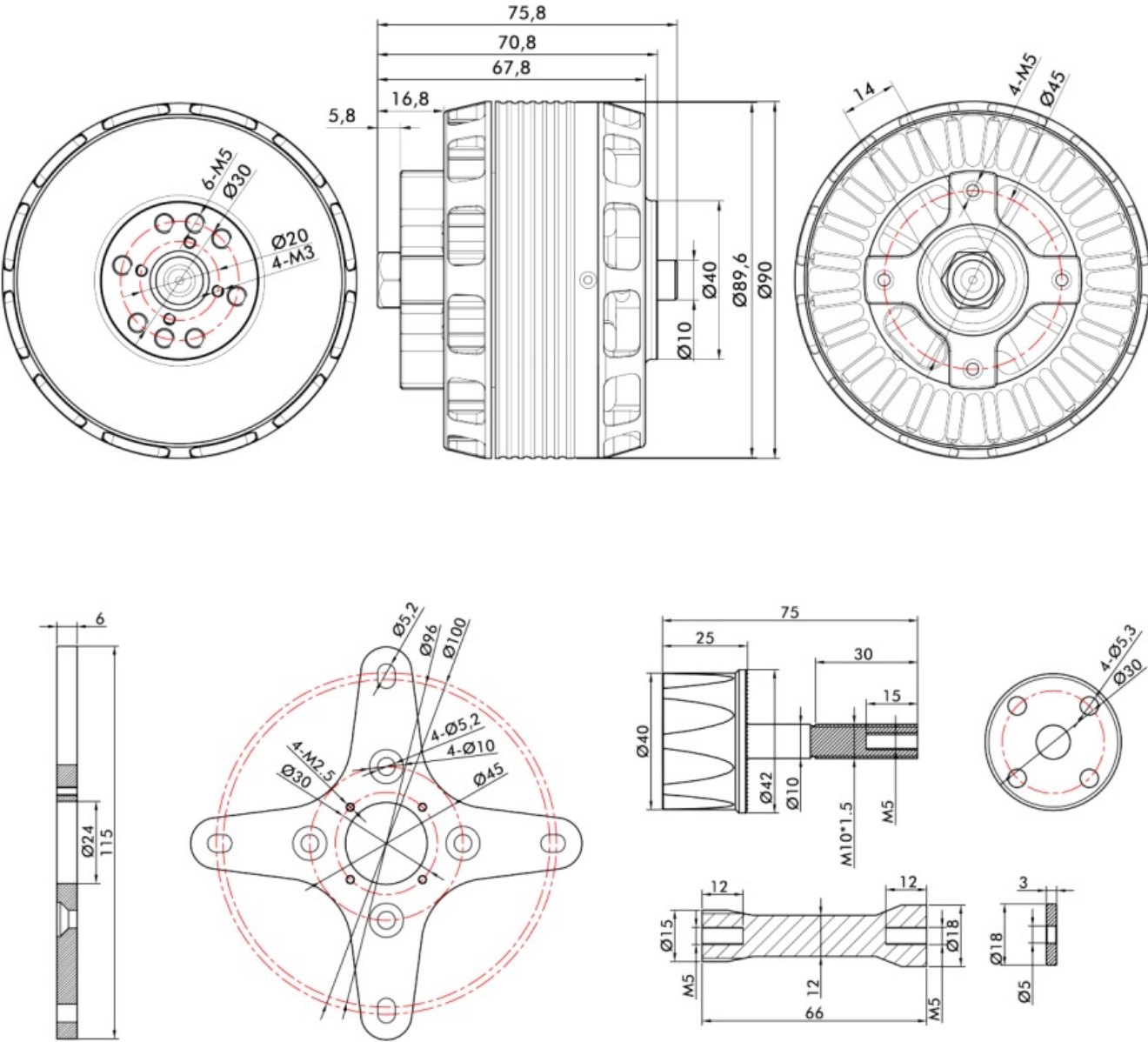




Specification

Test Item	KV180	Weight (Incl. Cable)	865g
Motor Dimensions	Φ90*70.8mm	Internal Resistance	16mΩ
Lead	Wound Wire Outlet 100mm	Configuration	24N28P
Shaft Diameter	IN : 12mm OUT : 10mm	Rated Voltage(LiPo)	10-14S
Idle Current(10V)	4.6A	Peak Current(180s)	120A
Max Power (180S)	5600W/14S		
Test Item	KV210	Weight (Incl. Cable)	870g
Motor Dimensions	Φ90*70.8mm	Internal Resistance	12mΩ
Lead	Wound Wire Outlet 100mm	Configuration	24N28P
Shaft Diameter	IN : 12mm OUT : 10mm	Rated Voltage(LiPo)	10-12S

Idle Current(10V)	5.3A	Peak Current(180s)	135A
Max Power (180S)	5500W/12S		

Test Data

Type	Propeller	Throttle	Voltage (V)	Current (A)	Power (W)	RPM	Torque (N*m)	Thrust (g)	Efficiency (g/W)	Operating Temperature (°C)
AT8020 KV180	23*10	40%	44.40	9.68	429.80	3030	0.850	2451	5.70	63°C
		45%	44.53	12.54	558.40	3360	1.060	3169	5.70	
		50%	44.45	15.97	709.90	3690	1.300	3962	5.60	
		55%	44.42	19.37	860.40	3990	1.530	4782	5.60	
		60%	44.06	25.00	1101.50	4350	1.860	5849	5.30	
		65%	44.01	30.35	1335.70	4680	2.160	6880	5.20	
		70%	43.66	35.97	1570.50	4980	2.480	7968	5.10	
		75%	43.72	43.17	1887.40	5280	2.810	9075	4.80	
		80%	43.45	50.77	2206.00	5580	3.150	10163	4.60	
		90%	42.82	68.97	2953.30	6090	3.900	12514	4.20	
		100%	42.31	89.84	3801.10	6660	4.710	14996	3.90	
	24*10	40%	44.48	10.59	471.00	3000	0.980	2844	6.00	77°C
		45%	44.45	13.91	618.30	3330	1.240	3681	6.00	
		50%	44.62	17.67	788.40	3660	1.500	4553	5.80	
		55%	43.99	22.01	968.20	3930	1.770	5427	5.60	
		60%	44.00	27.49	1209.60	4320	2.120	6615	5.50	
		65%	43.79	33.26	1456.50	4590	2.460	7739	5.30	
		70%	43.67	40.37	1763.00	4920	2.850	8992	5.10	
		75%	43.62	48.29	2106.40	5190	3.210	10215	4.80	
		80%	43.19	56.56	2442.80	5490	3.580	11447	4.70	
		90%	42.50	76.01	3230.40	6000	4.380	13980	4.30	
		100%	41.97	102.08	4284.30	6510	5.310	16889	3.90	
	25*10	40%	44.68	11.61	518.70	2970	1.140	3277	6.30	93°C
		45%	44.31	15.40	682.40	3330	1.440	4226	6.20	
		50%	44.35	19.36	858.60	3600	1.720	5154	6.00	
		55%	44.16	24.25	1070.90	3870	2.010	6120	5.70	
		60%	44.07	30.09	1326.10	4170	2.370	7307	5.50	
		65%	43.72	37.41	1635.60	4500	2.810	8699	5.30	
		70%	43.77	45.69	1999.90	4830	3.230	10085	5.00	
		75%	43.26	53.95	2333.90	5100	3.620	11455	4.90	

AT8020 KV210		80%	42.40	68.72	2913.70	6450	3.510	11630	4.00	HOT
		90%	42.04	90.18	3791.20	7020	4.290	14129	3.70	
		100%	41.19	118.95	4899.60	7620	5.180	16950	3.50	
	23*10	40%	44.20	14.08	622.30	3510	1.160	3301	5.30	
		45%	43.95	18.53	814.40	3900	1.430	4221	5.20	
		50%	43.74	23.48	1027.00	4200	1.710	5160	5.00	
		55%	43.81	29.53	1293.70	4590	2.070	6357	4.90	
		60%	43.56	38.02	1656.20	4980	2.450	7650	4.60	
		65%	43.40	45.26	1964.30	5340	2.830	8928	4.50	
		70%	43.06	55.18	2376.10	5640	3.220	10211	4.30	
		75%	42.57	64.34	2739.00	5970	3.670	11594	4.20	
		80%	42.37	77.79	3296.00	6300	4.090	12942	3.90	
		90%	41.64	103.74	4319.70	6870	4.910	15486	3.60	
100%	41.04	131.38	5391.80	7350	5.850	18227	3.40			
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.