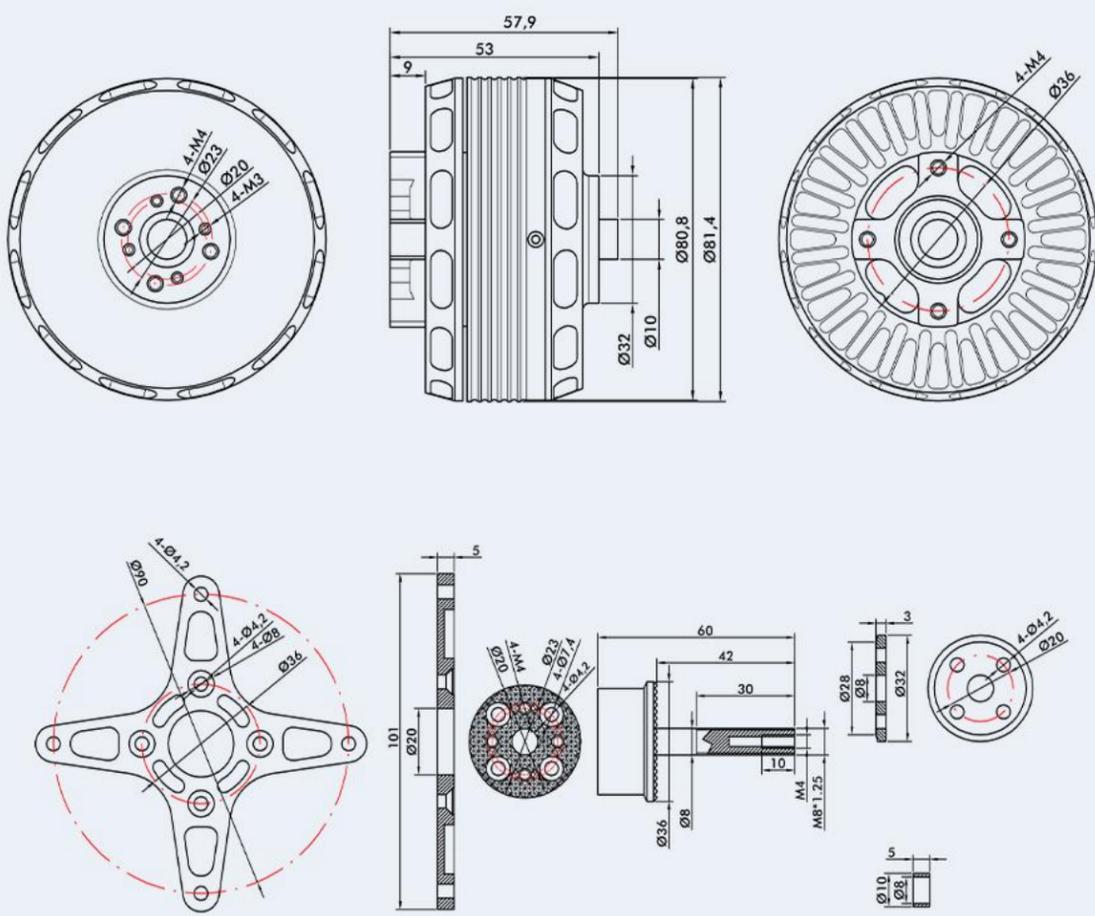


T-Motor AT7215 30cc

Product Drawing



Specifications

Test Item	Long Shaft KV220	Weight (Incl. Cable)	565g
Motor Dimensions	Φ81.4*57.9mm	Internal Resistance	24mΩ
Lead	Enameled Wire 100mm	Configuration	24N22P
Shaft Diameter	IN: 10mm OUT: 10mm	Rated Voltage(Lipo)	10-12S
Idle Current(10V)	2.4A	Peak Current(180s)	100A
Max. Power(180s)	4500W/12S		

Type	Propeller	Throttle	Voltage (V)	Current (A)	Power (W)	RPM	Torque (N*m)	Thrust (g)	Efficiency (g/W)	Operating Temperature (°C)
19*10		40%	43.93	6.27	275.62	3667	0.492	1956	7.10	89 (Ambient Temperature:/)
		45%	43.88	8.37	367.29	4086	0.612	2469	6.72	
		50%	43.82	11.23	492.26	4542	0.769	3066	6.23	
		55%	43.72	15.46	675.76	5037	0.948	3795	5.62	
		60%	43.62	20.91	911.80	5583	1.173	4709	5.16	
		65%	43.50	25.56	1111.85	5972	1.349	5408	4.86	
		70%	43.39	31.66	1373.76	6408	1.579	6277	4.57	
		75%	43.25	38.52	1665.86	6839	1.798	7139	4.29	
		80%	43.11	45.43	1958.91	7206	2.019	7991	4.08	
		90%	42.66	62.78	2678.19	7909	2.511	9688	3.62	
100%	42.23	84.85	3582.90	8476	3.102	10729	2.99			
19*10		40%	47.54	7.13	338.88	3976	0.574	2301	6.79	/
		45%	47.48	9.50	451.09	4414	0.718	2879	6.38	
		50%	47.40	12.85	609.30	4901	0.899	3584	5.88	
		55%	47.25	18.81	888.73	5513	1.144	4582	5.16	
		60%	47.16	23.96	1129.80	5999	1.360	5435	4.81	
		65%	46.92	29.01	1361.27	6410	1.569	6257	4.60	
		70%	46.78	35.26	1649.36	6840	1.806	7181	4.35	
		75%	46.64	43.92	2048.81	7301	2.086	8218	4.01	
		80%	46.47	52.44	2436.89	7698	2.353	9185	3.77	
		90%	46.04	74.62	3435.64	8381	3.016	10521	3.06	
100%	45.62	98.87	4510.54	9002	3.611	11865	2.63			

Continued below

AT7215 KV220	20*10	40%	36.63	5.48	200.90	3130	0.417	1648	8.20	/
		45%	36.58	7.23	264.33	3484	0.518	2068	7.82	
		50%	36.53	9.91	361.83	3904	0.651	2609	7.21	
		55%	36.44	13.37	487.14	4302	0.798	3207	6.58	
		60%	36.36	16.56	602.21	4649	0.942	3782	6.28	
		65%	36.35	19.42	705.98	4965	1.074	4300	6.09	
		70%	36.18	24.65	892.04	5335	1.241	4998	5.60	
		75%	36.02	32.28	1162.80	5803	1.482	5953	5.12	
		80%	35.80	37.57	1344.80	6109	1.642	6588	4.90	
		90%	35.57	50.95	1812.52	6738	2.018	8054	4.44	
	100%	35.27	66.48	2344.83	7277	2.405	9551	4.07		
	20*10	40%	41.55	6.52	270.85	3502	0.523	2091	7.72	83 (Ambient Temperature:/)
		45%	41.50	8.64	358.67	3887	0.650	2607	7.27	
		50%	41.42	11.86	491.36	4341	0.815	3279	6.67	
		55%	41.30	15.88	655.99	4777	0.994	3995	6.09	
		60%	41.22	19.80	816.29	5168	1.167	4702	5.76	
		65%	40.99	25.92	1062.24	5642	1.392	5585	5.26	
		70%	40.86	32.05	1309.67	6041	1.611	6459	4.93	
		75%	40.72	39.64	1614.06	6446	1.855	7418	4.60	
		80%	40.61	46.34	1881.77	6785	2.066	8248	4.38	
		90%	40.26	63.70	2564.62	7455	2.555	10122	3.95	
	100%	39.89	83.10	3314.87	8027	3.031	11884	3.59		
	20*10	40%	43.91	7.02	308.23	3669	0.570	2279	7.40	87 (Ambient Temperature:/)
		45%	43.87	9.22	404.34	4071	0.710	2844	7.03	
		50%	43.75	12.76	558.30	4535	0.887	3565	6.39	
		55%	43.64	17.56	766.54	5000	1.082	4346	5.67	
		60%	43.52	23.53	1024.26	5544	1.338	5367	5.24	
		65%	43.31	28.33	1226.94	5913	1.530	6114	4.98	
		70%	43.18	35.07	1514.33	6339	1.775	7065	4.67	
		75%	43.04	42.91	1846.71	6753	2.033	8106	4.39	
		80%	42.90	50.75	2177.07	7107	2.279	9042	4.15	
		90%	42.52	69.80	2967.96	7789	2.814	11019	3.71	
	100%	42.10	91.96	3871.53	8365	3.363	12900	3.33		
	20*10	40%	47.54	7.87	373.90	3926	0.659	2626	7.02	/
		45%	47.48	10.47	496.90	4344	0.809	3261	6.56	
		50%	47.40	14.16	671.27	4820	1.008	4054	6.04	
		55%	47.19	20.06	946.89	5358	1.249	5025	5.31	
		60%	46.98	26.61	1250.14	5900	1.536	6179	4.94	
		65%	46.82	32.71	1531.71	6320	1.775	7102	4.64	
		70%	46.72	39.99	1868.31	6759	2.049	8184	4.38	
		75%	46.56	49.17	2289.33	7188	2.351	9348	4.08	
		80%	46.36	59.21	2745.12	7570	2.655	10505	3.83	
90%		45.96	80.46	3697.56	8264	3.239	12511	3.38		
100%	45.48	106.60	4848.68	8859	3.872	14307	2.95			
21*10	40%	36.58	6.27	229.40	3085	0.500	1925	8.39	84 (Ambient Temperature:/)	
	45%	36.52	8.34	304.46	3427	0.624	2416	7.94		
	50%	36.43	11.87	432.36	3839	0.793	3076	7.11		
	55%	36.35	15.49	563.21	4224	0.966	3743	6.65		
	60%	36.26	19.70	714.16	4576	1.140	4422	6.19		
	65%	36.15	23.55	851.35	4881	1.294	5030	5.91		
	70%	35.94	29.26	1051.67	5228	1.505	5849	5.56		
	75%	35.76	38.20	1365.89	5665	1.781	6923	5.07		
	80%	35.62	45.04	1604.00	5958	1.995	7740	4.83		
	90%	35.32	61.32	2165.99	6541	2.442	9407	4.34		
100%	34.98	78.82	2756.77	7040	2.857	10944	3.97			
21*10	40%	41.53	7.47	310.30	3442	0.622	2419	7.80	/	
	45%	41.46	9.94	412.31	3822	0.778	3025	7.34		
	50%	41.30	13.73	567.18	4247	0.970	3763	6.63		
	55%	41.13	18.57	763.90	4678	1.192	4635	6.07		
	60%	41.01	23.67	970.90	5063	1.409	5465	5.63		
	65%	40.85	31.16	1272.87	5534	1.688	6568	5.16		
	70%	40.76	38.06	1551.35	5916	1.941	7540	4.86		
	75%	40.55	46.97	1904.43	6293	2.223	8605	4.52		
	80%	40.40	55.28	2233.35	6608	2.479	9542	4.27		
	90%	40.03	75.93	3039.83	7216	3.042	11585	3.81		
100%	39.59	99.67	3945.57	7726	3.615	13551	3.43			

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

Continued below

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