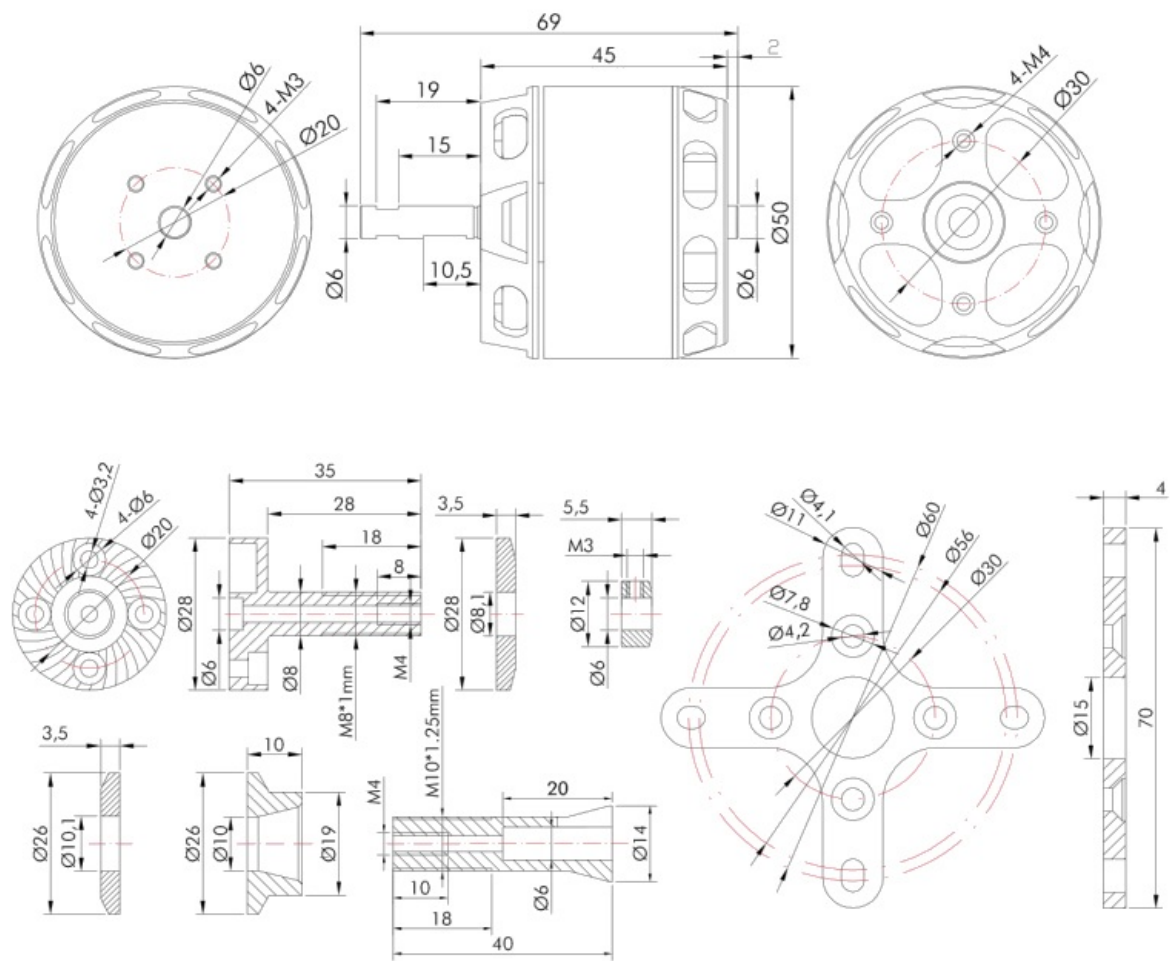




Specification

Test Item	Long ShaftKV250	Weight (Incl. Cable)	304g
Motor Dimensions	$\Phi 50 \times 69 \text{mm}$	Internal Resistance	76m Ω
Lead	Enameled Wire100mm	Configuration	12N14P
Shaft Diameter	IN : 6mm OUT : 6mm	Rated Voltage(Lipo)	12S
Idle Current(10V)	1.0A	Peak Current(180s)	45A
Max Power (180S)	2100W	Recommendation	/
Test Item	Long ShaftKV500	Weight (Incl. Cable)	305g
Motor Dimensions	$\Phi 50 \times 69 \text{mm}$	Internal Resistance	21m Ω
Lead	Enameled Wire100mm	Configuration	12N14P
Shaft Diameter	IN : 6mm OUT : 6mm	Rated Voltage(Lipo)	6S
Idle Current(10V)	2.0A	Peak Current(180s)	75A
Max Power (180S)	1700W	Recommendation	/
Test Item	Long ShaftKV560	Weight (Incl. Cable)	300g

Motor Dimensions	Φ50*69mm	Internal Resistance	16mΩ
Lead	Enameled Wire100mm	Configuration	12N14P
Shaft Diameter	IN : 6mm OUT : 6mm	Rated Voltage(Lipo)	6S
Idle Current(10V)	2.4A	Peak Current(180s)	80A
Max Power (180S)	1800W	Recommendation	/

Test Data

Type	Propeller	Throttle	Voltage (V)	Current (A)	Power (W)	RPM	Torque (N*m)	Thrust (g)	Efficiency (g/W)	Operating Temperature (°C)
AT4120 Long Shaft KV250	APC 15*8	40%	44.32	2.70	119.63	3880	0.203	1012	8.46	65 (Ambient Temperature: /)
		45%	44.33	3.30	146.11	4287	0.248	1235	8.45	
		50%	44.30	4.56	201.83	4838	0.319	1574	7.80	
		55%	44.25	6.75	298.59	5422	0.411	2014	6.75	
		60%	44.23	8.19	362.23	5832	0.478	2331	6.43	
		65%	44.21	9.84	434.86	6243	0.558	2712	6.24	
		70%	44.14	12.69	560.11	6716	0.653	3146	5.62	
		75%	44.10	15.43	680.25	7132	0.749	3586	5.27	
		80%	44.04	18.63	820.64	7565	0.857	4067	4.96	
		90%	43.91	26.06	1144.20	8288	1.071	4934	4.31	
		100%	43.73	36.52	1596.93	8963	1.347	5504	3.45	
	APC 15*10	40%	44.30	3.05	135.07	3828	0.249	1104	8.18	87 (Ambient Temperature: /)
		45%	44.28	3.86	171.08	4205	0.300	1321	7.72	
		50%	44.26	5.15	228.12	4716	0.375	1662	7.29	
		55%	44.21	7.77	343.40	5317	0.492	2168	6.31	
		60%	44.18	9.61	424.73	5713	0.565	2476	5.83	
		65%	44.14	11.97	528.31	6154	0.671	2914	5.52	
		70%	44.08	15.06	663.58	6565	0.775	3355	5.06	
		75%	44.03	17.80	783.72	6953	0.879	3771	4.81	
		80%	43.96	21.72	954.68	7363	0.997	4240	4.44	
		90%	43.80	30.96	1355.90	8012	1.276	4731	3.49	
		100%	43.61	42.30	1844.49	8618	1.545	5609	3.04	
		40%	44.37	3.25	144.09	3937	0.257	1253	8.70	HOT
		45%	44.37	3.99	177.09	4278	0.304	1485	8.39	
		50%	44.33	5.53	245.37	4824	0.389	1899	7.74	
55%		44.29	7.96	352.38	5389	0.498	2422	6.87		

	APC 16*8	60%	22.21	22.03	489.30	5927	0.622	2979	6.09	(Ambient Temperature: /)
		65%	22.12	27.16	600.86	6334	0.719	3427	5.70	
		70%	22.03	32.72	720.93	6715	0.824	3885	5.39	
		75%	21.94	38.56	845.96	7075	0.922	4305	5.09	
		80%	21.82	45.23	986.96	7405	1.024	4742	4.80	
		90%	21.54	62.33	1342.79	8035	1.270	5801	4.32	
		100%	21.49	65.44	1406.23	8108	1.318	5967	4.24	

Note: Motor temperature is motor surface temperature at 100% throttle running 10mins.
(Date above based on benchtest are for reference only, comparion with that of other motor types is not recommended.)

AT4120 Long Shaft KV560	APC 14*7	40%	22.44	9.30	208.82	5285	0.272	1421	6.81	79 (Ambient Temperature: /)
		45%	22.41	11.47	256.93	5704	0.323	1667	6.49	
		50%	22.38	13.30	297.53	6011	0.357	1832	6.16	
		55%	22.33	15.78	352.36	6365	0.408	2087	5.92	
		60%	22.28	18.84	419.77	6759	0.468	2374	5.66	
		65%	22.22	22.57	501.53	7242	0.531	2676	5.34	
		70%	22.15	27.13	600.92	7678	0.610	3049	5.07	
		75%	22.07	31.63	698.14	8054	0.684	3395	4.86	
		80%	21.97	37.50	823.81	8465	0.776	3779	4.59	
		90%	21.72	52.46	1139.49	9286	0.977	4616	4.05	
		100%	21.61	59.47	1284.98	9581	1.065	4909	3.82	
	APC 15*8	40%	22.43	9.90	222.15	4796	0.320	1562	7.03	98 (Ambient Temperature: /)
		45%	22.40	12.15	272.15	5152	0.374	1829	6.72	
		50%	22.34	15.29	341.66	5582	0.445	2168	6.34	
		55%	22.27	19.32	430.25	6049	0.528	2558	5.95	
		60%	22.20	23.78	527.88	6475	0.612	2951	5.59	
		65%	22.11	29.15	644.45	6934	0.709	3384	5.25	
		70%	22.01	35.31	777.07	7358	0.806	3828	4.93	
		75%	21.89	42.25	924.78	7731	0.916	4314	4.66	
		80%	21.79	48.35	1053.45	8046	1.008	4707	4.47	
		90%	21.49	66.59	1431.12	8689	1.253	5311	3.71	
		100%	21.32	76.78	1637.32	8979	1.376	5580	3.41	

Note: Motor temperature is motor surface temperature at 100% throttle running 10mins.
(Date above based on benchtest are for reference only, comparion with that of other motor types is not recommended.)

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.