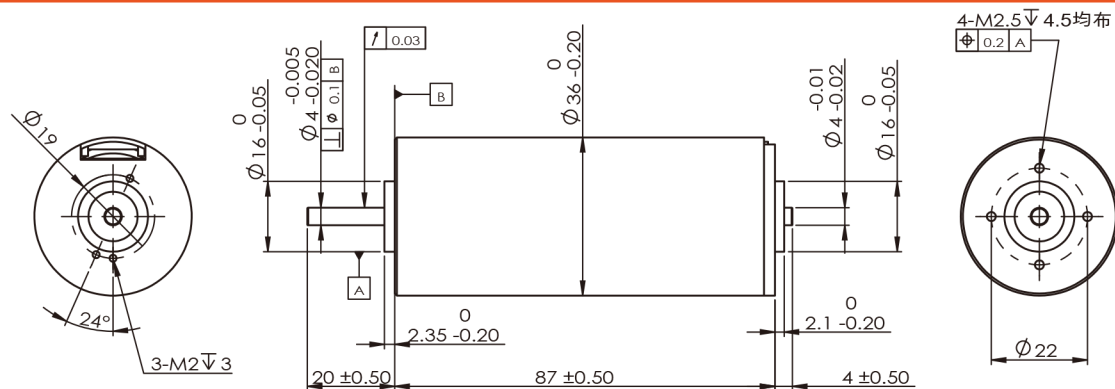




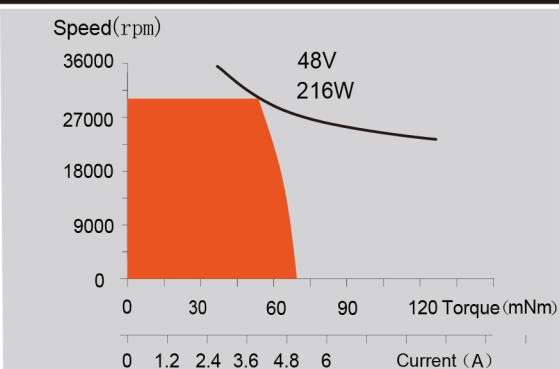
Motor Data

Motor model			BRS368748B		
1 Nominal voltage	V	V	48		
2 No load speed	rpm	WnI	33000		
3 No load current	mA	InI	<500		
4 Nominal speed	rpm	Wc	30000		
5 Nominal torque	mNm	Tc	69		
6 Nominal current	A	Ic	5		
7 Output power	W	Pc	216		
8 Stall torque	mNm	Tmax	2077		
9 Stall current	A	Imax	150		
10 Max. efficiency	%	ηmax	89		
11 Terminal resistance	Ω	Rt	0.32		
12 Terminal inductance	L	mH	0.17		
13 Torque constant	mNm / A	Kt	13.85		
14 Speed constant	rpm / V	Kn	689.5		
15 Speed torque gradient	rpm / mNm	Δn / ΔT	43.5		

Specifications

1 ambient temperature	Ta	-20~+65 °C
2 max. winding temperature	Tcoilmax	+85 °C
3 max. speed	Nmax	33000 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	414 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

