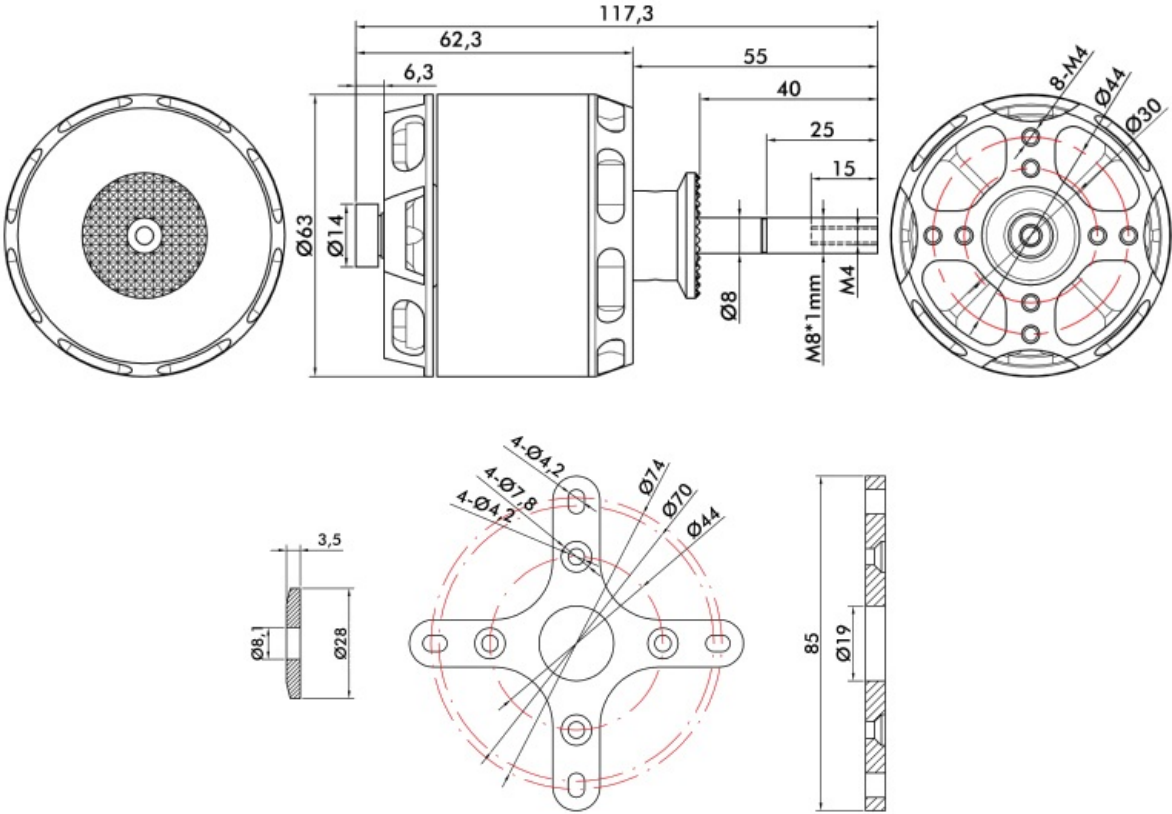




Specification

Model No./ Kv	AT5330 KV220		Magnet Temperature Resistance Grade	150°C
Motor Size (mm)	Φ63*117.3		Lead (mm)	Enameled Wire 100
Stator Technology	Anti-rust treatment; 180°C high temperature-resisting coatings		Enamelled Wires Temperature Resistance Grade	Class C 220°C
Configuration	12N14P		Coil Withdraw Voltage	1000V/5s
Shaft Diameter (mm)	IN:10 OUT:8		Rotor Dynamic Balance Standard	≤5mg
Bearing	Imported 6800/6900ZZ		IP	IP35
KV Value		KV220	Battery (lipo)/Voltage Recommendation	12S (4.2V/Sl) /42-52V
Idle Current (18V)		3.0A	ESC Recommendation	AT115A (6-12S)
Peak Current (A)		75A/Continuous180s	Propeller Recommendation	18-20 inch
Max. Power (W)		3600W/Continuous 180s	Motor Weight (g)	Weight (incl. cables) 685g
In ternal Resistance (mΩ)		24	Package Weight (g)	900g
SternthrusT-MOTOR		AT5330 KV220	VTOL Motor	V605 KV210
Sternthrustpropeller recommendation		18-20寸	VTOL Prop	V22*7.4

SternthrustESC recommendation	AT115A (6-12S)	VTOL ESC	FLAME 80A HV
Sternthrustbattery(Lipo)/voltage recommendation	12S (4.2V/Sl) /42-52V	VTOL Battery (Lipo)/ Voltage	12S (4.2V/Sl) /42-52V
Sternthrustpullrecommendation(kg)	4-6	VTOL Thrust per Motor	4.5-6
MTOW (Quad) (kg)	18-24		

Test Data

Item No.	Prop	Throttle	Voltage (V)	Thrust (g)	Torque (N*m)	Current (A)	RPM	Inputpower (W)	Efficiency (g/W)	Operating Temperature (°C)
AT5330 KV220	18*10	40%	44.20	1665	0.41	5.44	3555	240.50	6.92	77°C
		45%	44.17	2066	0.51	7.04	3949	310.84	6.65	
		50%	44.11	2568	0.62	9.44	4390	416.30	6.17	
		55%	44.03	3202	0.78	13.06	4885	574.96	5.57	
		60%	43.98	3754	0.93	16.21	5277	712.74	5.27	
		65%	43.92	4285	1.07	19.45	5642	854.21	5.02	
		70%	43.82	4763	1.29	24.48	6040	1072.85	4.44	
		75%	43.73	5409	1.49	29.84	6448	1304.90	4.15	
		80%	43.62	6067	1.68	35.33	6803	1540.79	3.94	
		90%	43.40	7404	2.08	47.89	7488	2078.38	3.56	
		100%	43.07	8276	2.61	65.34	8075	2814.25	2.94	
	19*10	40%	44.18	1936	0.48	6.20	3509	273.70	7.08	91°C
		45%	44.13	2403	0.59	8.01	3899	353.38	6.80	
		50%	44.04	2967	0.73	10.86	4324	478.30	6.20	
		55%	43.74	3702	0.92	15.10	4807	660.32	5.61	
		60%	43.65	4324	1.07	18.49	5185	806.94	5.36	
		65%	43.61	4958	1.22	21.93	5538	956.50	5.18	
		70%	43.52	5729	1.41	27.05	5934	1177.09	4.87	
		75%	43.43	6581	1.63	32.99	6340	1433.07	4.59	
		80%	43.31	7329	1.82	38.51	6664	1668.08	4.39	
		90%	43.06	8964	2.25	52.12	7313	2244.06	3.99	
		100%	42.76	10518	2.73	68.92	7898	2947.27	3.57	
	20*10	40%	44.06	2201	0.54	6.71	3471	295.50	7.45	102°C
		45%	43.94	2733	0.67	8.96	3852	393.75	6.94	
		50%	43.86	3371	0.83	11.91	4267	522.49	6.45	
		55%	43.66	4156	1.02	16.38	4728	715.04	5.81	
		60%	43.55	4883	1.20	20.41	5115	888.92	5.49	
		65%	43.51	5591	1.37	24.49	5465	1065.78	5.25	

		70%	43.44	6444	1.59	29.82	5842	1295.52	4.97	
		75%	43.28	7399	1.82	36.33	6223	1572.19	4.71	
		80%	43.17	8248	2.04	42.50	6544	1834.72	4.50	
		90%	43.00	10062	2.51	57.58	7189	2475.76	4.06	
		100%	42.68	11913	3.00	75.34	7756	3215.34	3.70	
Notes : Motor temperature is the motor surface 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.)										

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 " onsales@ligpower.com " in time.