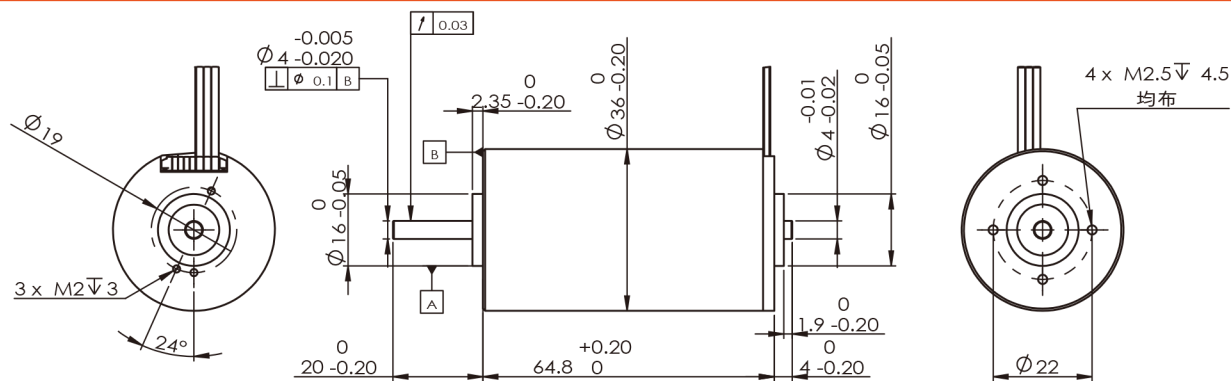




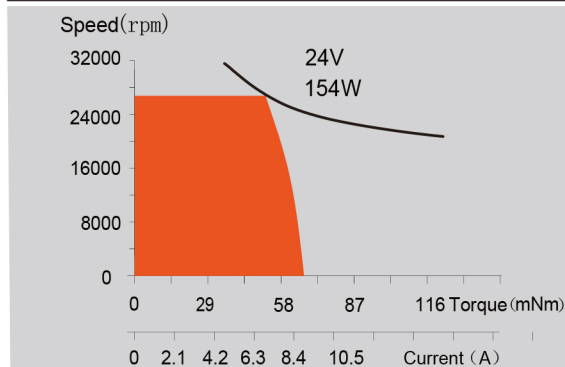
Motor Data

Motor model			BRS366424B	BRS366436B	BRS366448B	
1 Nominal voltage	V	V	24	36	48	
2 No load speed	rpm	Wnl	31300	31360	31200	
3 No load current	mA	InI	<200	<110	<100	
4 Nominal speed	rpm	Wc	25140	27000	28220	
5 Nominal torque	mNm	Tc	58.4	60	51	
6 Nominal current	A	Ic	8	5.5	3.5	
7 Output power	W	Pc	154	170	151	
8 Stall torque	mNm	Tmax	1251	2072	1130	
9 Stall current	A	Imax	171.4	190.1	77.4	
10 Max. efficiency	%	η_{max}	80	86	90	
11 Terminal resistance	Ω	Rt	0.14	0.33	0.62	
12 Terminal inductance	L	mH	0.042	0.06	0.33	
13 Torque constant	mNm / A	Kt	7.3	10.9	14.6	
14 Speed constant	rpm / V	Kn	1305.6	872	650.8	
15 Speed torque gradient	rpm / mNm	$\Delta n / \Delta T$	105.5	72.7	58.4	

Specifications

1 ambient temperature	Ta	-20~+65 °C
2 max. winding temperature	Tcoilmax	+85 °C
3 max. speed	Nmax	31360 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	328 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