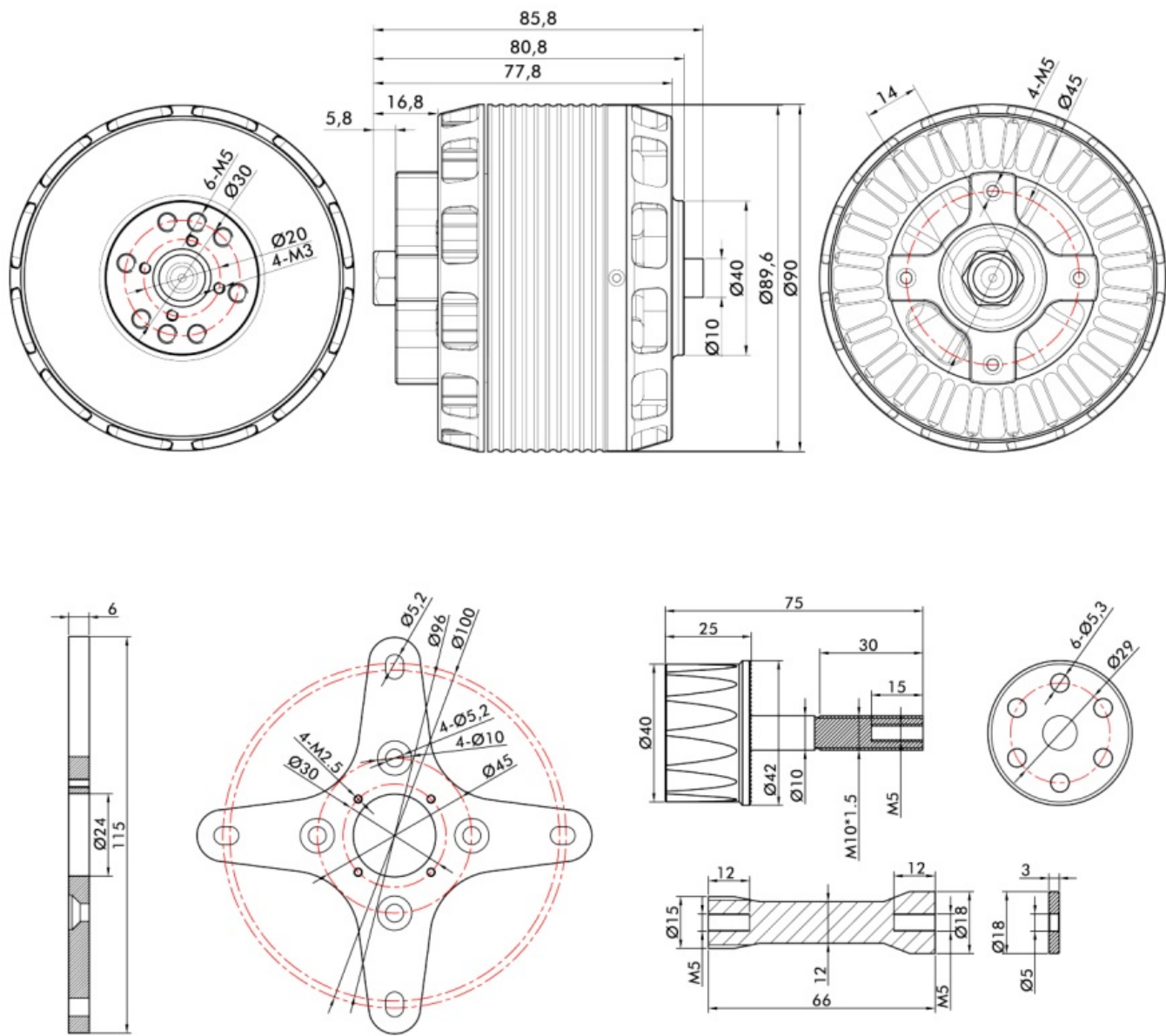




Specification

Test Item	KV160	Weight (Incl. Cable)	1110g
Motor Dimensions	Φ90*80.8mm	Internal Resistance	10.5mΩ
Lead	Wound Wire Outlet 100mm	Configuration	24N28P
Shaft Diameter	IN : 12mm OUT : 10mm	Rated Voltage(LiPo)	10-14S
Idle Current(10V)	4.5A	Peak Current(180s)	135A , 155A
Max Power (180S)	5600W/12S , 7500W/14S		
Test Item	KV190	Weight (Incl. Cable)	1115g
Motor Dimensions	Φ90*80.8mm	Internal Resistance	8mΩ
Lead	Wound Wire Outlet 100mm	Configuration	24N28P
Shaft Diameter	IN : 12mm OUT : 10mm	Rated Voltage(LiPo)	10-12S

Idle Current(10V)	5.2A	Peak Current(180s)	165A
Max Power (180S)	6800W/12S		

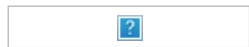
Test Data

Type	Propeller	Throttle	Voltage (V)	Current (A)	Power (W)	RPM	Torque (N*m)	Thrust (g)	Efficiency (g/W)	Operating Temperature (°C)
AT8030	25*10	40%	44.35	12.08	535.61	2969	1.134	3665	6.84	72°C
		45%	44.19	14.87	657.18	3182	1.338	4338	6.60	
		50%	43.90	17.75	779.14	3454	1.573	5154	6.61	
		55%	43.85	21.99	964.31	3727	1.873	6103	6.33	
		60%	44.04	26.20	1154.02	4030	2.161	7157	6.20	
		65%	43.75	32.70	1430.68	4333	2.525	8319	5.81	
		70%	43.79	39.31	1721.42	4606	2.910	9607	5.58	
		75%	43.42	45.50	1975.71	4878	3.328	10976	5.56	
		80%	43.26	54.00	2335.99	5181	3.724	12342	5.28	
		85%	42.91	63.78	2736.83	5424	4.173	13757	5.03	
		90%	42.68	73.92	3154.88	5696	4.601	15126	4.79	
		100%	42.14	94.69	3990.09	6151	5.478	17986	4.51	
	26*12	40%	44.25	13.47	596.23	2757	1.445	4329	7.26	87°C
		45%	44.12	17.21	759.19	3060	1.776	5349	7.05	
		50%	44.08	22.17	977.47	3333	2.129	6454	6.60	
		55%	43.92	27.64	1214.04	3636	2.536	7655	6.31	
		60%	43.73	33.30	1456.34	3939	2.964	8966	6.16	
		65%	43.52	41.46	1804.47	4212	3.413	10381	5.75	
		70%	43.30	49.03	2123.06	4484	3.916	11910	5.61	
		75%	43.00	59.47	2557.04	4727	4.408	13402	5.24	
		80%	42.77	70.68	3022.80	5000	4.933	15057	4.98	
		85%	42.55	78.50	3340.14	5242	5.446	16586	4.97	
		90%	42.34	92.54	3918.34	5454	5.992	18128	4.63	
		100%	41.50	118.78	4929.33	5878	7.062	21122	4.29	
	27*12	40%	44.40	14.57	646.71	2727	1.605	4751	7.35	105°C
		45%	44.04	19.26	848.10	3030	2.012	5942	7.01	
		50%	44.18	24.50	1082.43	3333	2.440	7237	6.69	
55%		43.79	30.31	1327.47	3575	2.889	8617	6.49		
60%		43.74	37.88	1656.99	3848	3.371	10045	6.06		
65%		43.33	45.00	1949.95	4121	3.863	11552	5.92		

AT8030 KV190	24*10	55%	43.89	28.73	1261.11	4272	2.119	7196	5.71	89℃
		60%	43.72	35.63	1557.68	4606	2.472	8351	5.36	
		65%	43.39	43.12	1870.78	4939	2.857	9702	5.19	
		70%	43.16	50.96	2199.40	5272	3.296	11213	5.10	
		75%	43.08	62.34	2685.71	5575	3.756	12756	4.75	
		80%	42.71	72.88	3112.66	5909	4.194	14259	4.58	
		85%	42.60	83.43	3553.94	6151	4.687	15821	4.45	
		90%	42.22	94.58	3993.36	6424	5.136	17268	4.32	
		100%	41.68	122.00	5085.05	6939	6.078	20207	3.97	
	25*10	40%	44.29	16.49	730.49	3333	1.423	4613	6.32	102℃
		45%	44.12	20.42	900.95	3606	1.691	5550	6.16	
		50%	44.07	25.19	1110.30	3909	2.033	6685	6.02	
		55%	43.85	31.80	1394.59	4242	2.397	7927	5.68	
		60%	43.66	38.88	1697.61	4575	2.836	9367	5.52	
		65%	43.22	47.95	2072.41	4909	3.296	10897	5.26	
		70%	43.06	57.19	2462.66	5212	3.777	12552	5.10	
		75%	42.77	67.65	2893.24	5515	4.280	14156	4.89	
		80%	42.47	79.24	3365.48	5818	4.783	15831	4.70	
		85%	42.20	93.56	3948.43	6090	5.286	17416	4.41	
		90%	41.97	105.22	4416.22	6333	5.778	18941	4.29	
		100%	40.96	135.87	5565.41	6787	6.837	21988	3.95	

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.