



Specification

Model No./ Kv	MN2806 KV400/650	Motor Size(mm)	Φ35*26
Stator Technology	Anti-rust treatment;180°C high temperature-resisting coatings	Configuration	12N14P
Shaft Diameter(mm)	IN:4 OUT:4	Bearing	Imported 694ZZ
Magnet Temperature Resistance Grade	150°C	Lead(mm)	Enameled Wire 50mm
Enamelled Wires Temperature Resistance Grade	180°C	Coil Withdraw Voltage	500V/5s
Rotor Dynamic Balance Standard	≤10mg		
KV Value	KV400	Battery (lipo)/Voltage Recommendation	4-6S ( 4.2V/S1 ) /16.8-25.2V
Idle Current ( 18V )	0.2A	ESC Recommendation	AIR40A6S
Peak Current ( A )	9.4A/Continuous 180s	Propeller Recommendation	P12X4/P13X4.4



		85%	23.11	875	0.14	5.07	5357	117.10	7.47
		90%	23.11	947	0.15	5.80	5573	134.10	7.06
		95%	23.07	1018	0.16	6.56	5777	151.45	6.72
		100%	23.05	1068	0.17	7.10	5902	163.53	6.53

Notes : Motor temperature is the motor surface temperature aftering running at 80% for 10 mins.  
(Based on LIGPOWER test bench(es), all data are for reference only. LIGPOWER reserves the right of final interpretation. )

MN2806 KV650	LIGPOWER P12*4	40%	15.47	237	0.04	1.21	3138	18.75	12.66	55°C
		45%	15.44	314	0.05	1.77	3589	27.41	11.47	
		50%	15.43	361	0.06	2.19	3851	33.73	10.71	
		55%	15.41	438	0.07	2.89	4236	44.49	9.85	
		60%	15.39	492	0.07	3.39	4469	52.23	9.43	
		65%	15.37	568	0.09	4.21	4802	64.76	8.78	
		70%	15.35	631	0.10	4.93	5054	75.60	8.34	
		75%	15.32	714	0.11	6.01	5384	92.08	7.75	
		80%	15.30	772	0.12	6.77	5584	103.58	7.45	
		85%	15.27	865	0.14	8.07	5895	123.26	7.02	
		90%	15.25	919	0.14	8.95	6083	136.53	6.73	
		95%	15.21	999	0.17	10.36	6345	157.65	6.34	
	100%	15.20	1036	0.17	11.04	6456	167.82	6.17		
	LIGPOWER P13*4.4	40%	15.51	269	0.04	1.32	2994	20.44	13.16	65°C
		45%	15.51	346	0.06	1.88	3371	29.13	11.87	
		50%	15.43	417	0.07	2.48	3694	38.30	10.89	
		55%	15.42	485	0.08	3.13	3989	48.20	10.06	
		60%	15.39	557	0.09	3.88	4278	59.69	9.34	
		65%	15.37	626	0.11	4.64	4538	71.38	8.78	
		70%	15.33	700	0.11	5.46	4777	83.73	8.36	
		75%	15.33	785	0.13	6.49	5041	99.46	7.90	
		80%	15.28	863	0.14	7.59	5284	115.98	7.44	
		85%	15.25	941	0.15	8.77	5510	133.74	7.04	
		90%	15.22	1015	0.16	10.01	5729	152.40	6.66	
95%		15.19	1090	0.18	11.29	5925	171.60	6.35		
100%	15.17	1138	0.18	12.28	6061	186.36	6.10			

Notes : Motor temperature is the motor surface temperature aftering running at 80% for 10 mins.  
(Based on LIGPOWER test bench(es), all data are for reference only. LIGPOWER reserves the right of final interpretation. )



Before using this product, please check if all the items listed above are included in the packaging. If there are any missing items, please contact our online customer service or leave message to "[onsales@ligpower.com](mailto:onsales@ligpower.com)" in time.