



Specification

Type	AT1050	Magnet Temperature Resistance Grade	180°C	
Motor Dimension	$\Phi 110.6 \times 119.8 \text{mm}$	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	$\leq 30 \text{mg}$	
Bearings	6902/6202ZZ Bearings	Packing Size	246*162*139mm	
KV		90	Idle Current (15V)	5.6A
Max. Continuous Power		8000W	Peak Current	135A
Rated Voltage (LiPo)		24S	Internal Resistance	7.2m Ω
Max Thrust		36kg	Weight (Incl.cable)	2600g

Test Data

Type	Propeller	Throttle (%)	Voltage (V)	Current (A)	Power (W)	RPM	Torque (N·m)	Thrust (g)	Efficiency (g/W)	Operating Temperature (°C)
		40%	88.26	31.15	2749	4019	4.91	13740	5.00	
		45%	88.15	37.89	3340	4312	5.68	15891	4.76	

AT1050 KV90	29*12	50%	87.96	50.67	4457	4788	7.09	19742	4.43	101 (Ambient Temperature: 28°C)
		55%	87.79	61.63	5411	5114	8.22	22747	4.20	
		60%	87.64	66.08	5791	5246	8.65	23965	4.14	
		65%	87.50	72.19	6317	5406	9.26	25626	4.06	
		70%	87.37	79.59	6954	5582	10.00	27428	3.94	
		75%	87.24	88.25	7698	5771	10.78	29437	3.82	
		80%	87.12	96.53	8409	5938	11.55	31189	3.71	
		90%	86.87	112.39	9764	6238	12.93	33904	3.47	
		100%	86.48	139.77	12087	6611	15.06	36666	3.03	
	30*10	40%	88.31	30.17	2665	4033	4.69	13566	5.09	98 (Ambient Temperature: 28°C)
		45%	88.21	36.97	3261	4338	5.42	15772	4.84	
		50%	88.02	49.28	4337	4798	6.77	19681	4.54	
		55%	87.87	59.77	5251	5117	7.91	22660	4.31	
		60%	87.84	64.14	5634	5247	8.33	23911	4.24	
		65%	87.82	70.23	6167	5407	8.91	25465	4.13	
		70%	87.77	77.66	6816	5588	9.63	27398	4.02	
		75%	87.67	85.78	7521	5773	10.38	29314	3.90	
		80%	87.62	93.25	8170	5941	11.02	30935	3.79	
		90%	87.42	108.63	9496	6249	12.33	33235	3.50	
		100%	87.12	134.45	11712	6600	14.37	36129	3.08	
	30*12	40%	88.27	31.68	2797	3825	5.17	14293	5.11	HOT (Ambient Temperature: 28°C)
		45%	88.15	38.79	3419	4110	6.03	16566	4.85	
		50%	88.04	46.74	4115	4397	6.96	19107	4.64	
		55%	87.71	67.80	5947	4977	9.21	24808	4.17	
		60%	87.62	73.17	6411	5112	9.74	26176	4.08	
		65%	87.50	80.24	7022	5271	10.45	27885	3.97	
		70%	87.37	88.34	7718	5444	11.20	29726	3.85	
		75%	87.23	97.44	8499	5620	12.01	31725	3.73	
		80%	87.08	107.11	9327	5792	12.85	33742	3.62	
		90%	86.84	124.58	10819	6076	14.37	35865	3.31	
		100%	86.40	152.27	13156	6414	16.59	38696	2.94	

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.