



Specification

Type	AT1040	Magnet Temperature Resistance Grade	180°C	
Motor Dimension	Φ110.6*109.8mm	Lead x Length	Enameled Wire 100mm	
Stator Technology	150°C High Temperature-resisting Coatings	Temperature Resistance Of Enameled Wires	220°C	
Configuration	24N28P	Coil Pressure-resistant	1000V/5s	
Shaft Diameter	IN:15mm OUT:12mm	Dynamic Balance Requirements Standards	≤30mg	
Bearings	6902/6202ZZ Bearings	Packing Size	246*162*139mm	
KV		90	Idle Current (15V)	4.9A
Max. Continuous Power		6000W	Peak Current	105A
Rated Voltage (LiPo)		24S	Internal Resistance	8.8mΩ
Max Thrust		32kg	Weight (Incl.cable)	2200g

Test Data

Type	Propeller	Throttle (%)	Voltage (V)	Current (A)	Power (W)	RPM	Torque (N·m)	Thrust (g)	Efficiency (g/W)	Operating Temperature (°C)
		40%	88.31	24.40	2155	4052	3.74	10846	5.03	
		45%	88.23	29.58	2610	4346	4.35	12624	4.84	

AT1040 KV90	27*12	50%	88.01	44.27	3896	5016	5.92	17111	4.39	117 (Ambient Temperature: 33°C)
		55%	87.95	47.71	4196	5155	6.28	18147	4.32	
		60%	87.89	51.32	4511	5293	6.65	19175	4.25	
		65%	87.83	55.92	4911	5458	7.13	20474	4.17	
		70%	87.73	62.11	5449	5654	7.72	22122	4.06	
		75%	87.62	68.25	5980	5834	8.31	23683	3.96	
		80%	87.55	72.85	6378	5971	8.75	24875	3.90	
		90%	87.33	86.73	7573	6312	9.96	28020	3.70	
		100%	87.10	107.02	9321	6731	11.52	29953	3.21	
	28*10	40%	88.37	23.88	2110	4095	3.63	10995	5.21	116 (Ambient Temperature: 33°C)
		45%	88.27	29.34	2590	4425	4.26	12882	4.97	
		50%	88.04	42.82	3770	5058	5.67	17074	4.53	
		55%	87.98	45.97	4045	5190	5.98	18075	4.47	
		60%	87.93	49.62	4363	5332	6.33	19148	4.39	
		65%	87.86	54.28	4768	5502	6.80	20481	4.30	
		70%	87.75	60.03	5267	5695	7.35	22076	4.19	
		75%	87.65	65.90	5776	5877	7.88	23646	4.09	
		80%	87.59	69.67	6102	5992	8.24	24634	4.04	
		90%	86.79	84.47	7331	6357	9.56	28170	3.84	
		100%	86.36	104.38	9015	6765	11.14	32003	3.55	
	29*12	40%	88.59	25.59	2267	3912	4.43	11864	5.20	HOT (Ambient Temperature: 33°C)
		45%	88.48	31.73	2808	4230	5.20	13961	5.00	
		50%	88.41	39.03	3451	4535	6.10	16442	4.80	
		55%	88.19	52.35	4617	5046	7.58	20445	4.40	
		60%	88.25	57.79	5100	5204	8.15	22024	4.30	
		65%	88.09	63.49	5593	5379	8.76	23661	4.20	
		70%	88.03	70.21	6181	5544	9.47	25445	4.10	
		75%	87.90	75.74	6658	5700	10.06	26733	4.00	
		80%	87.95	81.56	7173	5814	10.60	27972	3.90	
		90%	87.63	98.46	8628	6192	12.11	31458	3.60	
		100%	87.27	120.52	10518	6591	13.94	33242	3.20	

Notes: Motor temperature is the bell temperature aftering running at 100% for 3 mins.
(Based on T-MOTOR test bench(es), all data are for reference only. T-MOTOR 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" in time.