

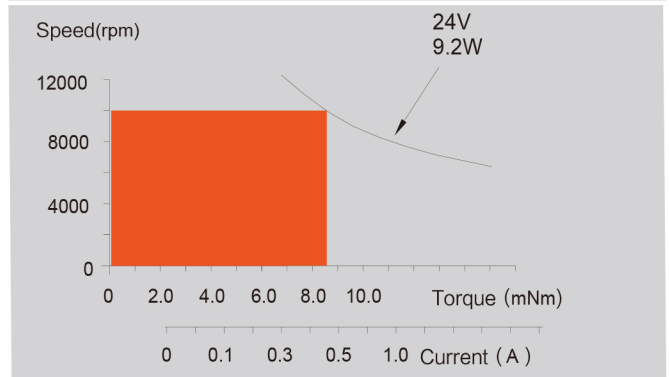
Motor Data

Motor model				SR233809B	SR233812B	SR233824B		
1	Nominal voltage	V	V	9	12	24		
2	No load speed	rpm	Wnl	12500	11000	12150		
3	No load current	mA	Inl	35	25	15		
4	Nominal speed	rpm	Wc	9200	9450	10000		
5	Nominal torque	mNm	Tc	11.7	9	8.7		
6	Nominal current	A	Ic	1.72	0.89	0.48		
7	Output power	W	Pc	11.3	8.9	9.2		
8	Stall torque	mNm	Tmax	42.8	36.4	33		
9	Stall current	A	I <sub>max</sub>	6.3	3.6	2		
10	Max. efficiency	%	η <sub>max</sub>	85	80	80		
11	Terminal resistance	Ω	R <sub>t</sub>	1.42	3.3	12		
12	Torque constant	mNm / A	K <sub>t</sub>	6.8	10.3	18.7		
13	Speed constant	rpm / V	K <sub>n</sub>	1388	920	506		
14	Speed torque gradient	rpm / mNm	Δn / ΔT	282	172	247		
15	Terminal inductance	mH	L	0.07	0.18	0.87		
16	Rotor inertia	gcm <sup>2</sup>	J	4.7	4.7	4.8		

Specifications

- 1 ambient temperature Ta -20~+65°C
- 2 Max.winding temperature Tcoilmax +125°C
- 3 Max.speed Nmax 16000rpm
- 4 axial play Δt 0.05~0.15mm
- 5 number of pole pairs p 1
- 6 number of commutator segments 5
- 7 weight of motor Wt 60g
- 8 Max.axial load(dynamic) 3N
- 9 Max.force for press fits(static) 45N
- 10 Max.radial load,4mm from flange 12N

Operating Range



Terminal definitions

