

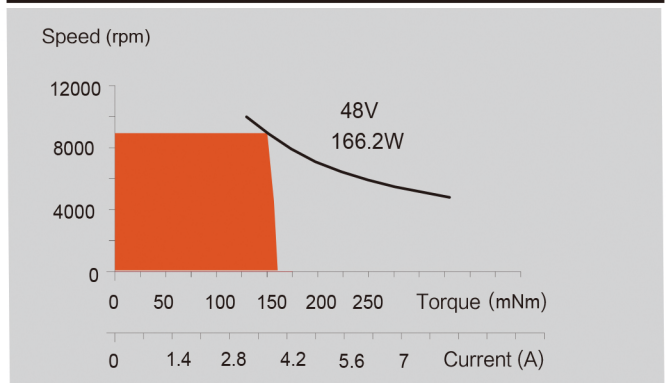
Motor Data

电机型号	Motor model			SBR408524B	SBR408548B
1 额定电压	Nominal voltage	V	V	24	48
2 空载转速	No load speed	rpm	Wnl	11100	10000
3 空载电流	No load current	mA	InI	350	150
4 额定转速	Nominal speed	rpm	Wc	10290	9300
5 额定转矩	Nominal torque	mNm	Tc	140	170
6 额定电流	Nominal current	A	Ic	6.74	3.72
7 输出功率	Output power	W	Pc	150	166.2
8 堵转转矩	Stall torque	mNm	Tmax	2076.2	2465.2
9 堵转电流	Stall current	A	Imax	100	53.93
10 最大效率	Max. efficiency	%	η_{max}	93.3	93.1
11 线间电阻	Terminal resistance	Ω	Rt	0.24	0.89
12 线圈电感	Terminal inductance	L	mH	0.3	0.5
13 力矩系数	Torque constant	mNm / A	Kt	20.76	45.71
14 速度常数	Speed constant	rpm / V	Kn	460	208.9
15 速度转矩比	Speed torque gradient	rpm / mNm	$\Delta n / \Delta T$	5.04	3.9

Specifications

1 ambient temperature	Ta	-20~+65°C
2 Max.winding temperature	Tcoilmax	+85°C
3 Max.speed	Nmax	10000rpm
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	Wt	578g
8 Max.axial load(dynamic)		8N
9 Max.force for press fits(static)		211N
10 Max.radial load,4mm from flange		80N

Operating Range



Terminal definitions

