

Test Item	Long Shaft KV200	Weight (Incl. Cable)	550g
Motor Dimensions	Φ81.4*57.9mm	Internal Resistance	27mΩ
Lead	Enameled Wire 100mm	Configuration	24N22P
Shaft Diameter	IN : 10mm OUT : 10mm	Rated Voltage(Lipo)	10-12S
Idle Current(10V)	2.4A	Peak Current(180s)	95A
Max Power (180S)	4400W/12S		
Test Item	Long Shaft KV220	Weight (Incl. Cable)	565g
Motor Dimensions	Φ81.4*57.9mm	Internal Resistance	24mΩ
Lead	Enameled Wire 100mm	Configuration	24N22P
Shaft Diameter	IN : 10mm OUT : 10mm	Rated Voltage(Lipo)	10-12S
Idle Current(10V)	2.4A	Peak Current(180s)	100A
Max Power (180S)	4500W/12S		
Test Item	Long Shaft KV245	Weight (Incl. Cable)	555g
Motor Dimensions	Φ81.4*57.9mm	Internal Resistance	20mΩ
Lead	Enameled Wire 100mm	Configuration	24N22P
Shaft Diameter	IN : 10mm OUT : 10mm	Rated Voltage(Lipo)	8-10S
Idle Current(10V)	2.4A	Peak Current(180s)	110A
Max Power (180S)	5000W/12S		
Test Item	Long Shaft KV270	Weight (Incl. Cable)	560g
Motor Dimensions	Φ81.4*57.9mm	Internal Resistance	17mΩ
Lead	Enameled Wire 100mm	Configuration	24N22P
Shaft Diameter	IN : 10mm OUT : 10mm	Rated Voltage(Lipo)	8S
Idle Current(10V)	2.4A	Peak Current(180s)	120A
Max Power (180S)	4800W/10S		

Type	Propeller	Throttle	Voltage (V)	Current (A)	Power (W)	RPM	Torque (N*m)	Thrust (g)	Efficiency (g/W)	Operating Temperature (°C)
		40%	44.25	5.64	249.81	3494	0.532	1833	7.34	

	19*10	45%	44.22	7.41	327.75	3890	0.650	2312	7.05	/
		50%	44.15	10.26	453.08	4356	0.795	2878	6.35	
		55%	44.08	13.28	585.57	4813	0.946	3477	5.94	
		60%	44.02	16.59	730.16	5206	1.110	4086	5.60	
		65%	43.91	21.80	957.40	5698	1.337	4903	5.12	
		70%	43.79	27.16	1189.47	6128	1.562	5710	4.80	
		75%	43.66	33.60	1466.85	6547	1.821	6582	4.49	
		80%	43.53	39.60	1723.40	6882	2.050	7366	4.27	
		90%	43.23	53.83	2327.01	7599	2.537	8911	3.83	
		100%	42.84	71.55	3065.09	8208	3.126	10555	3.44	
	19*10	40%	47.85	6.24	298.61	3754	0.628	2144	7.18	97 (Ambient Temperature: /)
		45%	47.81	8.24	394.17	4168	0.745	2664	6.76	
		50%	47.74	11.29	538.84	4655	0.896	3309	6.14	
		55%	47.65	15.05	717.02	5130	1.070	4028	5.62	
		60%	47.54	20.64	981.02	5702	1.326	4961	5.06	
		65%	47.44	24.88	1180.30	6099	1.540	5646	4.78	
		70%	47.31	31.04	1468.57	6539	1.845	6599	4.49	
		75%	47.16	38.37	1809.84	6967	2.164	7656	4.23	
		80%	47.01	45.66	2146.37	7338	2.450	8595	4.00	
		90%	46.64	63.09	2942.14	8077	3.018	10449	3.55	
		100%	46.17	84.64	3907.52	8681	3.758	11572	2.96	
	20*10	40%	36.92	4.81	177.64	2959	0.453	1561	8.79	/
		45%	36.89	6.29	231.88	3295	0.549	1932	8.33	
		50%	36.83	8.69	319.91	3712	0.676	2434	7.61	
		55%	36.78	11.26	414.10	4096	0.794	2926	7.07	
		60%	36.72	14.08	517.13	4437	0.917	3411	6.60	
		65%	36.65	16.99	622.72	4739	1.046	3919	6.29	
		70%	36.57	21.17	773.99	5108	1.221	4533	5.86	
		75%	36.44	27.50	1002.10	5548	1.465	5452	5.44	
		80%	36.32	32.85	1192.97	5848	1.677	6155	5.16	
		90%	36.06	44.99	1622.41	6452	2.089	7553	4.66	
		100%	35.78	58.37	2088.34	6984	2.483	8906	4.26	
		40%	41.86	5.71	239.01	3308	0.544	1730	8.03	
		45%	41.81	7.58	316.78	3679	0.654	2387	7.54	
		50%	41.75	10.44	435.94	4124	0.807	3008	6.90	
		55%	41.69	13.63	568.04	4544	0.967	3649	6.43	

		80%	42.90	50.75	2177.07	7107	2.279	9042	4.15	
		90%	42.52	69.80	2967.96	7789	2.814	11019	3.71	
		100%	42.10	91.96	3871.53	8365	3.363	12900	3.33	
20*10		40%	47.54	7.87	373.90	3926	0.659	2626	7.02	/
		45%	47.48	10.47	496.90	4344	0.809	3261	6.56	
		50%	47.40	14.16	671.27	4820	1.008	4054	6.04	
		55%	47.19	20.06	946.89	5358	1.249	5025	5.31	
		60%	46.98	26.61	1250.14	5900	1.536	6179	4.94	
		65%	46.82	32.71	1531.71	6320	1.775	7102	4.64	
		70%	46.72	39.99	1868.31	6759	2.049	8184	4.38	
		75%	46.56	49.17	2289.33	7188	2.351	9348	4.08	
		80%	46.36	59.21	2745.12	7570	2.655	10505	3.83	
		90%	45.96	80.46	3697.56	8264	3.239	12511	3.38	
		100%	45.48	106.60	4848.68	8859	3.872	14307	2.95	
21*10		40%	36.58	6.27	229.40	3085	0.500	1925	8.39	84 (Ambient Temperature: /)
		45%	36.52	8.34	304.46	3427	0.624	2416	7.94	
		50%	36.43	11.87	432.36	3839	0.793	3076	7.11	
		55%	36.35	15.49	563.21	4224	0.966	3743	6.65	
		60%	36.26	19.70	714.16	4576	1.140	4422	6.19	
		65%	36.15	23.55	851.35	4881	1.294	5030	5.91	
		70%	35.94	29.26	1051.67	5228	1.505	5849	5.56	
		75%	35.76	38.20	1365.89	5665	1.781	6923	5.07	
		80%	35.62	45.04	1604.00	5958	1.995	7740	4.83	
		90%	35.32	61.32	2165.99	6541	2.442	9407	4.34	
		100%	34.98	78.82	2756.77	7040	2.857	10944	3.97	
21*10		40%	41.53	7.47	310.30	3442	0.622	2419	7.80	/
		45%	41.46	9.94	412.31	3822	0.778	3025	7.34	
		50%	41.30	13.73	567.18	4247	0.970	3763	6.63	
		55%	41.13	18.57	763.90	4678	1.192	4635	6.07	
		60%	41.01	23.67	970.90	5063	1.409	5465	5.63	
		65%	40.85	31.16	1272.87	5534	1.688	6568	5.16	
		70%	40.76	38.06	1551.35	5916	1.941	7540	4.86	
		75%	40.55	46.97	1904.43	6293	2.223	8605	4.52	
		80%	40.40	55.28	2233.35	6608	2.479	9542	4.27	
		90%	40.03	75.93	3039.83	7216	3.042	11585	3.81	
		100%	39.59	99.67	3945.57	7726	3.615	13551	3.43	

Note: Motor temperature is motor surface temperature at 100% throttle running 3mins. (Date above based on benchtest are for reference only, comparion with that of other motor types is not recommended.)										
	18*10	40%	36.88	6.74	248.78	3681	0.508	1721	6.92	/
		45%	36.83	9.24	340.17	4147	0.705	2207	6.49	
		50%	36.75	12.77	469.25	4629	0.862	2763	5.89	
		55%	36.68	15.99	586.52	5048	1.009	3291	5.61	
		60%	36.56	21.67	792.09	5568	1.215	4015	5.07	
		65%	36.45	26.84	978.43	6014	1.391	4703	4.81	
		70%	36.33	32.57	1183.31	6451	1.550	5324	4.50	
		75%	36.18	39.66	1434.73	6807	1.779	5832	4.07	
		80%	36.04	46.63	1680.64	7180	1.989	6425	3.82	
		90%	35.66	64.50	2299.79	7864	2.449	7610	3.31	
		100%	35.57	67.85	2413.58	7977	2.524	7821	3.24	
	18*10	40%	41.84	7.90	330.42	4114	0.567	2137	6.47	74 (Ambient Temperature: /)
		45%	41.77	10.92	456.05	4638	0.730	2721	5.97	
		50%	41.67	15.09	629.07	5175	0.918	3402	5.41	
		55%	41.54	20.97	871.01	5769	1.174	4282	4.92	
		60%	41.45	25.77	1068.30	6209	1.314	4969	4.65	
		65%	41.31	32.54	1344.19	6707	1.569	5797	4.31	
		70%	41.12	41.06	1688.62	7150	1.859	6344	3.76	
		75%	40.94	49.54	2028.15	7554	2.124	7040	3.47	
		80%	40.76	58.37	2379.15	7949	2.379	7765	3.26	
		90%	40.24	82.34	3313.24	8659	3.062	8817	2.66	
		100%	40.14	86.09	3455.73	8775	3.161	9037	2.62	
	18*10	40%	43.99	7.00	307.94	3993	0.504	2015	6.54	/
		45%	43.93	9.34	410.23	4450	0.626	2520	6.14	
		50%	43.88	12.31	540.14	4934	0.769	3104	5.75	
		55%	43.74	17.92	784.05	5570	0.990	3984	5.08	
		60%	43.65	23.09	1007.86	6033	1.215	4558	4.52	
		65%	43.55	28.07	1222.32	6440	1.411	5090	4.16	
		70%	43.42	34.50	1497.91	6882	1.628	5830	3.89	
		75%	43.26	42.65	1844.98	7350	1.880	6674	3.62	
		80%	43.12	50.14	2161.86	7756	2.103	7392	3.42	
		90%	42.70	70.56	3013.03	8461	2.660	8268	2.74	
		100%	42.28	91.76	3879.71	9113	3.149	9570	2.47	

AT7215 KV245	19*10	50%	36.84	14.26	525.52	4600	0.795	3157	6.01	/
		55%	36.77	17.98	661.26	5010	0.956	3759	5.68	
		60%	36.64	24.24	888.21	5528	1.186	4599	5.18	
		65%	36.49	30.52	1113.70	5964	1.392	5368	4.82	
		70%	36.35	37.40	1359.62	6386	1.629	6188	4.55	
		75%	36.20	44.44	1608.74	6748	1.850	6950	4.32	
		80%	36.04	52.24	1882.53	7102	2.079	7726	4.10	
		90%	35.63	71.46	2545.65	7768	2.579	9385	3.69	
		100%	35.55	74.97	2664.69	7871	2.666	9647	3.62	
	19*10	40%	41.89	8.79	368.04	4076	0.660	2455	6.67	83 (Ambient Temperature: /)
		45%	41.83	12.07	505.00	4585	0.824	3130	6.20	
		50%	41.70	17.43	726.73	5112	1.015	3907	5.38	
		55%	41.57	23.82	990.34	5706	1.285	4923	4.97	
		60%	41.45	29.40	1218.66	6148	1.517	5716	4.69	
		65%	41.30	36.78	1519.01	6626	1.802	6667	4.39	
		70%	41.11	45.43	1867.76	7072	2.075	7603	4.07	
		75%	40.93	54.28	2221.67	7471	2.344	8527	3.84	
		80%	40.71	64.61	2630.00	7843	2.657	9541	3.63	
		90%	40.16	90.00	3614.52	8525	3.421	10850	3.00	
		100%	40.03	95.30	3814.64	8608	3.570	11060	2.90	
	20*10	40%	29.90	6.16	184.06	2998	0.407	1537	8.35	/
		45%	29.86	8.62	257.51	3407	0.523	1987	7.72	
		50%	29.77	11.98	356.53	3802	0.651	2497	7.01	
		55%	29.72	14.81	440.11	4142	0.778	2970	6.75	
		60%	29.65	18.10	536.68	4464	0.902	3450	6.43	
		65%	29.55	22.83	674.59	4830	1.076	4054	6.01	
		70%	29.43	28.57	840.65	5205	1.256	4746	5.65	
		75%	29.29	35.23	1031.77	5565	1.434	5431	5.26	
		80%	29.16	41.33	1205.08	5870	1.610	6037	5.01	
		90%	28.85	55.92	1613.41	6440	2.021	7360	4.56	
		100%	28.79	58.61	1687.36	6526	2.094	7601	4.50	
		40%	33.18	7.02	232.98	3286	0.460	1850	7.94	
		45%	33.12	9.88	327.13	3719	0.600	2392	7.31	
		50%	33.04	13.41	443.15	4152	0.770	2993	6.76	
		55%	32.95	17.21	566.99	4535	0.920	3579	6.31	

	20*10	60%	32.87	21.01	690.54	4867	1.067	4140	6.00	63 (Ambient Temperature: /)
		65%	32.74	27.05	885.64	5278	1.265	4889	5.52	
		70%	32.57	35.23	1147.73	5743	1.530	5817	5.07	
		75%	32.43	41.83	1356.65	6073	1.737	6525	4.81	
		80%	32.27	49.37	1593.39	6395	1.952	7267	4.56	
		90%	31.91	66.33	2116.60	6996	2.384	8804	4.16	
		100%	31.83	69.76	2220.66	7086	2.474	9116	4.11	
	20*10	40%	36.68	6.54	239.88	3340	0.470	1899	7.92	/
		45%	36.63	8.63	316.20	3718	0.580	2359	7.46	
		50%	36.56	11.65	426.05	4141	0.723	2939	6.90	
		55%	36.48	15.52	565.99	4576	0.888	3599	6.36	
		60%	36.41	19.16	697.70	4933	1.040	4195	6.01	
		65%	36.32	23.31	846.73	5270	1.191	4813	5.69	
		70%	36.14	31.45	1136.53	5772	1.445	5813	5.11	
		75%	35.93	38.30	1375.97	6131	1.651	6658	4.84	
		80%	35.76	44.97	1608.22	6458	1.848	7416	4.61	
		90%	35.43	60.66	2149.47	7078	2.243	8984	4.18	
		100%	35.11	78.26	2748.16	7626	2.662	10560	3.84	
	20*10	40%	41.61	7.78	323.73	3708	0.586	2366	7.31	94 (Ambient Temperature: /)
		45%	41.54	10.33	429.13	4123	0.732	2940	6.85	
		50%	41.47	13.98	579.51	4581	0.900	3625	6.26	
		55%	41.35	19.09	789.10	5059	1.096	4423	5.61	
		60%	41.22	25.67	1058.16	5600	1.360	5468	5.17	
		65%	41.11	31.22	1283.48	5979	1.565	6296	4.91	
		70%	40.91	38.23	1564.16	6388	1.804	7247	4.63	
		75%	40.70	46.80	1904.86	6796	2.068	8236	4.32	
		80%	40.51	54.90	2224.03	7132	2.295	9170	4.12	
		90%	40.13	74.50	2990.04	7809	2.803	11017	3.68	
		100%	39.71	96.51	3831.99	8387	3.299	12745	3.33	
	21*10	40%	29.94	7.03	210.53	2959	0.506	1864	8.86	/
45%		29.87	10.07	300.93	3362	0.674	2412	8.02		
50%		29.79	13.81	411.35	3747	0.854	3004	7.31		
55%		29.71	17.70	525.93	4084	1.019	3603	6.85		
60%		29.63	21.58	639.36	4398	1.185	4170	6.52		
65%		29.51	27.36	807.45	4747	1.367	4883	6.05		

AT7215 KV270		80%	29.23	41.46	1211.91	5820	1.636	6072	5.01	
		90%	28.93	55.63	1609.59	6396	2.016	7363	4.57	
		100%	28.61	71.05	2032.55	6895	2.357	8596	4.23	
	20*10	40%	32.94	7.07	232.92	3248	0.516	1844	7.92	69 (Ambient Temperature: /)
		45%	32.89	9.32	306.70	3606	0.634	2323	7.57	
		50%	32.81	12.72	417.47	4034	0.789	2892	6.93	
		55%	32.73	16.90	552.97	4446	0.964	3528	6.38	
		60%	32.64	20.87	681.29	4801	1.124	4103	6.02	
		65%	32.54	25.43	827.45	5128	1.277	4692	5.67	
		70%	32.36	33.85	1095.59	5614	1.545	5643	5.15	
		75%	32.22	40.93	1318.92	5973	1.771	6410	4.86	
		80%	32.07	47.90	1536.21	6298	1.987	7123	4.64	
		90%	31.72	64.49	2045.83	6898	2.409	8607	4.21	
		100%	31.33	83.09	2602.92	7414	2.869	10127	3.89	
	20*10	40%	36.60	7.91	289.51	3549	0.540	2170	7.49	/
		45%	36.55	10.32	377.29	3944	0.665	2691	7.13	
		50%	36.47	13.96	509.27	4392	0.828	3342	6.56	
		55%	36.36	19.03	691.89	4848	1.014	4077	5.89	
		60%	36.27	23.56	854.41	5228	1.181	4756	5.57	
		65%	36.12	31.31	1131.13	5724	1.423	5736	5.07	
		70%	35.98	38.64	1390.30	6121	1.651	6627	4.77	
		75%	35.82	46.65	1671.18	6499	1.870	7502	4.49	
		80%	35.68	54.59	1947.46	6836	2.077	8290	4.26	
		90%	35.28	73.61	2597.12	7461	2.540	10056	3.87	
		100%	34.81	93.89	3268.51	8007	2.945	11553	3.53	
	20*10	40%	41.57	9.36	388.95	3963	0.668	2704	6.95	106 (Ambient Temperature: /)
		45%	41.51	12.32	511.23	4394	0.822	3333	6.52	
		50%	41.41	16.87	698.68	4877	1.025	4126	5.91	
		55%	41.22	25.28	1041.92	5495	1.324	5334	5.12	
		60%	41.11	31.76	1305.57	5956	1.578	6329	4.85	
		65%	40.97	38.69	1584.90	6366	1.801	7262	4.58	
		70%	40.78	47.43	1934.11	6779	2.062	8248	4.26	
		75%	40.62	57.09	2318.59	7188	2.337	9303	4.01	
		80%	40.39	67.27	2716.96	7552	2.607	10329	3.80	
		90%	39.87	90.82	3621.32	8205	3.138	12202	3.37	
		100%	39.30	117.24	4607.41	8749	3.680	13795	2.99	

	21*10	40%	29.96	7.05	211.16	2940	0.514	1847	8.75	/
		45%	29.91	9.31	278.39	3268	0.640	2293	8.24	
		50%	29.84	12.72	379.42	3659	0.834	2894	7.63	
		55%	29.74	17.29	514.30	4028	1.004	3567	6.94	
		60%	29.64	21.72	643.59	4353	1.196	4191	6.51	
		65%	29.57	25.78	762.18	4654	1.343	4783	6.28	
		70%	29.43	32.17	946.56	4983	1.539	5462	5.77	
		75%	29.27	39.95	1169.08	5341	1.776	6291	5.38	
		80%	29.09	48.66	1415.29	5676	2.028	7135	5.04	
		90%	28.72	65.82	1890.49	6204	2.510	8621	4.56	
		100%	28.34	83.88	2376.88	6666	2.937	9978	4.20	
	21*10	40%	32.85	8.14	267.46	3188	0.579	2174	8.13	73 (Ambient Temperature: /)
		45%	32.80	10.72	351.52	3544	0.720	2705	7.70	
		50%	32.71	14.62	478.24	3951	0.900	3393	7.10	
		55%	32.60	20.05	653.47	4354	1.136	4163	6.37	
		60%	32.49	24.87	808.15	4711	1.308	4810	5.95	
		65%	32.39	30.11	975.42	5022	1.517	5509	5.65	
		70%	32.19	39.62	1275.07	5464	1.868	6601	5.18	
		75%	32.01	48.45	1550.77	5819	2.139	7474	4.82	
		80%	31.83	56.47	1797.79	6119	2.375	8272	4.60	
		90%	31.42	75.90	2384.96	6672	2.871	9918	4.16	
		100%	30.97	96.81	2998.16	7156	3.336	11428	3.81	
Note: Motor temperature is motor surface temperature at 100% throttle running 3mins. (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.