

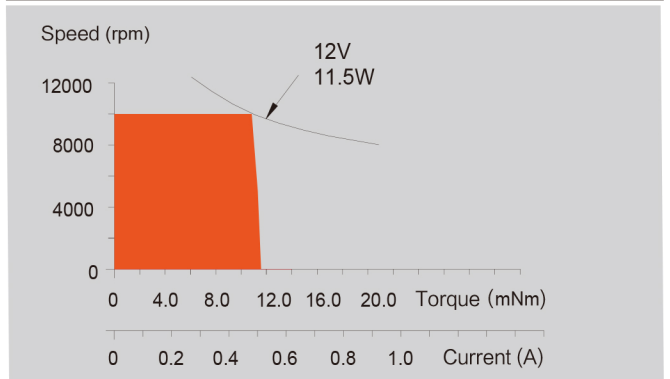
Motor Data

	Motor model			DRH223212B	DRH223224B		
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}	+85°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	54g
8 Max.axial load(dynamic)		3N
9 Max.force for press fits(static)		45N
10 Max.radial load,4mm from flange		12N

Operating Range



SMJ Modular System



Planetary Gearhead
 Type P22H
 Diameter $\phi 22$
 Torque 0.021~1.2N·m

Magnet Encoder
 1000 CPT
 3 channels