

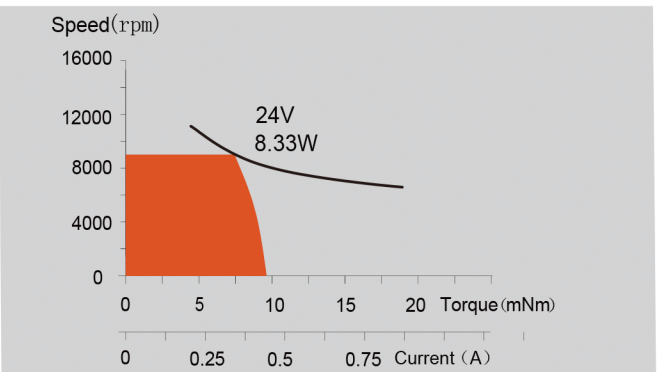
Motor Data

电机型号	Motor model			BR175912B-D	BR175924B-D		
1 额定电压	Nominal voltage	V	V	12	24		
2 空载转速	No load speed	rpm	Wnl	12300	11000		
3 空载电流	No load current	mA	InI	500	200		
4 额定转速	Nominal speed	rpm	Wc	10500	8500		
5 额定转矩	Nominal torque	mNm	Tc	10	9		
6 额定电流	Nominal current	A	Ic	1.17	0.49		
7 输出功率	Output power	W	Pc	11.31	8.33		
8 堵转转矩	Stall torque	mNm	Tmax	51.24	30.8		
9 堵转电流	Stall current	A	Imax	6	1.68		
10 最大效率	Max. efficiency	%	η_{max}	80	70		
11 线间电阻	Terminal resistance	Ω	Rt	2	14.3		
12 线圈电感	Terminal inductance	L	mH	4.5	6		
13 力矩系数	Torque constant	mNm / A	Kt	8.54	18.35		
14 速度常数	Speed constant	rpm / V	Kn	1118	520		
15 速度扭矩比	Speed torque gradient	rpm / mNm	$\Delta n / \Delta T$	150.05	240.1		

Specifications

- 1 ambient temperature T_a -20~+65°C
- 2 Max.winding temperature $T_{coilmax}$ +85°C
- 3 Max.speed N_{max} 12300rpm
- 4 axial play Δt 0.05~0.15mm
- 5 number of pole pairs p 1
- 6 number of commutator segments 3
- 7 weight of motor W_t 70g
- 8 Max.axial load(dynamic) 0.8N
- 9 Max.force for press fits(static) 15N
- 10 Max.radial load,4mm from flange 1.4N

Operating Range



Terminal definitions

