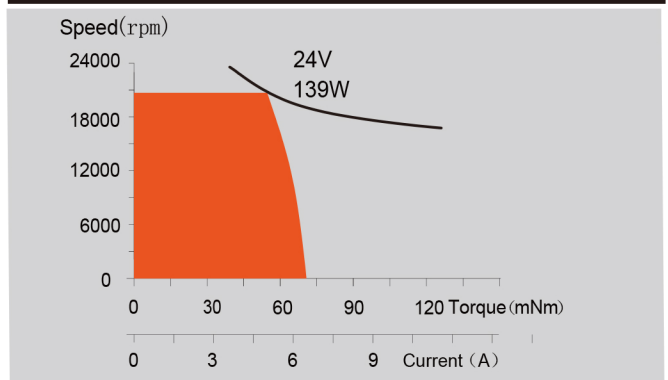
Motor Data

	Motor model			BRS308124B	BRS308136B	BRS308148B	
1	Nominal voltage	V	V	24	36	48	
2	No load speed	rpm	Wnl	22300	33900	32860	
3	No load current	mA	InI	<260	<390	<350	
4	Nominal speed	rpm	Wc	20000	30000	31300	
5	Nominal torque	mNm	Tc	66.6	56.7	62.6	
6	Nominal current	A	Ic	6.5	5.6	4.5	
7	Output power	W	Pc	139	178	205	
8	Stall torque	mNm	Tmax	1365.8	2025.4	1964.4	
9	Stall current	A	Imax	133.3	200	141.2	
10	Max. efficiency	%	η_{max}	86	83	88	
11	Terminal resistance	Ω	Rt	0.18	0.18	0.34	
12	Terminal inductance	L	mH	0.2	0.2	0.27	
13	Torque constant	mNm / A	Kt	10.24	10.13	13.91	
14	Speed constant	rpm / V	Kn	932.2	942.9	686.3	
15	Speed torque gradient	rpm / mNm	$\Delta n / \Delta T$	35	68.4	24.9	

Specifications

1	ambient temperature	Ta	-20~+65 °C
2	max. winding temperature	Tcoilmax	+85 °C
3	max. speed	Nmax	33900rpm
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	315g
8	Max. axial load (dynamic)		5N
9	Max. force for press fits (static)		98N
10	Max. radial load, 4 mm from flange		25N

Operating Range



Terminal definitions

Green	U
Black	V
Red	W