

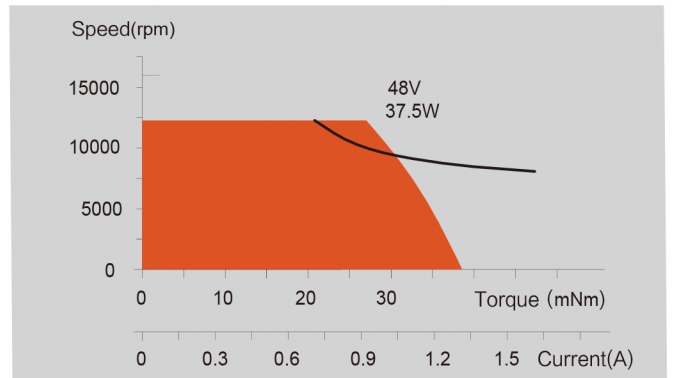
Motor Data

电机型号	Motor model			SBR226018B-02	SBR226024B-02	SBR226036B-02	SBR226048B-02
1 额定电压	Nominal voltage	V	V	18	24	36	48
2 空载转速	No load speed	rpm	Wnl	8850	11500	9000	12000
3 空载电流	No load current	mA	InI	<300	<300	<300	<300
4 额定转速	Nominal speed	rpm	Wc	7600	10300	8000	11100
5 额定转矩	Nominal torque	mNm	Tc	26	26	27	25
6 额定电流	Nominal current	A	Ic	1.39	1.34	0.76	0.69
7 输出功率	Output power	W	Pc	20.8	28.2	22.7	29.3
8 堵转扭矩	Stall torque	mNm	Tmax	153.08	211.4	161.95	219.75
9 堵转电流	Stall current	A	Imax	8.18	10.9	4.54	6.05
10 最大效率	Max. efficiency	%	η_{max}	83	87.7	83.3	88.6
11 线间电阻	Terminal resistance	Ω	Rt	2.2	2.2	7.93	7.93
12 线圈电感	Terminal inductance	L	mH	0.5	0.5	1	1
13 力矩系数	Torque constant	mNm / A	Kt	18.7	19.38	35.7	36.3
14 速度常数	Speed constant	rpm / V	Kn	510.4	492.7	267.7	263
15 速度扭矩比	Speed torque gradient	rpm / mNm	$\Delta n / \Delta T$	47.6	43.4	35.9	32.43

Specifications

- 1 ambient temperature T_a -20~+65°C
- 2 Max.winding temperature $T_{coilmax}$ +85°C
- 3 Max.speed N_{max} 12000rpm
- 4 axial play Δt 0.05~0.15mm
- 5 number of pole pairs p 1
- 6 number of commutator segments 3
- 7 weight of motor W_t 126g
- 8 Max.axial load(dynamic) 3.5N
- 9 Max.force for press fits(static) 60N
- 10 Max.radial load,4mm from flange 16N

Operating Range



Terminal definitions

