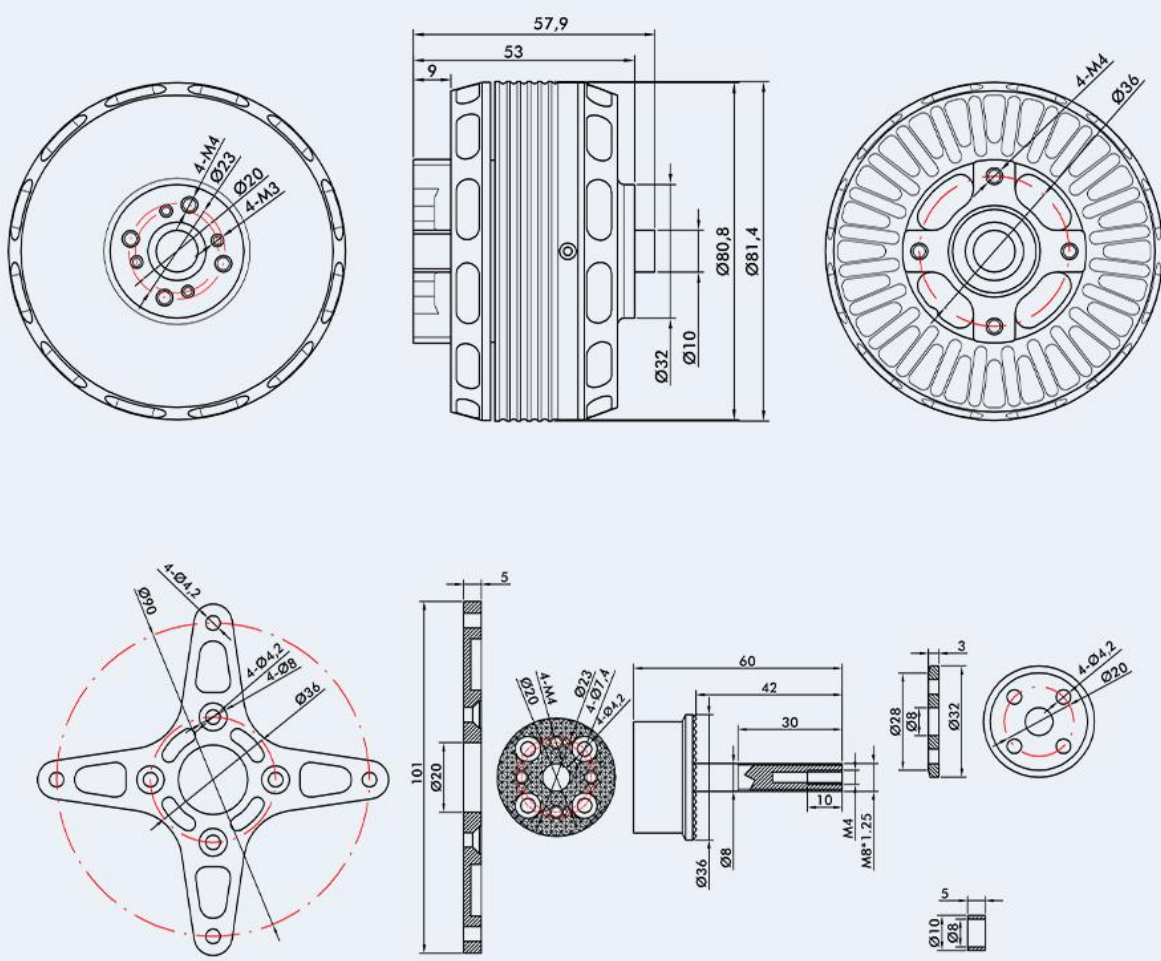


Product Drawing



Specifications

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		

Type	Propeller	Throttle	Voltage (V)	Current (A)	Power (W)	RPM	Torque (N*m)	Thrust (g)	Efficiency (g/W)	Operating Temperature (°C)
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	

Continued below

		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	
	18*10	40%	47.61	7.86	374.23	4301	0.582	2347	6.27	102 (Ambient Temperature:/)
		45%	47.55	10.34	491.65	4777	0.724	2893	5.89	
		50%	47.46	14.05	666.98	5307	0.896	3586	5.38	
		55%	47.34	20.34	962.73	5942	1.163	4455	4.63	
		60%	47.22	26.29	1241.45	6457	1.423	5157	4.15	
		65%	47.11	32.06	1510.05	6888	1.637	5842	3.87	
		70%	46.97	39.37	1848.91	7369	1.886	6691	3.62	
		75%	46.78	48.87	2286.20	7855	2.184	7644	3.34	
		80%	46.58	59.46	2769.41	8232	2.523	7992	2.89	
		90%	46.10	82.27	3793.00	8987	3.124	9486	2.50	
	100%	45.61	105.95	4832.76	9660	3.648	10835	2.24		
	19*10	40%	30.02	5.56	167.04	3037	0.364	1343	8.04	/
		45%	29.96	7.93	237.48	3453	0.461	1735	7.31	
		50%	29.91	10.57	316.06	3856	0.572	2169	6.86	
		55%	29.85	13.32	397.41	4192	0.673	2588	6.52	
		60%	29.78	16.28	484.90	4523	0.781	3019	6.23	
		65%	29.70	20.48	608.15	4890	0.917	3560	5.85	
		70%	29.58	25.75	761.79	5281	1.080	4167	5.47	
		75%	29.46	31.75	935.15	5653	1.256	4813	5.15	
		80%	29.34	37.38	1096.73	5969	1.409	5392	4.92	
		90%	29.06	50.51	1467.90	6566	1.744	6559	4.47	
	100%	29.01	52.79	1531.50	6661	1.802	6750	4.41		
	19*10	40%	33.30	6.35	211.62	3332	0.406	1611	7.62	54 (Ambient Temperature:/)
		45%	33.24	8.96	297.74	3771	0.524	2087	7.01	
		50%	33.18	12.23	405.85	4208	0.651	2613	6.44	
		55%	33.10	15.64	517.67	4589	0.777	3133	6.05	
		60%	33.02	18.94	625.47	4930	0.915	3621	5.79	
		65%	32.92	23.78	782.80	5348	1.089	4262	5.45	
		70%	32.75	31.64	1036.33	5840	1.318	5114	4.93	
		75%	32.63	37.45	1222.02	6183	1.492	5760	4.71	
		80%	32.50	44.11	1433.33	6516	1.681	6436	4.49	

Continued below

AT7215 KV245		90%	32.16	59.75	1921.70	7143	2.113	7842	4.08	
		100%	32.10	62.45	2004.76	7248	2.184	8041	4.01	
	19*10	40%	37.00	7.40	273.79	3658	0.486	1948	7.12	/
		45%	36.93	10.27	379.20	4120	0.629	2518	6.64	
		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	

Continued below

20*10	50%	33.04	13.41	443.15	4152	0.770	2993	6.76	63 (Ambient Temperature:/)
	55%	32.95	17.21	566.99	4535	0.920	3579	6.31	
	60%	32.87	21.01	690.54	4867	1.067	4140	6.00	
	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	
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	
	70%	29.35	34.63	1016.60	5109	1.586	5660	5.57	
	75%	29.21	41.61	1215.49	5433	1.808	6415	5.28	
	80%	29.04	49.77	1445.12	5730	2.043	7184	4.97	
	90%	28.68	66.70	1912.94	6267	2.508	8620	4.51	
100%	28.60	69.91	1999.91	6343	2.593	8911	4.46		
21*10	40%	33.18	8.13	269.92	3236	0.567	2210	8.19	71 (Ambient Temperature:/)
	45%	33.10	11.79	390.28	3662	0.757	2867	7.35	
	50%	33.03	15.73	519.42	4080	0.947	3582	6.90	
	55%	32.93	20.39	671.49	4462	1.155	4266	6.35	
	60%	32.83	25.14	825.14	4786	1.342	4941	5.99	
	65%	32.68	32.12	1049.62	5174	1.607	5826	5.55	
	70%	32.47	42.07	1365.93	5614	1.933	6897	5.05	
	75%	32.31	49.79	1608.72	5924	2.181	7710	4.79	
	80%	32.12	58.67	1884.23	6225	2.429	8552	4.54	
	90%	31.70	78.55	2489.66	6785	2.926	10240	4.11	
100%	31.59	82.89	2618.52	6860	3.034	10597	4.05		

Note: Motor temperature is motor surface temperature @100% throttle running 3mins.
(Date above based on benchtest are for reference only, comparison with that of other motor types is not recommended.)

Contents



Motor x 1



Parts Bag x 1

Please check that your package contains all the above items before use, If something is missing, please contact online customer service or leave message to onlinesales@tmotor.com