

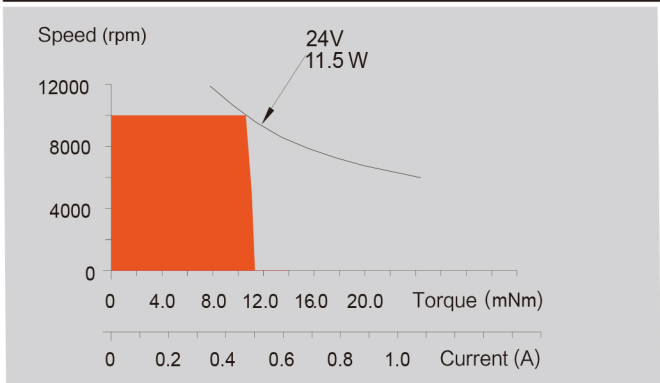
Motor Data

	Motor model			SRH223812B	SRH223824B	
1	Nominal voltage	V	V	12	24	
2	No load speed	rpm	Wnl	11500	12000	
3	No load current	mA	Inl	22	13	
4	Nominal speed	rpm	Wc	9500	9980	
5	Nominal torque	mNm	Tc	10.8	11	
6	Nominal current	A	Ic	1.11	0.58	
7	Output power	W	Pc	10.8	11.5	
8	Stall torque	mNm	Tmax	56.6	64.3	
9	Stall current	A	I _{max}	5.83	3.38	
10	Max. efficiency	%	η_{max}	80	82	
11	Terminal resistance	Ω	R _t	2.06	7.1	
12	Torque constant	mNm / A	K _t	9.7	19	
13	Speed constant	rpm / V	K _n	983	502	
14	Speed torque gradient	rpm / mNm	$\Delta n / \Delta T$	204	183	

Specifications

- 1 ambient temperature T_a -20~+65°C
- 2 Max.winding temperature $T_{coilmax}$ +125°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 5
- 7 weight of motor W_t 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

