

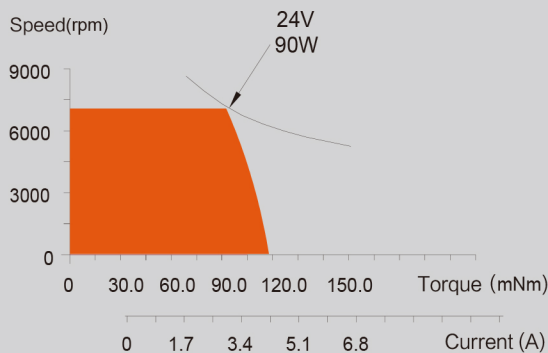
Motor Data

	Motor model			DR357112G	DR357115G	DR357124G	DR357130G	DR357148G
1	Nominal voltage	V	V	12	15	24	30	48
2	No load speed	rpm	Wnl	7200	7270	8000	7270	8100
3	No load current	mA	Inl	330	220	190	124	59
4	Nominal speed	rpm	Wc	6550	6580	7200	6490	7000
5	Nominal torque	mNm	Tc	89.4	97	119	97.2	97
6	Nominal current	A	Ic	5.6	4.9	4.17	2.62	1.7
7	Output power	W	Pc	61	66	90	66	72
8	Stall torque	mNm	Tmax	950	981	1200	973	777
9	Stall current	A	I _{max}	60	50	42	25	13.8
10	Max. efficiency	%	η _{max}	87	90	90	85	85
11	Terminal resistance	Ω	R _t	0.2	0.3	0.57	1.2	3.48
12	Torque constant	mNm / A	K _t	15.8	19.62	28.5	38.9	56.3
13	Speed constant	rpm / V	K _n	602	486	335	246	169
14	Speed torque gradient	rpm / mNm	Δn / ΔT	7.24	7.1	6.36	7.57	10
15	Terminal inductance	mH	L	0.05	0.08	0.24	0.35	0.95
16	Rotor inertia	gcm ²	J	68.2	68.2	79.4	68.2	68.2

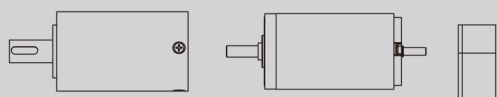
Specifications

1	ambient temperature	T _a	-20~+65 °C
2	max. winding temperature	T _{coilmax}	+125 °C
3	max. speed	N _{max}	8910 rpm
4	axial play	Δt	0.05-0.15 mm
5	number of pole pairs	2p	1
6	number of commutator segments		13
7	weight of motor	W _t	340g
8	Max. axial load (dynamic)		5.6N
9	Max. force for press fits (static)		110N
10	Max. radial load, 4 mm from flange		28N

Operating Range



SMJ Modular System



Planetary Gearhead
 Model number P35H
 Outside Diameter φ35
 Torque 0.256~20N·m
 See page 51

Encoder
 1000 CPT
 3 Channels
 see page 46