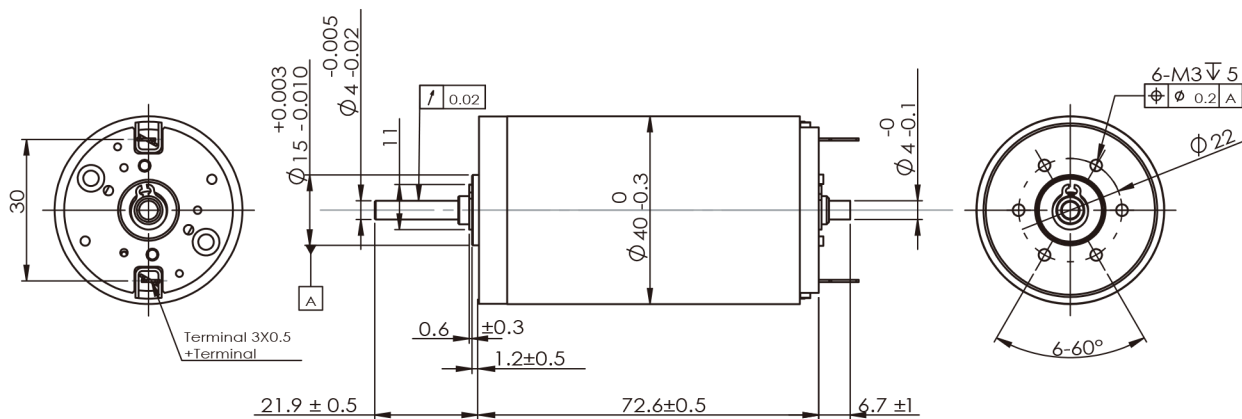




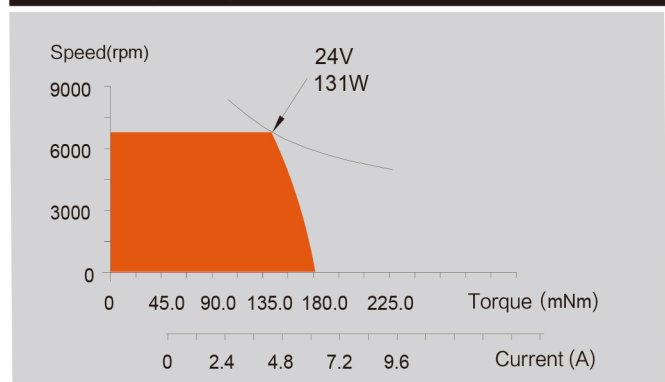
Motor Data

	Motor model			DR407124GK	DR407148GK-01	DR407148GK-02		
1	Nominal voltage	V	V	24	48	48		
2	No load speed	rpm	Wnl	7600	7960	6500		
3	No load current	mA	InI	250	141	174		
4	Nominal speed	rpm	Wc	6200	7000	5400		
5	Nominal torque	mNm	Tc	180	187	186		
6	Nominal current	A	Ic	6.06	3.26	2.67		
7	Output power	W	Pc	117	137	106		
8	Stall torque	mNm	Tmax	957.4	1246	1087		
9	Stall current	A	Imax	32	21.7	15.6		
10	Max. efficiency	%	ηmax	81	88	83		
11	Terminal resistance	Ω	Rt	0.35	1.7	3.08		
12	Torque constant	mNm / A	Kt	29.9	57.4	69.73		
13	Speed constant	rpm / V	Kn	319.16	166	137		
14	Speed torque gradient	rpm / mNm	Δn / ΔT	7.7	5.1	5.7		
15	Terminal inductance	mH	L	0.18	0.496	0.84		
16	Rotor inertia	gcm ²	J	142.6	137.8	129		

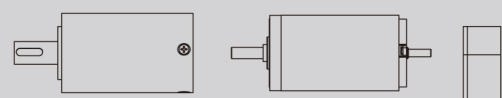
Specifications

1	ambient temperature	Ta	-20~+65 °C
2	max. winding temperature	Tcoilmax	+85 °C
3	max. speed	Nmax	8800 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	Wt	480 g
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 P42H
Outside Diameter φ42
Torque 0.578~15N·m
See page 52

Encoder
1000 CPT
3 Channels
see page 46