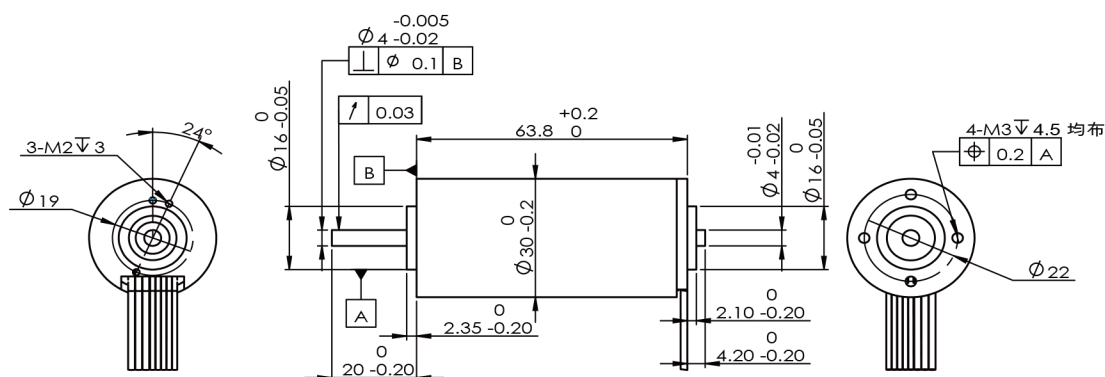




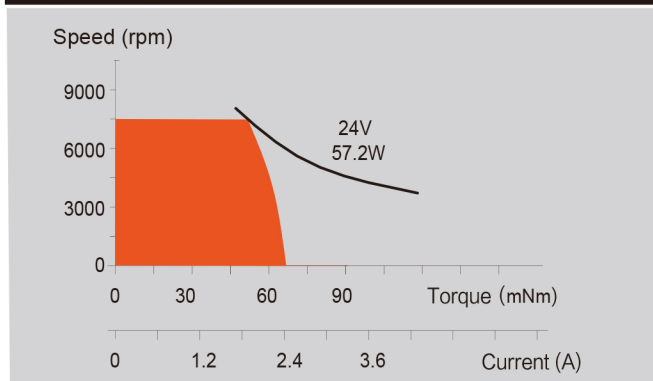
Motor Data

	Motor model			BR306424B	BR306424B-03	BR306436B	BR306436B-03	BR306448B	BR306448B-03
1	Nominal voltage	V	V	24	24	36	36	48	48
2	No load speed	rpm	Wnl	8400	9250	9510	9900	8040	8400
3	No load current	mA	InI	<400	<400	<300	<350	<200	<200
4	Nominal speed	rpm	Wc	7500	8300	8600	9000	7300	7500
5	Nominal torque	mNm	Tc	72	72	70	70	71	70
6	Nominal current	A	Ic	2.68	2.95	1.97	2.05	1.27	1.31
7	Output power	W	Pc	57.2	62.5	63.1	66.2	54.4	55.1
8	Stall torque	mNm	Tmax	643.9	609.5	639.8	671	677.9	571.1
9	Stall current	A	Imax	24	25	18	19.7	12.1	10.67
10	Max. efficiency	%	η max	89	88	89	90	90	88
11	Terminal resistance	Ω	Rt	1	0.96	2	1.83	3.97	4.5
12	Terminal inductance	L	mH	0.26	0.38	0.72	0.91	1	1.3
13	Torque constant	mNm / A	Kt	26.83	24.38	35.55	34.11	56.07	53.54
14	Speed constant	rpm / V	Kn	355.9	391.7	268.6	280.0	170.3	178.3
15	Speed torque gradient	rpm / mNm	$\Delta n / \Delta T$	11.3	13.33	12.8	12.46	10.2	12.7

Specifications

1	ambient temperature	Ta	-20~+65 °C
2	max. winding temperature	Tcoilmax	+85 °C
3	max. speed	Nmax	10451 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	302 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

