

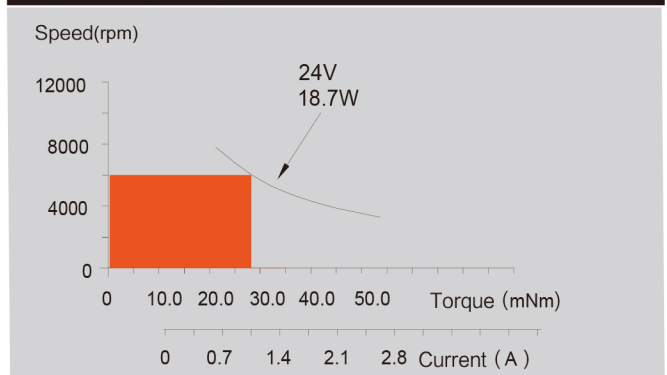
Motor Data

	Motor model			SR235309B	SR235312B	SR235324B-01	SR235324B-02	SR235336B	SR235348B
1	Nominal voltage	V	V	9	12	24	24	36	48
2	No load speed	rpm	Wnl	7370	11500	7570	11000	11500	11000
3	No load current	mA	InI	<40	<80	<18	<40	<20	<15
4	Nominal speed	rpm	Wc	6160	10000	6350	9860	10000	9528
5	Nominal torque	mNm	Tc	17	20.5	28.1	26.7	25	25
6	Nominal current	A	Ic	1.46	2.06	0.93	1.29	0.83	0.6
7	Output power	W	Pc	11	22.2	18.7	27.5	26.2	25
8	Stall torque	mNm	Tmax	101	195	126.8	243.1	190	183
9	Stall current	A	Imax	8.74	19.7	4.2	11.7	6.4	4.4
10	Max. efficiency	%	ηmax	83	80	80	80	86	86
11	Terminal resistance	Ω	Rt	1.03	0.61	5.7	2.05	5.65	10.88
12	Torque constant	mNm / A	Kt	11.6	9.9	30.2	20.7	29.8	41.5
13	Speed constant	rpm / V	Kn	823	962	315	460	320	230
14	Speed torque gradient	rpm / mNm	Δn / ΔT	71.2	57	43.4	44	59	59
15	Terminal inductance	mH	L	0.11	0.25	0.45	1.07	2.6	4.4
16	Rotor inertia	gcm ²	J	9.7	9.4	9.4	9.4	9.4	9.4

Specifications

- 1 ambient temperature T_a -30~+100°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 13
- 7 weight of motor W_t 106 g
- 8 Max.axial load(dynamic) 5.6N
- 9 Max.force for press fits(static) 110N
- 10 Max.radial load,4mm from flange 28N

Operating Range



Terminal definitions

