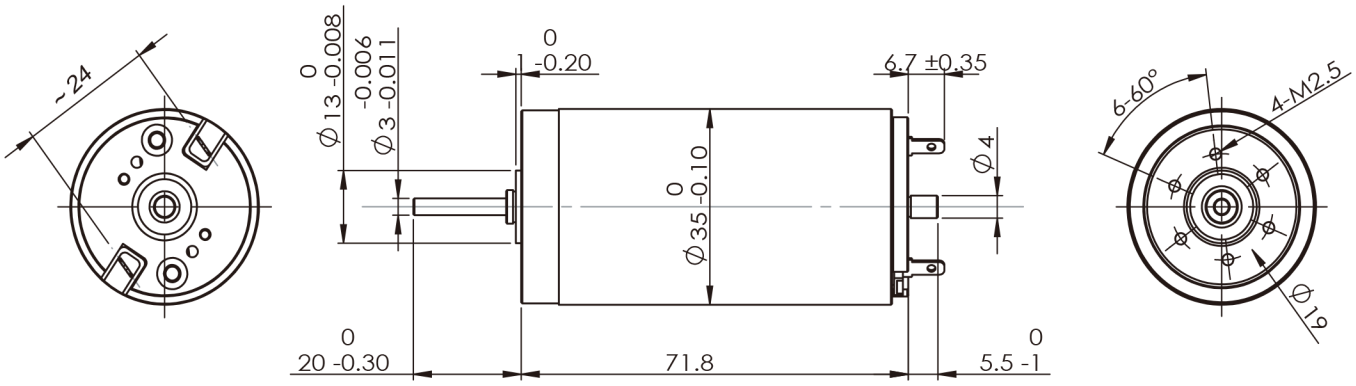
DR3571B | Graphite Brush



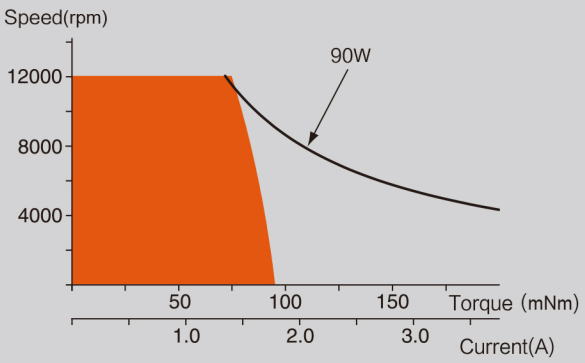
Motor Data

	motor model			DR357124B	DR357130B			
1	nominal voltage	V	V	24	30			
2	no load speed	rpm	Wnl	7000	7270			
3	no load current	mA	Inl	150	124			
4	nominal speed	rpm	Wc	5900	6490			
5	nominal torque	mNm	Tc	117	97.2			
6	nominal current	A	Ic	3.6	2.62			
7	output power	W	Pc	72	66			
8	stall torque	mNm	Tmax	715	973			
9	stall current	A	Imax	22	25			
10	max. efficiency	%	ηmax	83	85			
11	terminal resistance	Ω	Rt	1.08	1.2			
12	torque constant	mNm / A	Kt	32.5	28.9			
13	speed constant	rpm / V	Kn	291	246			
14	speed torque gradient	rpm / mNm	Δn / ΔT	9.4	7.57			

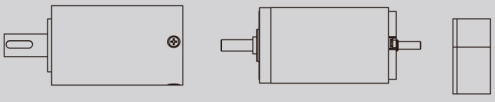
Specifications

1	ambient temperature	Ta	-30~+100°C
2	Max.winding temperature	Tcoilmax	+155°C
3	Max.speed	Nmax	12000rpm
4	axial play	△t	0.05~0.15mm
5	number of pole pairs	2p	1
6	number of commutator segments		13
7	weight of motor	Wt	340 g
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
Type P35H
Diameter φ35
Torque 0.256~20N·m
See page 39

Encoder HEDS_5540
500 CPT
3 channels
see page 34