

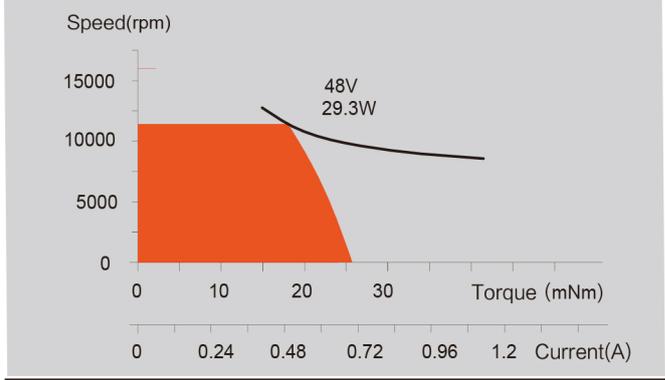
Motor Data

	Motor model			SBR226012B-02	SBR226018B-02	SBR226024B-02	SBR226036B-02	SBR226048B-02
1	Nominal voltage	V	V	12	18	24	36	48
2	No load speed	rpm	Wnl	11500	8850	11500	9000	12000
3	No load current	mA	InI	<300	<300	<300	<300	<300
4	Nominal speed	rpm	Wc	9050	7600	10300	8000	11100
5	Nominal torque	mNm	Tc	24	26	26	27	25
6	Nominal current	A	Ic	2.44	1.39	1.34	0.76	0.69
7	Output power	W	Pc	22.7	20.8	28.2	22.7	29.3
8	Stall torque	mNm	Tmax	107.15	153.08	211.4	161.95	219.75
9	Stall current	A	Imax	10.9	8.18	10.9	4.54	6.05
10	Max. efficiency	%	ηmax	77.6	83	87.7	83.3	88.6
11	Terminal resistance	Ω	Rt	1.1	2.2	2.2	7.93	7.93
12	Terminal inductance	L	mH	0.25	0.5	0.5	1	1
13	Torque constant	mNm / A	Kt	9.8	18.7	19.38	35.7	36.3
14	Speed constant	rpm / V	Kn	971.4	510.4	492.7	267.7	263
15	Speed torque gradient	rpm / mNm	Δn / ΔT	95.43	47.6	43.4	35.9	32.43

Specifications

1	ambient temperature	Ta	-20~+65 °C
2	max. winding temperature	Tcoilmax	+85 °C
3	max. speed	Nmax	13200 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	126 g
8	Max. axial load (dynamic)		3.5N
9	Max. force for press fits (static)		60N
10	Max. radial load, 4 mm from flange		16N

Operating Range



Terminal definitions

