

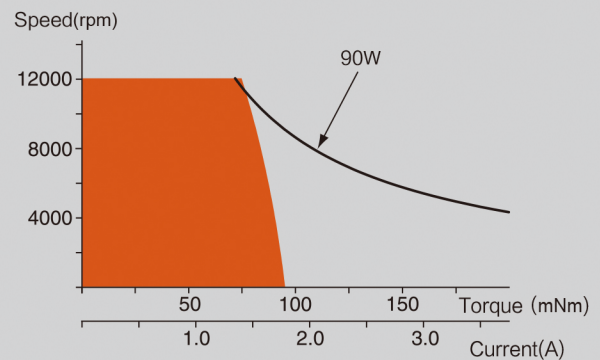
Motor Data

电机型号	Motor model			DR357112G	DR357115G	DR357124G	DR357130G
1 额定电压	Nominal voltage	V	V	12	15	24	30
2 空载转速	No load speed	rpm	Wnl	7200	7270	8000	7270
3 空载电流	No load current	mA	Inl	270	220	190	124
4 额定转速	Nominal speed	rpm	Wc	6550	6580	7200	6490
5 额定转矩	Nominal torque	mNm	Tc	89.4	97	119	97.2
6 额定电流	Nominal current	A	Ic	5.6	4.9	4.17	2.62
7 输出功率	Output power	W	Pc	61	66	90	66
8 堵转转矩	Stall torque	mNm	Tmax	950	981	1200	973
9 堵转电流	Stall current	A	Imax	60	50	42	25
10 最大效率	Max. efficiency	%	ηmax	87	90	90	85
11 线间电阻	Terminal resistance	Ω	Rt	0.2	0.3	0.57	1.2
12 力矩系数	Torque constant	mNm / A	Kt	15.8	19.62	28.5	38.9
13 速度常数	Speed constant	rpm / V	Kn	602	486	335	246
14 速度扭矩比	Speed torque gradient	rpm / mNm	Δn / ΔT	7.24	7.1	6.36	7.57
15 线间电感	Terminal inductance	mH	L	0.05	0.08	0.186	0.35
16 转子转动惯量	Rotor inertia	gcm ²	J	68.2	68.2	79.4	68.2

Specifications

1 ambient temperature	Ta	-30~+100°C
2 Max.winding temperature	Tcoilmax	+155°C
3 Max.speed	Nmax	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	Wt	340g
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



SMJ Modular System

Planetary Gearhead	Encoder HEDS_5540
Type P35H	500 CPT
Diameter φ35	3 channels
Torque 0.256~20N·m	see page 34
See page 39	