

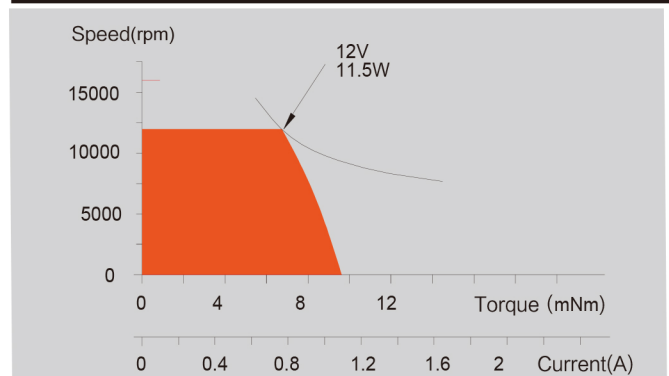
Motor Data

	Motor model			DRH164106B	DRH164112B		
1	Nominal voltage	V	V	6	12		
2	No load speed	rpm	Wnl	12300	15300		
3	No load current	mA	Inl	54	40		
4	Nominal speed	rpm	Wc	10240	12290		
5	Nominal torque	mNm	Tc	7.2	8.6		
6	Nominal current	A	Ic	1.55	1.16		
7	Output power	W	Pc	7.7	11.1		
8	Stall torque	mNm	Tmax	42.1	42.5		
9	Stall current	A	I _{max}	9.1	5.7		
10	Max. efficiency	%	η _{max}	87	80		
11	Terminal resistance	Ω	R _t	0.66	2.1		
12	Torque constant	mNm / A	K _t	4.63	7.4		
13	Speed constant	rpm / V	K _n	2060	1284		
14	Speed torque gradient	rpm / mNm	Δn / ΔT	285	350		

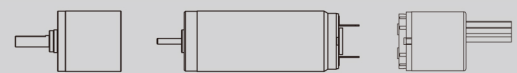
Specifications

- 1 ambient temperature T_a -20~+65°C
- 2 Max.winding temperature $T_{coilmax}$ +125°C
- 3 Max.speed N_{max} 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 W_t 40g
- 8 Max.axial load(dynamic) 0.8N
- 9 Max.force for press fits(static) 15N
- 10 Max.radial load,4mm from flange 1.5N

Operating Range



SMJ Modular System



Planetary Gearhead
 Type P16H
 Diameter φ16
 Torque 0.01~0.4N·m

Magnet Encoder
 1000 CPT
 3 channels