

Foldable Prop

20"-22"

M3*10mm Mounting Screw*2



Copper adapter
6mm*4mm*1

Contents-MN501S



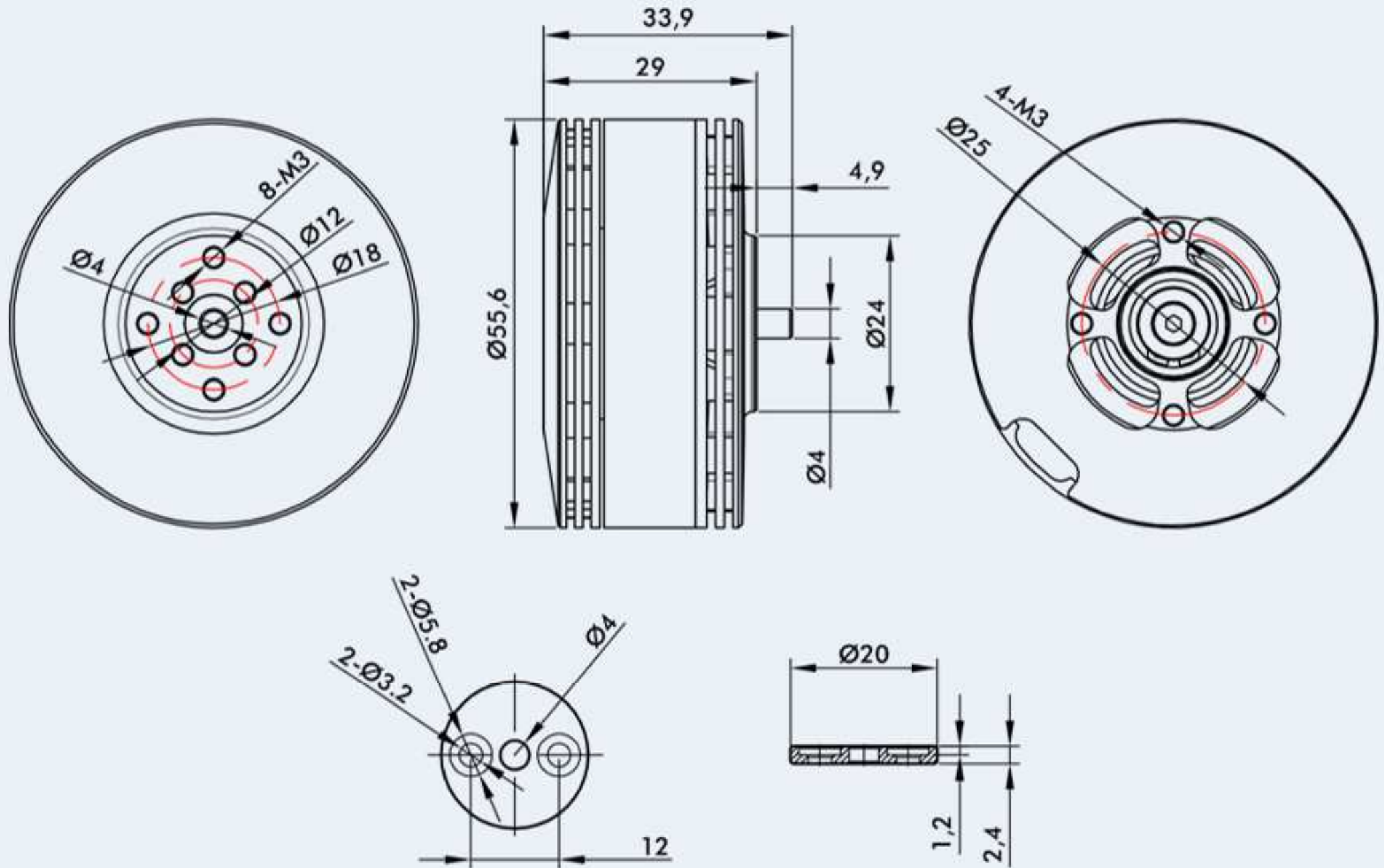
Motor × 1
(KV240 、 KV300 or KV360)



Parts Bag × 1
(M3*10mm Mounting Screw*2、 Cover*1、
M3*8mm Motor Mounting Screw*4)

Please check that your package contains all the above items before use.
If something is missing, please contact T-MOTOR.

Product Drawing-MN501S



Specifications-MN501S

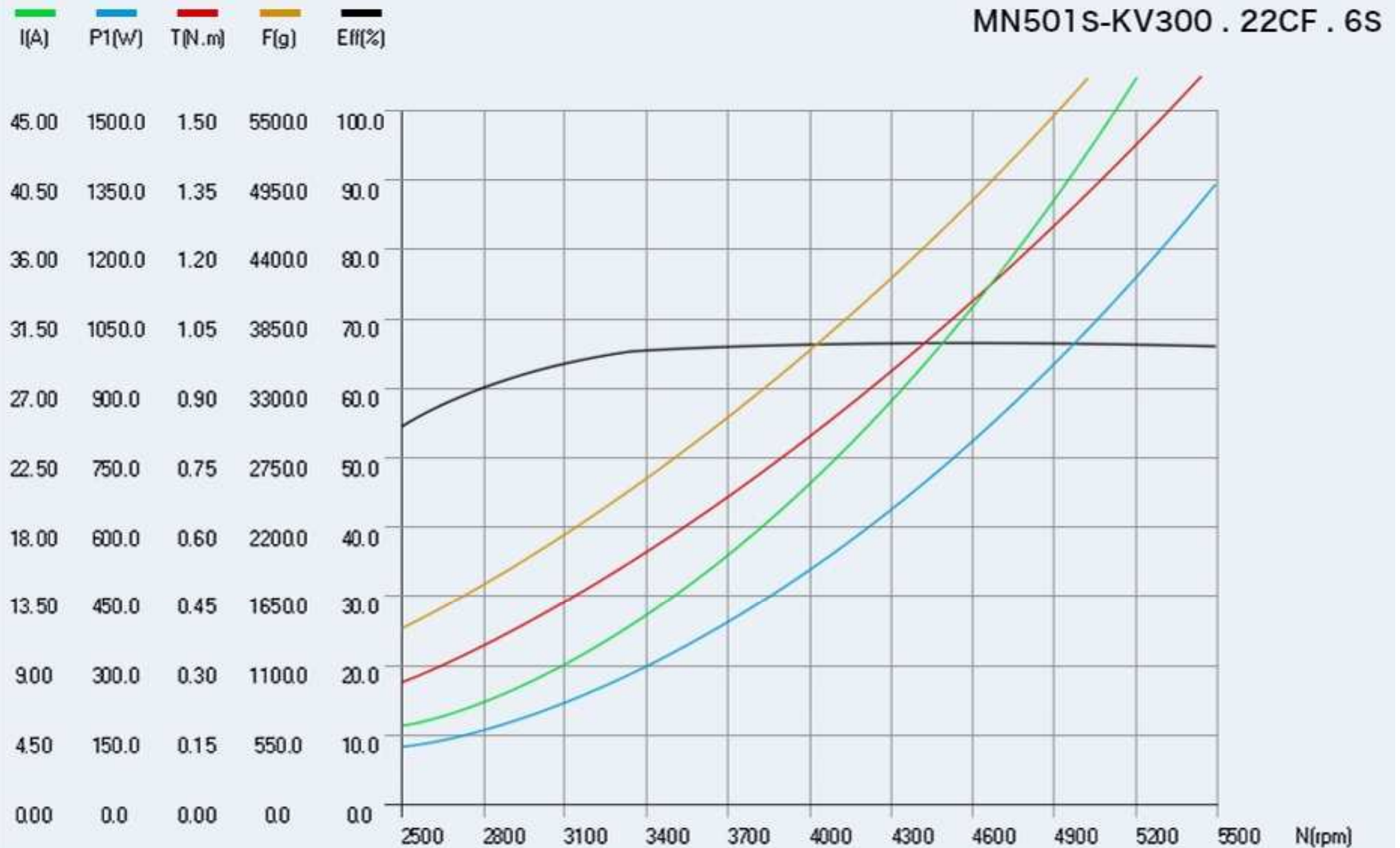
Motor size	φ 55.6*33.9mm
Stator	Imported silicon steel sheet; Anti-rust treatment; 150°C high temperature-resisting coatings
Configuration	24N28P
Shaft Diameter	IN: 6mm, OUT: 4mm
Bearing	Imported 696ZZ
Magnet Level	180°C high temperature resistance
Silicon Cable	16AWG*150MM
Copper Wire	220°C high temperature resistance: Level C
Coil Insulation Test	500V
Centrifugal Cooling Design	YES
Rotor Dynamic Balance Standard	≤5Mg
Motor Dynamic Balance Standard	≤10Mg
IP	IP45
Accessories	M3*10mm Mounting Screw*2, Cover*1, M3*8mm Motor Mounting Screw*4

KV	300	Rated Voltage (Lipo)	6-8S
Idle Current (15V)	1.1A	ESC Recommendation	AIR 40A
Peak Current (180s)	40A	Propeller Recommendation	20-22 "
Max. Power (180s)	1000W	Motor Weight (Incl. Cable)	170g
Internal Resistance	63mΩ	Package Weight	350g

Item No.	Propeller	Throttle	Voltage (V)	Current (A)	Input power (W)	RPM	Torque (N*m)	Thrust (g)	Efficiency (g/W)	Operating Temperature
MN501S KV300	T-motor P20*6CF	40%	24.28	3.08	74.73	2594	0.12	889	11.89	86.5°C (Ambient Temperature : 9.2°C)
		42%	24.32	3.45	83.95	2701	0.14	968	11.53	
		44%	24.32	3.87	94.21	2815	0.16	1058	11.23	
		46%	24.32	4.39	106.66	2949	0.18	1172	10.98	
		48%	24.31	4.89	118.85	3070	0.2	1271	10.69	
		50%	24.31	5.43	131.9	3186	0.22	1382	10.48	
		52%	24.32	6.06	147.37	3310	0.25	1489	10.11	
		54%	24.31	6.71	163.16	3438	0.27	1592	9.76	
		56%	24.31	7.35	178.6	3543	0.3	1712	9.59	
		58%	24.31	8.01	194.67	3646	0.32	1829	9.39	
		60%	24.3	8.68	211.02	3742	0.34	1944	9.21	
		62%	24.3	9.37	227.73	3736	0.37	2078	9.13	
		64%	24.3	10.22	248.24	3960	0.4	2163	8.72	
		66%	24.3	10.99	267	4058	0.42	2310	8.65	
		68%	24.29	11.73	284.97	4151	0.45	2424	8.51	
		70%	24.29	12.62	306.46	4233	0.47	2535	8.27	
		75%	24.29	14.75	358.2	4517	0.53	2852	7.96	
		80%	24.28	17.13	415.98	4725	0.6	3068	7.38	
		90%	24.26	22.59	548.08	5275	0.73	3710	6.77	
		100%	24.24	27.75	672.56	5603	0.85	4284	6.37	

Item No.	Propeller	Throttle	Voltage (V)	Current (A)	Input power (W)	RPM	Torque (N*m)	Thrust (g)	Efficiency (g/W)	Operating Temperature
MN501S KV300	T-motor P22*6.6CF	40%	24.34	4.25	103.44	2333	0.22	1204	11.64	HOT (Ambient Temperature : 9.2℃)
		42%	24.34	4.72	114.9	2422	0.24	1305	11.36	
		44%	24.33	5.28	128.55	2523	0.27	1421	11.05	
		46%	24.33	5.9	143.57	2627	0.3	1540	10.73	
		48%	24.33	6.62	161.11	2754	0.33	1666	10.34	
		50%	24.33	7.4	179.92	2859	0.36	1824	10.14	
		52%	24.33	8.23	200.26	2966	0.4	1980	9.88	
		54%	24.32	9.11	221.6	3276	0.43	2139	9.65	
		56%	24.32	9.94	241.78	3371	0.46	2266	9.37	
		58%	24.32	10.87	264.4	3463	0.5	2381	9.00	
		60%	24.31	11.83	287.61	3544	0.54	2530	8.80	
		62%	24.31	12.79	310.85	3639	0.56	2645	8.51	
		64%	24.31	13.98	339.87	3751	0.6	2803	8.25	
		66%	24.31	15.08	366.61	3835	0.64	2941	8.02	
		68%	24.3	16.11	391.57	3920	0.67	3008	7.68	
		70%	24.3	17.28	419.78	4090	0.71	3096	7.38	
		75%	24.33	20.38	495.91	4200	0.8	3507	7.07	
		80%	24.32	23.68	575.99	4478	0.89	4027	6.99	
		90%	24.29	31.11	755.56	4733	1.06	4655	6.16	
		100%	24.27	37.74	916.04	5017	1.2	5277	5.76	

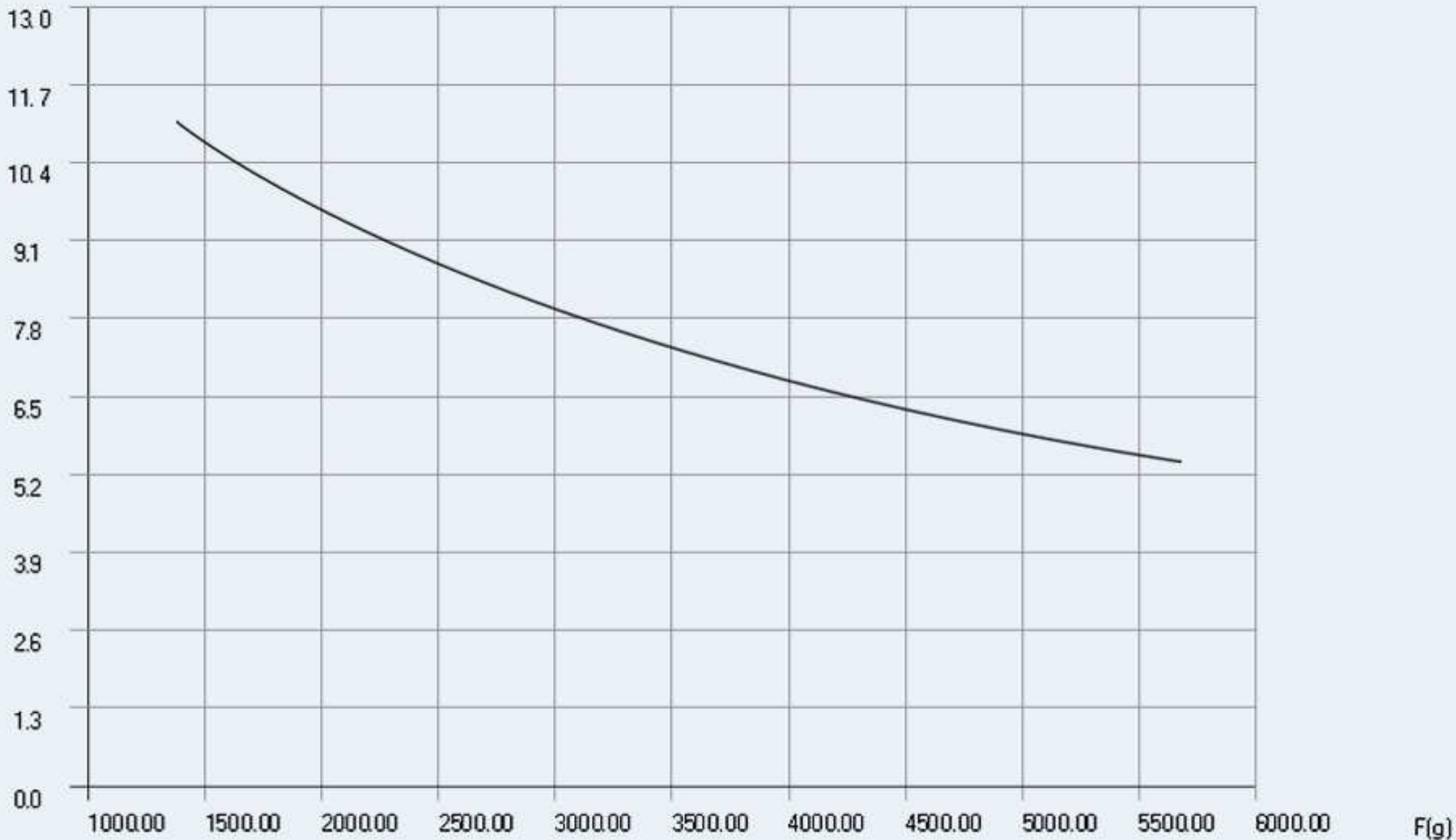
Efficiency Graph



Thrust, Efficiency, Torque, Power ,Current & Rpm Graph

Effect

MN501S-KV300 . 22CF . 6S



Efficiency Graph

Installation Method

Integrated Prop

14"-22"

M3*10mm Mounting Screw*2

φ20*2.4mm Cover*1

Copper adapter
6mm*4mm*1



Foldable Prop

14"-18"

M3*10mm Mounting Screw*2

