

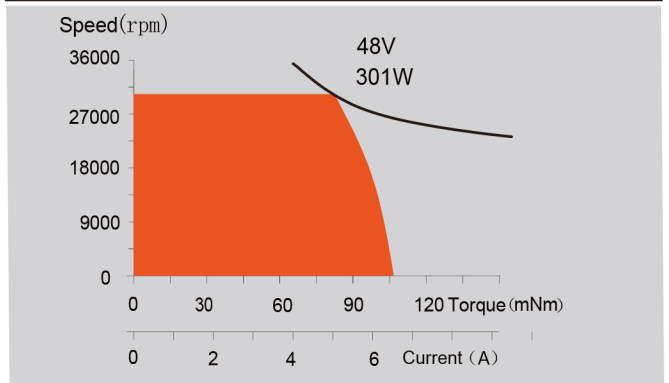
Motor Data

Motor model	SBRS4011148B			
1 Nominal voltage	V	V	48	
2 No load speed	rpm	WnI	32600	
3 No load current	mA	InI	<180	
4 Nominal speed	rpm	Wc	31000	
5 Nominal torque	mNm	Tc	92.7	
6 Nominal current	A	Ic	6.6	
7 Output power	W	Pc	301	
8 Stall torque	mNm	Tmax	1982.5	
9 Stall current	A	Imax	141.2	
10 Max. efficiency	%	ηmax	92	
11 Terminal resistance	Ω	Rt	0.34	
12 Terminal inductance	L	mH	0.2	
13 Torque constant	mNm / A	Kt	14.04	
14 Speed constant	rpm / V	Kn	680	
15 Speed torque gradient	rpm / mNm	Δn / ΔT	17.3	

Specifications

1 ambient temperature	Ta	-20~+65 °C
2 max. winding temperature	Tcoilmax	+85 °C
3 max. speed	Nmax	32600 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	595 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

