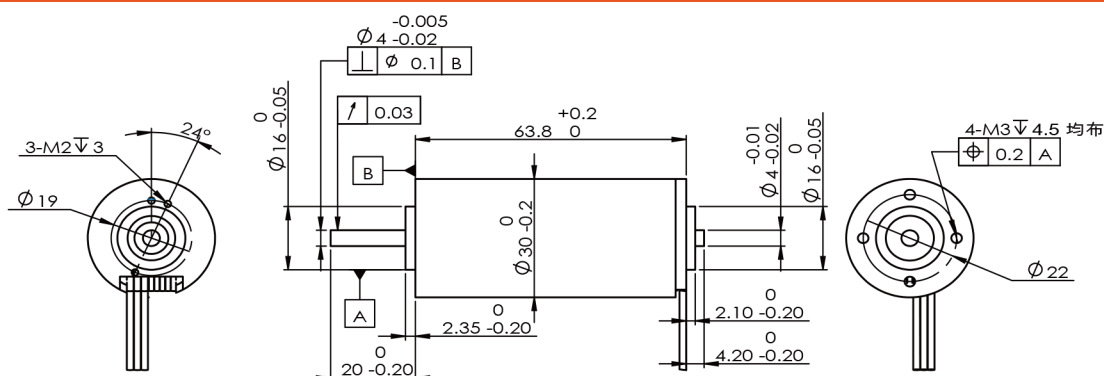




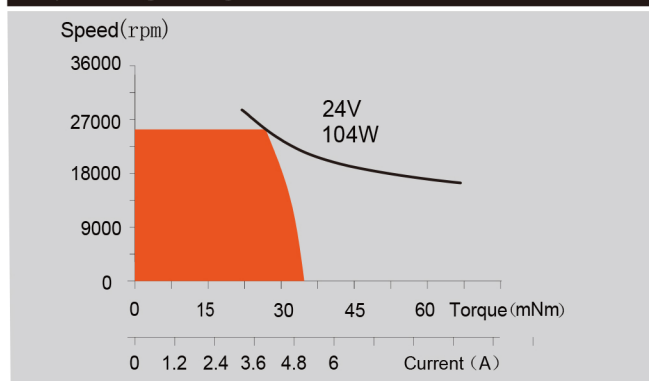
Motor Data

	Motor model			BRS306424B	BRS306436B	BRS306448B	
1	Nominal voltage	V	V	24	36	48	
2	No load speed	rpm	Wnl	28700	29300	30000	
3	No load current	mA	InI	<220	<120	<100	
4	Nominal speed	rpm	Wc	24940	27060	27000	
5	Nominal torque	mNm	Tc	39.8	38.6	41	
6	Nominal current	A	Ic	5	3.3	2.7	
7	Output power	W	Pc	104	109.4	116	
8	Stall torque	mNm	Tmax	798	702	608	
9	Stall current	A	Imax	100	60	40	
10	Max. efficiency	%	η_{max}	86.7	92	89	
11	Terminal resistance	Ω	Rt	0.27	0.6	1.2	
12	Terminal inductance	L	mH	0.07	0.169	0.26	
13	Torque constant	mNm / A	Kt	7.96	11.7	15.2	
14	Speed constant	rpm / V	Kn	1198.8	815.5	628.2	
15	Speed torque gradient	rpm / mNm	$\Delta n / \Delta T$	94.5	58	73.2	

Specifications

1	ambient temperature	Ta	-20~+65 °C
2	max. winding temperature	Tcoilmax	+85 °C
3	max. speed	Nmax	30000 rpm
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	242 g
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