



Specification

Motor Size	Φ34*26mm	Magnet Level	150°C high temperature resistance
Stator	180°C high temperature-resisting coatings	Lead	Enameled Wire 50mm
Configuration	12N14P	Copper Wire	220°C high temperature resistance
Shaft Diameter	IN : 4mm , OUT : 4mm	Coil Insulation Test	500V
Bearing	Imported 694ZZ*2	Package Size	91*73*41mm
KV	650	Rated Voltage (LiPo)	4S
Idle Current(10V)	0.45A	ESC Recommendation	AIR40A 6S
Peak Current(180s)	16A	Propeller Recommendation	P12*4/P13*4.4
Max. Power(180s)	160W	Weight (Incl. Cable)	45g
Internal Resistance	201mΩ	Package Weight	105g

Test Data

Type	Propeller	Throttle	Voltage (V)	Thrust (g)	Torque (N*m)	Current (A)	RPM	Power (W)	Efficiency (g/W)	Operating Temperature (°C)
MN2806 EVO	P12	30%	16.04	161.96	0.03	0.69	2620	11.03	14.68	/
		35%	16.03	214.53	0.04	0.99	2990	15.91	13.49	
		40%	16.02	288.66	0.05	1.49	3445	23.88	12.09	
		45%	16.01	358.77	0.06	2.04	3824	32.72	10.99	
		50%	16.00	431.93	0.07	2.65	4184	42.42	10.18	
		55%	15.99	510.53	0.08	3.38	4542	54.03	9.45	
		60%	15.97	593.18	0.10	4.19	4887	66.88	8.87	
		65%	15.95	680.02	0.11	5.16	5236	82.25	8.27	
		70%	15.93	766.48	0.12	6.19	5558	98.66	7.77	
		75%	15.91	854.42	0.14	7.31	5863	116.21	7.35	
		80%	15.88	947.68	0.15	8.57	6164	136.05	6.97	
		85%	15.86	1036.95	0.17	9.90	6448	157.02	6.60	

		90%	15.83	1126.54	0.18	11.32	6716	179.17	6.29
		95%	15.80	1212.80	0.19	12.77	6958	201.86	6.01
		100%	15.78	1275.96	0.20	13.95	7131	220.12	5.80

Note: Motor temperature is motor surface temperature at 100% throttle running 3mins.
(Date above based on benchtest are for reference only, comparion with that of other motor types is not recommended.)

MN2806 EVO	P13	30%	16.04	186.98	0.03	0.78	2563	12.48	15.00	/
		35%	16.03	247.73	0.04	1.15	2911	18.50	13.40	
		40%	16.02	335.22	0.06	1.75	3343	28.05	11.96	
		45%	16.00	419.61	0.07	2.40	3711	38.41	10.93	
		50%	15.99	501.17	0.08	3.08	4046	49.26	10.18	
		55%	15.97	591.89	0.10	3.97	4393	63.44	9.33	
		60%	15.96	678.03	0.11	4.85	4699	77.42	8.76	
		65%	15.94	775.62	0.13	5.93	5016	94.49	8.21	
		70%	15.91	867.18	0.14	7.06	5307	112.34	7.72	
		75%	15.89	961.47	0.16	8.33	5582	132.37	7.26	
		80%	15.86	1058.89	0.17	9.74	5845	154.44	6.86	
		85%	15.83	1153.05	0.19	11.20	6092	177.27	6.50	
		90%	15.80	1244.47	0.20	12.73	6320	201.21	6.18	
		95%	15.77	1332.54	0.22	14.30	6530	225.59	5.91	
		100%	15.75	1389.45	0.23	15.48	6679	243.81	5.70	

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Packing List



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 "onlinesales@ligpower.com" in time.