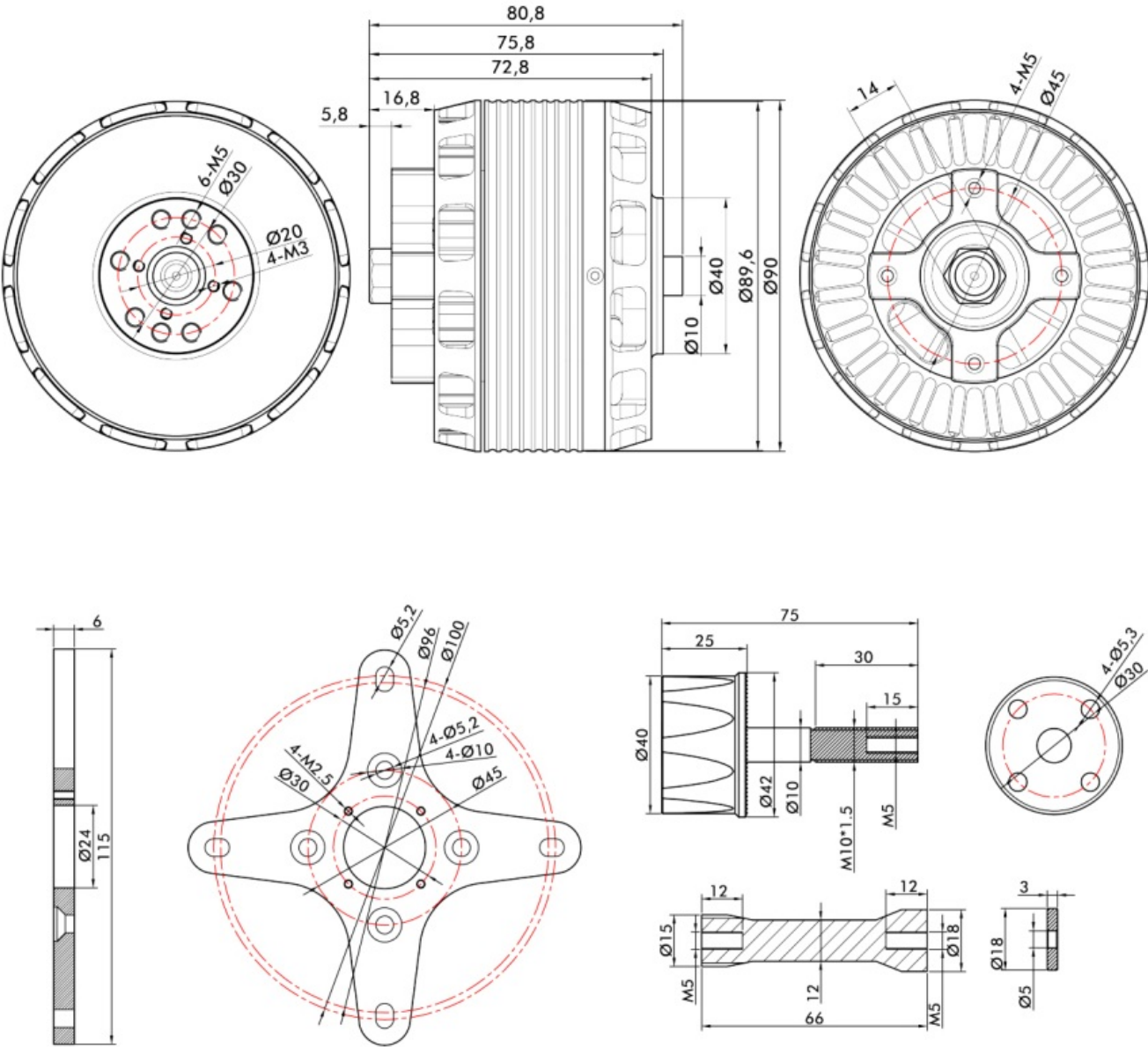




Specification

Test Item	KV160	Weight (Incl. Cable)	985g
Motor Dimensions	Φ90*75.8mm	Internal Resistance	14mΩ
Lead	Wound Wire Outlet 100mm	Configuration	24N28P
Shaft Diameter	IN : 12mm OUT : 10mm	Rated Voltage(LiPo)	10-14S
Idle Current(10V)	4.0A	Peak Current(180s)	115A
Max Power (180S)	5000W/12S , 5800W/14S		
Test Item	KV190	Weight (Incl. Cable)	990g
Motor Dimensions	Φ90*75.8mm	Internal Resistance	10mΩ
Lead	Wound Wire Outlet 100mm	Configuration	24N28P
Shaft Diameter	IN : 12mm OUT : 10mm	Rated Voltage(LiPo)	10-12S

Idle Current(10V)	5.0A	Peak Current(180s)	135A
Max Power (180S)	6000W/12S		

Test Data

Type	Propeller	Throttle	Voltage (V)	Current (A)	Power (W)	RPM	Torque (N*m)	Thrust (g)	Efficiency (g/W)	Operating Temperature (°C)
	24*10	40%	44.57	8.95	398.80	2806	0.922	3061	7.67	67°C
		45%	44.55	10.95	487.92	3031	1.076	3595	7.37	
		50%	44.53	13.66	608.40	3302	1.275	4278	7.03	
		55%	44.51	16.94	754.13	3593	1.505	5065	6.72	
		60%	44.48	20.77	923.56	3864	1.743	5894	6.38	
		65%	44.44	25.37	1127.30	4164	2.027	6858	6.08	
		70%	44.40	30.83	1368.76	4472	2.346	7941	5.80	
		75%	44.36	36.84	1634.23	4765	2.675	9062	5.55	
		80%	44.30	43.90	1944.71	5054	3.031	10264	5.28	
		85%	44.24	51.68	2286.19	5333	3.404	11501	5.03	
		90%	44.17	60.45	2669.77	5607	3.794	12799	4.79	
		100%	44.02	78.92	3474.27	6120	4.600	15420	4.44	
	25*10	40%	44.62	9.58	427.54	2708	1.014	3245	7.59	75°C
		45%	44.60	12.08	538.82	2973	1.217	3921	7.28	
		50%	44.57	15.32	682.65	3264	1.466	4757	6.97	
		55%	44.54	19.23	856.49	3552	1.733	5639	6.58	
		60%	44.51	23.25	1034.62	3831	2.016	6575	6.36	
		65%	44.46	28.83	1281.62	4123	2.340	7669	5.98	
		70%	44.41	35.11	1559.11	4423	2.704	8854	5.68	
		75%	44.35	42.18	1871.01	4717	3.087	10136	5.42	
		80%	44.29	50.02	2215.59	4999	3.490	11471	5.18	
		85%	44.22	58.87	2603.34	5274	3.909	12826	4.93	
		90%	44.14	68.33	3016.11	5539	4.339	14182	4.70	
		100%	43.97	89.78	3947.90	6036	5.258	17136	4.34	
	26*12	40%	44.58	11.42	509.21	2596	1.332	3959	7.78	88°C
		45%	44.55	15.05	670.43	2891	1.659	4910	7.32	
		50%	44.51	19.62	873.19	3183	1.994	5976	6.84	
		55%	44.47	24.78	1101.82	3471	2.365	7104	6.45	
		60%	44.43	30.42	1351.57	3739	2.737	8247	6.10	
		65%	44.37	37.33	1656.54	4023	3.174	9584	5.79	

AT8025 KV160		70%	44.31	45.33	2008.69	4310	3.633	10941	5.45	
		75%	44.23	54.65	2417.28	4590	4.117	12432	5.14	
		80%	44.16	64.25	2837.31	4855	4.624	13890	4.90	
		85%	44.07	75.46	3325.48	5112	5.150	15433	4.64	
		90%	43.98	87.28	3838.19	5362	5.694	17014	4.43	
		100%	43.74	115.07	5033.52	5825	6.863	20360	4.04	
	23*10	40%	52.18	10.58	552.29	3302	1.087	3642	6.59	76℃
		45%	52.16	12.82	668.83	3554	1.262	4239	6.34	
		50%	52.13	15.92	830.11	3861	1.486	5026	6.05	
		55%	52.10	19.76	1029.43	4193	1.750	5946	5.78	
		60%	52.06	24.26	1263.22	4521	2.048	6994	5.54	
		65%	52.02	29.72	1545.98	4871	2.388	8154	5.27	
		70%	51.96	36.31	1886.85	5222	2.768	9441	5.00	
		75%	51.90	43.78	2271.97	5564	3.167	10805	4.76	
		80%	51.84	51.75	2682.65	5894	3.578	12197	4.55	
		85%	51.76	60.74	3143.74	6209	4.004	13585	4.32	
		90%	51.68	70.55	3646.31	6514	4.450	15000	4.11	
		100%	51.51	91.30	4702.73	7072	5.335	17768	3.78	
	24*10	40%	52.16	11.04	575.99	3179	1.195	3858	6.70	89℃
		45%	52.14	13.89	724.26	3478	1.427	4681	6.46	
		50%	52.11	17.54	913.70	3803	1.702	5634	6.17	
		55%	52.07	21.91	1140.84	4131	2.002	6685	5.86	
		60%	52.02	27.27	1418.53	4471	2.347	7877	5.55	
		65%	51.97	33.78	1755.27	4818	2.747	9209	5.25	
		70%	51.90	40.87	2121.25	5157	3.159	10636	5.01	
		75%	51.84	49.19	2549.96	5494	3.618	12149	4.76	
		80%	51.77	58.24	3015.48	5818	4.088	13721	4.55	
		85%	51.69	68.18	3524.36	6123	4.571	15313	4.35	
		90%	51.60	79.33	4093.14	6420	5.078	16948	4.14	
		100%	51.40	103.71	5331.12	6961	6.141	20162	3.78	
		40%	50.76	11.32	574.45	3036	1.265	4009	6.98	
		45%	50.73	14.62	741.62	3354	1.540	4934	6.65	
		50%	50.70	18.57	941.65	3671	1.845	5961	6.33	
		55%	50.66	23.27	1178.59	3991	2.181	7090	6.02	
		60%	50.61	29.22	1478.71	4323	2.566	8371	5.66	
		65%	50.56	35.72	1805.87	4656	2.977	9728	5.39	

	25*10	70%	50.49	43.55	2198.86	4981	3.432	11230	5.11	103°C
		75%	50.42	52.54	2649.06	5298	3.915	12795	4.83	
		80%	50.33	63.06	3173.78	5607	4.444	14504	4.57	
		85%	50.25	73.45	3690.78	5903	4.976	16192	4.39	
		90%	50.15	85.27	4276.32	6178	5.516	17898	4.19	
		100%	49.94	111.85	5585.29	6699	6.669	21251	3.80	

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.)

AT8025 KV190	23*10	40%	44.65	13.76	614.47	3395	1.144	3792	6.17	76℃
		45%	44.63	16.60	740.87	3668	1.315	4456	6.01	
		50%	44.59	20.40	909.84	3968	1.542	5269	5.79	
		55%	44.55	25.49	1135.72	4299	1.840	6257	5.51	
		60%	44.51	30.87	1373.99	4636	2.130	7239	5.27	
		65%	44.44	38.26	1700.55	4996	2.496	8440	4.96	
		70%	44.39	45.85	2034.96	5356	2.878	9698	4.77	
		75%	44.31	55.34	2451.98	5693	3.291	11099	4.53	
		80%	44.23	65.43	2893.81	6029	3.713	12534	4.33	
		85%	44.14	76.14	3360.88	6332	4.138	13917	4.14	
		90%	44.04	87.97	3874.09	6640	4.570	15335	3.96	
		100%	43.83	113.82	4988.91	7192	5.459	18097	3.63	
	24*10	40%	44.64	14.36	641.22	3280	1.253	4128	6.44	89℃
		45%	44.61	17.95	800.65	3577	1.490	4935	6.16	
		50%	44.57	22.64	1009.32	3907	1.779	5926	5.87	
		55%	44.53	28.27	1258.85	4245	2.111	7051	5.60	
		60%	44.47	34.92	1552.99	4589	2.473	8272	5.33	
		65%	44.40	43.04	1911.10	4939	2.883	9697	5.07	
		70%	44.33	51.91	2301.24	5284	3.320	11149	4.85	
		75%	44.25	62.52	2766.66	5624	3.783	12724	4.60	
		80%	44.15	74.00	3267.27	5943	4.266	14331	4.39	
		85%	44.05	86.23	3798.70	6234	4.752	15898	4.19	
		90%	43.94	100.17	4401.00	6528	5.258	17553	3.99	
		100%	43.70	129.08	5641.04	7057	6.275	20614	3.65	
		40%	44.04	17.08	752.36	3224	1.490	4826	6.41	
		45%	43.96	20.80	914.30	3479	1.740	5645	6.17	
		50%	43.86	25.28	1108.87	3752	2.030	6597	5.95	

25*10	55%	43.72	31.41	1373.36	4070	2.400	7800	5.68	104℃
	60%	43.56	38.60	1681.24	4391	2.800	9135	5.43	
	65%	43.21	46.87	2025.08	4690	3.210	10476	5.17	
	70%	43.03	56.31	2422.91	4991	3.680	11971	4.94	
	75%	42.78	66.76	2855.55	5276	4.150	13501	4.73	
	80%	42.53	78.10	3321.60	5541	4.640	15032	4.53	
	85%	42.28	89.86	3799.22	5801	5.130	16554	4.36	
	90%	42.01	103.56	4350.59	6063	5.650	18203	4.18	
	100%	41.39	133.33	5518.71	6716	6.700	21549	3.85	
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 "onsales@ligpower.com" in time.