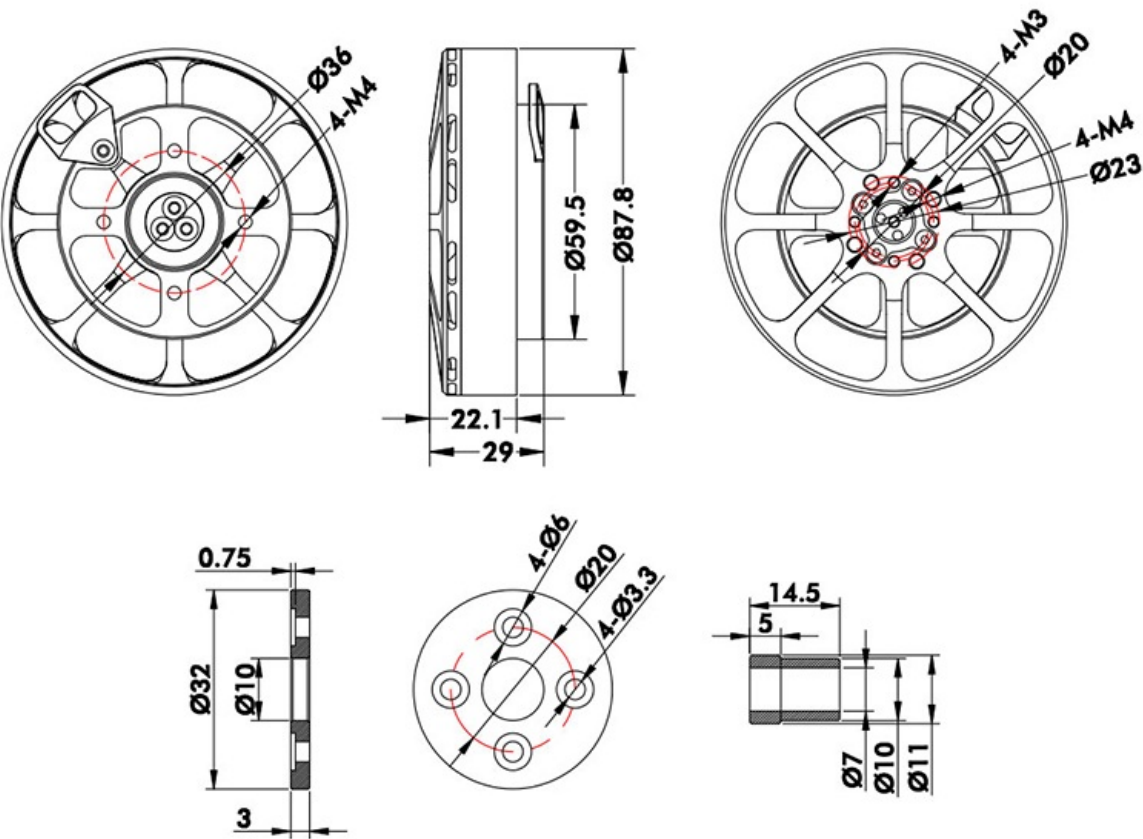




Specification

Motor Size	$\varnothing 87.8 \times 29 \text{mm}$		Magnet Level	180°Chigh temperature resistance	
Stator	Anti-rust treatment; 180°Chigh temperature-resisting coatings		Lead	16AWG*90mm	
Configuration	36N42P		Copper Wire	220°C high temperature resistance	
Shaft Diameter	IN : 12mm		Coil Insulation Test	1000V/5s	
Bearing	Imported 6901ZZ		Rotor Dynamic Balance Standard	$\leq 15 \text{Mg}$	
KV		100	Rated Voltage(Lipo)		12S
Idle Current (24V)		1.0A	Internal Resistance		85m Ω
Peak Current (180s)		40A	Weight (Incl. Cable)		351g
Max. Power (180s)		1873W	Package Weight		558g

Test Data

Type	Propeller	Throttle	Voltage (V)	Thrust (g)	Torque (N*m)	Current (A)	RPM	Power (W)	Efficiency (g/W)	Operating Temperature
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										(°C)
MN8012 KV100	LIGPOWER G28*9.2”	40%	47.76	1674	0.55	2.63	1632	125	13.34	45°C
		45%	47.74	2076	0.68	3.51	1811	167	12.41	
		50%	47.71	2565	0.83	4.54	2003	217	11.85	
		55%	47.68	3194	1.03	6.12	2218	292	10.96	
		60%	47.62	3810	1.22	7.85	2412	374	10.19	
		65%	47.59	4433	1.39	9.63	2594	458	9.68	
		70%	47.54	5132	1.61	11.85	2781	563	9.11	
		75%	47.49	5872	1.84	14.41	2968	685	8.58	
		80%	47.44	6513	2.03	16.78	3125	796	8.18	
		90%	47.33	7936	2.47	22.52	3431	1066	7.45	
		100%	47.19	9546	2.97	29.64	3751	1399	6.83	
	LIGPOWER G29*9.5”	40%	47.75	1987	0.68	3.06	1619	146	13.59	56°C
		45%	47.71	2487	0.84	4.19	1802	200	12.45	
		50%	47.69	3135	1.04	5.75	2008	274	11.43	
		55%	47.62	3788	1.26	7.46	2203	356	10.66	
		60%	47.58	4447	1.48	9.44	2384	449	9.90	
		65%	47.53	5169	1.71	11.74	2561	558	9.27	
		70%	47.47	5892	1.95	14.19	2730	674	8.75	
		75%	47.42	6679	2.20	17.04	2909	808	8.27	
		80%	47.36	7380	2.43	19.85	3052	940	7.85	
		90%	47.11	8925	2.93	26.39	3336	1243	7.18	
		100%	46.93	10582	3.47	34.05	3612	1598	6.62	
	LIGPOWER G30*10.5”	40%	47.70	2285	0.80	3.61	1581	172	13.27	74°C
		45%	47.64	2882	1.00	4.92	1774	234	12.30	
		50%	47.52	3636	1.27	6.83	1984	324	11.21	
		55%	47.43	4370	1.52	8.88	2166	421	10.38	
		60%	47.40	5109	1.77	11.14	2339	528	9.68	
		65%	47.30	5885	2.04	13.72	2501	649	9.07	
		70%	47.21	6663	2.30	16.58	2654	783	8.51	
		75%	47.20	7536	2.59	19.96	2813	942	8.00	
		80%	47.08	8344	2.87	23.26	2954	1095	7.62	
		90%	47.01	9952	3.43	30.62	3223	1439	6.92	
		100%	46.81	11826	4.06	40.02	3483	1873	6.31	

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.)

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.