

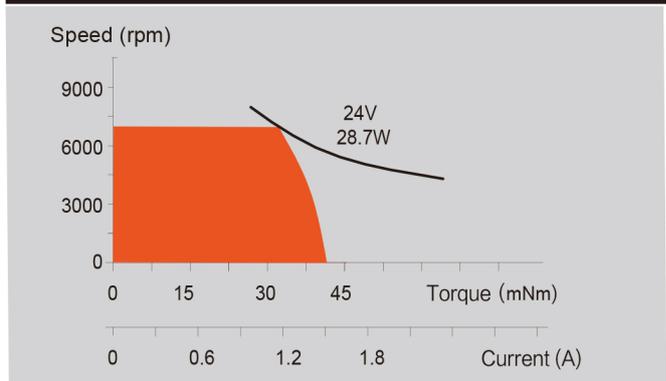
Motor Data

Motor model		SBR306024B-02	
1	Nominal voltage	V	24
2	No load speed	rpm	Wnl 8300
3	No load current	mA	InI < 290
4	Nominal speed	rpm	Wc 7000
5	Nominal torque	mNm	Tc 39
6	Nominal current	A	Ic 1.47
7	Output power	W	Pc 28.7
8	Stall torque	mNm	Tmax 212
9	Stall current	A	Imax 8
10	Max. efficiency	%	η_{max} 81
11	Terminal resistance	Ω	Rt 3
12	Terminal inductance	L	mH 0.5
13	Torque constant	mNm / A	Kt 26.6
14	Speed constant	rpm / V	Kn 358.8
15	Speed torque gradient	rpm / mNm	$\Delta n / \Delta T$ 32.45

Specifications

1	ambient temperature	Ta	-20~+65 °C
2	max. winding temperature	Tcoilmax	+85 °C
3	max. speed	Nmax	9130 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	201 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

