



Specification

Motor Size	$\Phi 55.6 \times 32\text{mm}$	Copper Wire	180°C high temperature resistance: Level H
Stator	Imported silicon steel sheet; Anti-rust treatment; 180°C high temperature-resisting coatings	Coil Insulation Test	500V
Configuration	24N28P	Centrifugal Cooling Design	YES
Shaft Diameter	IN : 6mm	Rotor Dynamic Balance Standard	$\leq 15\text{mg}$
Bearing	Imported 696ZZ	Motor Dynamic Balance Standard	$\leq 10\text{mg}$
Magnet Level	150°C high temperature resistance: Level E	Packing Size	106*81*35mm
Lead Cable	80mm		
KV	170	Rated Voltage (Lipo)	6-12S
Idle Current (22V)	0.4A	ESC Recommendation	FLAME 60A 12S
Peak Current (180s)	15A	Propeller Recommendation	P17-18"
Max. Power (180s)	720W	Motor Weight (Incl. Cable)	128g
Internal Resistance	270m Ω	Package Weight	190g
KV	340		6S

		Rated Voltage (Lipo)	
Idle Current (22V)	0.9A	ESC Recommendation	AIR 40A
Peak Current (180s)	35A	Propeller Recommendation	P17-18"
Max. Power (180s)	760W	Motor Weight (Incl. Cable)	135g
Internal Resistance	55mΩ	Package Weight	200g
KV	400	Rated Voltage (Lipo)	6S
Idle Current (22V)	1.1A	ESC Recommendation	AIR 40A
Peak Current (180s)	35A	Propeller Recommendation	P15-17"
Max. Power (180s)	800W	Motor Weight (Incl. Cable)	132g
Internal Resistance	50mΩ	Package Weight	200g

Test Data

Type	Propeller	Throttle	Voltage (V)	Current (A)	Power (W)	RPM	Torque (N*m)	Thrust (g)	Efficiency (g/W)	Operating Temperature (°C)
MN5008 KV170	LIGPOWER P17*5.8" CF	40%	47.41	1.17	55	2868	0.13	682	12.34	63
		45%	47.39	1.57	74	3207	0.17	849	11.43	
		50%	47.36	2.10	100	3588	0.21	1058	10.62	
		55%	47.34	2.76	131	3952	0.26	1285	9.84	
		60%	47.31	3.46	164	4279	0.29	1515	9.25	
		65%	47.28	4.23	200	4579	0.34	1739	8.7	
		70%	47.24	5.11	242	4872	0.39	1991	8.24	
		75%	47.21	6.10	288	5172	0.44	2234	7.76	
		80%	47.17	7.20	340	5465	0.50	2509	7.38	
		90%	47.08	9.91	466	6025	0.62	3116	6.68	
		100%	47.03	11.46	539	6294	0.69	3449	6.4	
	LIGPOWER P18*6.1" CF	40%	47.39	1.51	71	2807	0.19	868	12.15	89
		45%	47.37	2.05	97	3120	0.24	1096	11.28	
		50%	47.34	2.74	130	3477	0.29	1343	10.34	
		55%	47.30	3.63	171	3819	0.36	1633	9.52	
		60%	47.27	4.57	216	4125	0.42	1926	8.93	
		65%	47.23	5.63	266	4410	0.48	2229	8.39	
		70%	47.19	6.73	317	4663	0.53	2519	7.94	
		75%	47.15	8.01	378	4945	0.60	2821	7.47	
		80%	47.10	9.48	446	5208	0.67	3156	7.07	
		90%	46.99	12.85	604	5716	0.81	3807	6.3	
		100%	46.94	14.63	687	5963	0.87	4100	5.97	
		40%	23.47	2.88	68	3057	0.16	776	11.5	

MN5008 KV400	LIGPOWER P16*5.4" CF	55%	23.31	7.54	176	4665	0.27	1492	8.5	58
		60%	23.25	9.28	216	5016	0.32	1722	7.98	
		65%	23.19	11.19	260	5341	0.36	1956	7.53	
		70%	23.13	13.16	304	5645	0.41	2185	7.18	
		75%	23.05	15.66	361	5975	0.46	2458	6.81	
		80%	22.96	18.53	425	6293	0.52	2750	6.47	
		90%	22.77	24.84	566	6896	0.63	3323	5.87	
		100%	22.67	28.16	638	7165	0.67	3591	5.63	
	LIGPOWER P17*5.8" CF	40%	23.44	3.71	87	3348	0.18	917	10.54	81
		45%	23.39	5.18	121	3777	0.23	1170	9.65	
		50%	23.33	6.99	163	4192	0.28	1447	8.88	
		55%	23.26	8.88	207	4540	0.33	1712	8.29	
		60%	23.20	10.92	253	4867	0.38	1963	7.75	
		65%	23.13	13.17	305	5175	0.44	2230	7.32	
		70%	23.05	15.72	362	5478	0.49	2491	6.88	
		75%	22.97	18.31	421	5770	0.55	2757	6.56	
		80%	22.87	21.65	495	6062	0.61	3090	6.24	
		90%	22.65	28.93	655	6610	0.73	3697	5.64	
	100%	22.53	32.83	740	6860	0.78	3982	5.38		
<p>Note: Motor temperature is motor surface temperature at 100% throttle running 10mins. (Date above based on benchtest are for reference only, comparion with that of other motor types is not recommended.)</p>										

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.