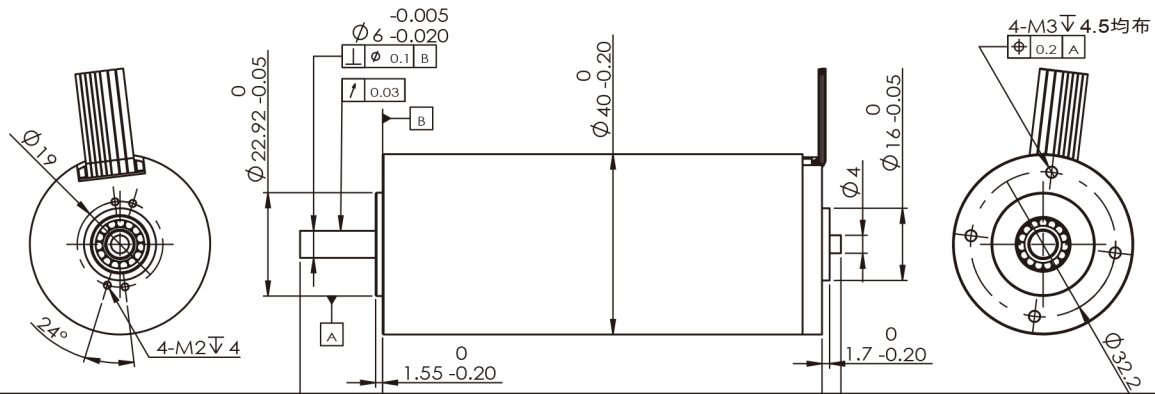




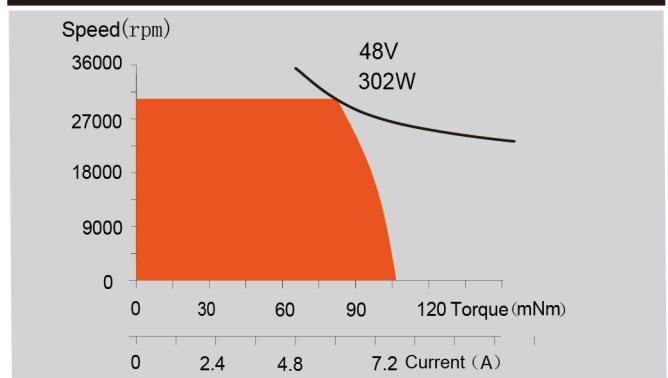
Motor Data

	Motor model			BRS409748B		
1	Nominal voltage	V	V	48		
2	No load speed	rpm	Wnl	34000		
3	No load current	mA	InI	<400		
4	Nominal speed	rpm	Wc	31000		
5	Nominal torque	mNm	Tc	93		
6	Nominal current	A	Ic	6.6		
7	Output power	W	Pc	302		
8	Stall torque	mNm	Tmax	1988		
9	Stall current	A	Imax	141		
10	Max. efficiency	%	η_{max}	89		
11	Terminal resistance	Ω	Rt	0.34		
12	Terminal inductance	L	mH	0.2		
13	Torque constant	mNm / A	Kt	14.1		
14	Speed constant	rpm / V	Kn	677		
15	Speed torque gradient	rpm / mNm	$\Delta n / \Delta T$	32.26		

Specifications

1	ambient temperature	Ta	-20~+65 °C
2	max. winding temperature	Tcoilmax	+85 °C
3	max. speed	Nmax	34000 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	550 g
8	Max. axial load (dynamic)		8N
9	Max. force for press fits (static)		211N
10	Max. radial load, 4 mm from flange		80N

Operating Range



Terminal definitions

1	+5V
2	GND
3	Hall3
4	Hall2
5	Hall1
Green	U
Black	V
Red	W