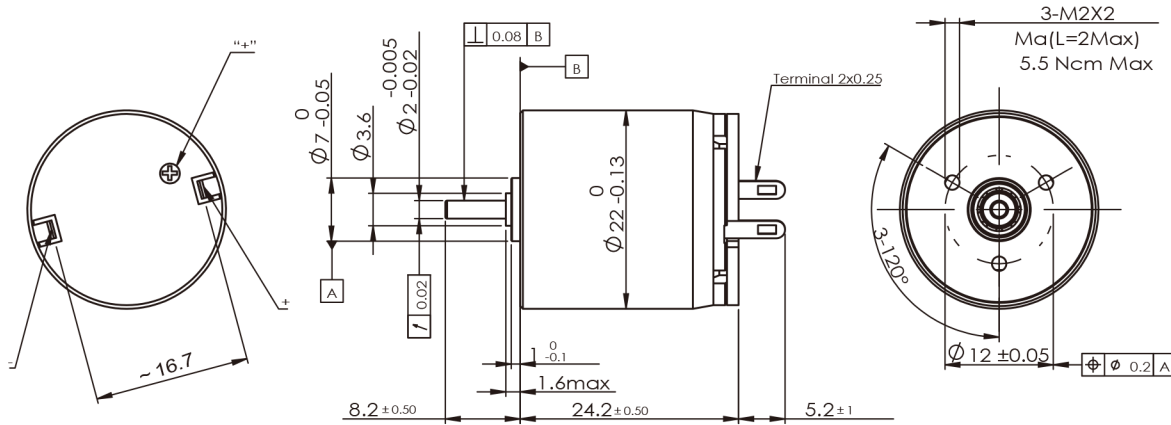




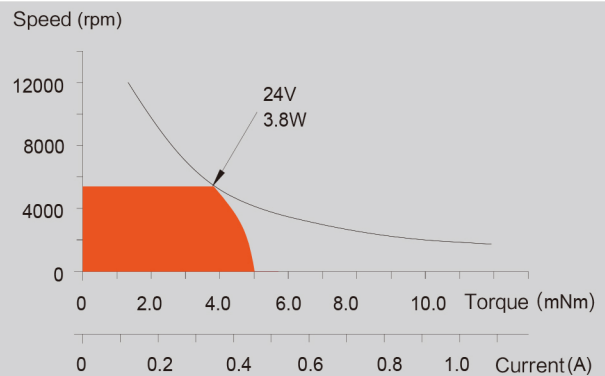
Motor Data

	Motor model			DR222406B	DR222409B	DR222412B	DR222418B	DR222424B	DR222436B
1	Nominal voltage	V	V	6	9	12	18	24	36
2	No load speed	rpm	WnI	10900	11800	12000	10800	12000	10800
3	No load current	mA	InI	38	40	24	18	14	12
4	Nominal speed	rpm	Wc	6900	6200	7200	6320	5136	6460
5	Nominal torque	mNm	Tc	5	5	5	5	5	5
6	Nominal current	A	Ic	0.98	0.7	0.53	0.33	0.27	0.17
7	Output power	W	Pc	3.61	3.26	3.8	3.31	2.7	3.38
8	Stall torque	mNm	Tmax	14	10.38	12.36	12.1	8.55	12.4
9	Stall current	A	Imax	2.37	1.45	1.32	0.79	0.46	0.41
10	Max. efficiency	%	ηmax	79	78	79	79	42	77
11	Terminal resistance	Ω	Rt	2.2	6.2	9.1	22.8	52	87.6
12	Torque constant	mNm / A	Kt	5.12	7.15	9.38	15.27	18.52	30.28
13	Speed constant	rpm / V	Kn	1866	1336	1018	625	516	315
14	Speed torque gradient	rpm / mNm	Δn / ΔT	781	1114	944	896	1372	868
15	Terminal inductance	mH	L	0.09	0.1	0.209	0.87	1.12	2.99
16	Rotor inertia	gcm ²	J	2.74	2.74	2.74	2.84	2.62	2.33

Specifications

1	ambient temperature	Ta	-20~+65 °C
2	max. winding temperature	Tcoilmax	+85 °C
3	max. speed	Nmax	13200 rpm
4	axial play	Δt	0.05-0.15 mm
5	number of pole pairs	2p	1
6	number of commutator segments		5
7	weight of motor	Wt	44 g
8	Max. axial load (dynamic)		3N
9	Max. force for press fits (static)		45N
10	Max. radial load, 4 mm from flange		12N

Operating Range



SMJ Modular System

Planetary Gearhead	Encoder
Model number P22H	1000 CPT
Outside Diameter ϕ22	3 Channels
Torque 0.018~1.2N·m	see page 46
See page 49	