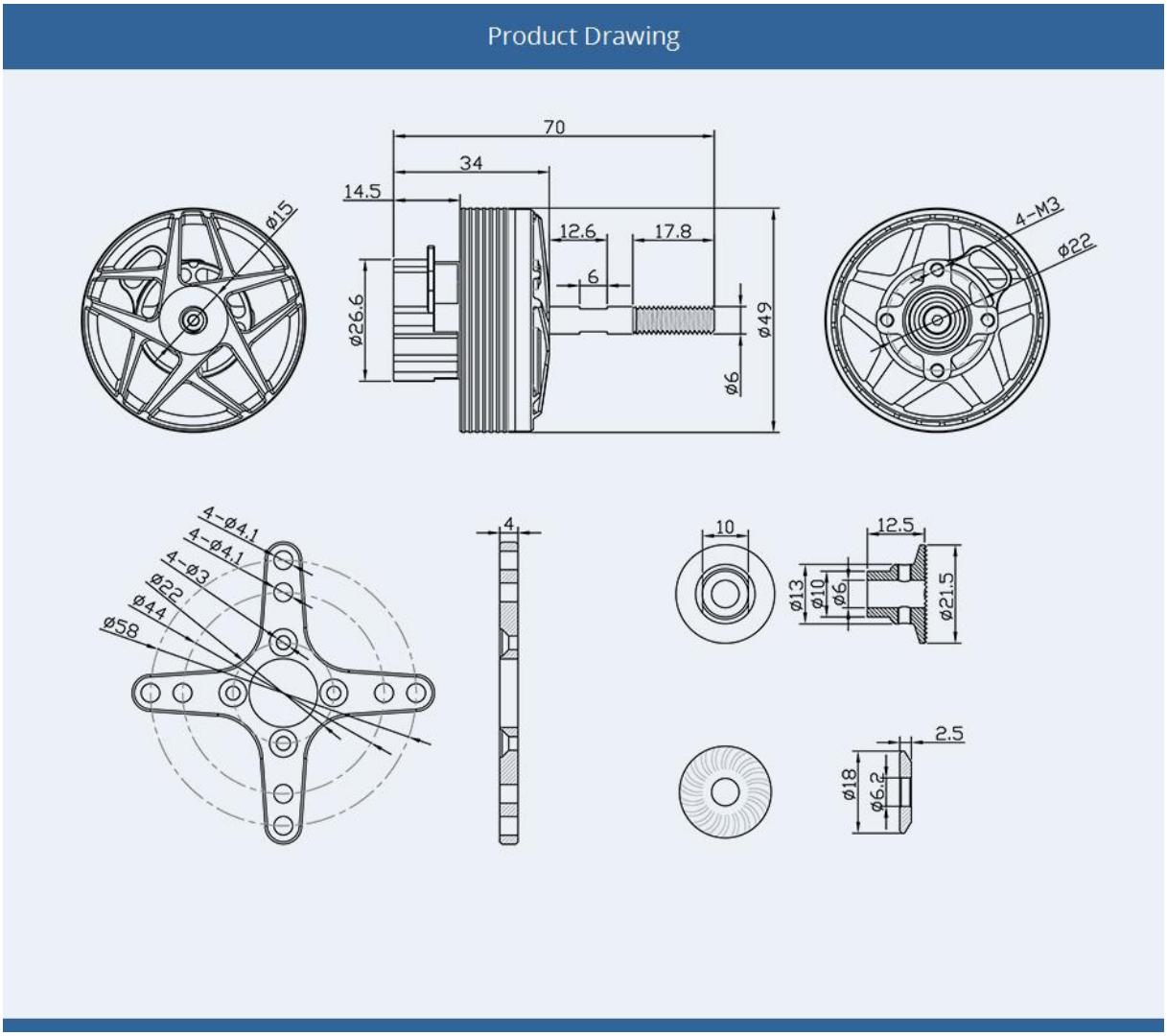
T-Motor AM 480 Technische Daten



Specifications

Test Item	KV600	Weight (Incl. Cable)	145g
Motor Dimensions	Φ49*70mm	Internal Resistance	35mΩ
Lead	Enameled Wire 90mm	Configuration	24N28P
Shaft Diameter	IN : 6mm OUT : 6mm	Rated Voltage(Lipo)	5-6S
Idle Current(10V)	1.35A	Peak Current(180s)	45A
Max. Power(180s)	960W		

Test Item	KV650	Weight (Incl. Cable)	145g
Motor Dimensions	Φ49*70mm	Internal Resistance	32mΩ
Lead	Enameled Wire 90mm	Configuration	24N28P
Shaft Diameter	IN : 6mm OUT : 6mm	Rated Voltage(Lipo)	5-6S
Idle Current(10V)	1.55A	Peak Current(180s)	55A
Max. Power(180s)	1150W		

Test Item	KV900	Weight (Incl. Cable)	145g
Motor Dimensions	Φ49*70mm	Internal Resistance	18mΩ
Lead	Enameled Wire 90mm	Configuration	24N28P
Shaft Diameter	IN : 6mm OUT : 6mm	Rated Voltage(Lipo)	3-4S
Idle Current(10V)	2.45A	Peak Current(180s)	60A
Max. Power(180s)	800W		

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Test Report										
Type	Propeller	Throttle	Voltage (V)	Current (A)	Power (W)	RPM	Torque (N*m)	Thrust (g)	Efficiency (g/W)	Operating Temperature (°C)
AM480 KV600	APC 12*6	40%	21.70	3.75	81.34	4905	0.110	632	7.77	79 (Ambient Temperature:/)
		50%	21.56	6.20	133.70	5914	0.164	944	7.06	
		55%	21.62	8.02	173.37	6454	0.195	1132	6.53	
		60%	21.59	9.99	215.69	6962	0.224	1331	6.17	
		65%	21.49	12.26	263.52	7465	0.257	1548	5.87	
		70%	21.43	14.79	316.95	7919	0.300	1758	5.55	
		75%	21.38	17.68	378.03	8369	0.341	1988	5.26	
		80%	21.31	20.75	442.00	8779	0.380	2224	5.03	
		90%	21.22	28.32	600.76	9608	0.483	2725	4.54	
		100%	21.02	36.75	772.54	10343	0.569	3197	4.14	
	APC 13*6.5	40%	21.89	4.60	100.81	4761	0.146	795	7.89	88 (Ambient Temperature:/)
		50%	21.53	7.71	165.97	5715	0.209	1152	6.94	
		55%	21.54	9.90	213.27	6227	0.244	1383	6.48	
		60%	21.51	12.41	267.08	6709	0.289	1620	6.06	
		65%	21.46	15.37	329.84	7191	0.343	1886	5.72	
		70%	21.43	18.60	398.54	7629	0.389	2145	5.38	
		75%	21.30	21.95	467.61	8016	0.433	2391	5.11	
		80%	21.23	25.55	542.30	8383	0.479	2645	4.88	
		90%	21.06	34.72	731.43	9136	0.592	3171	4.34	
		100%	20.86	45.59	950.99	9777	0.707	3596	3.78	

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Type	Propeller	Throttle	Voltage (V)	Current (A)	Power (W)	RPM	Torque (N*m)	Thrust (g)	Efficiency (g/W)	Operating Temperature (℃)
AM480 KV600	T-MOTOR 13*6.5 polymer carbon	40%	21.93	4.80	105.23	4721	0.152	838	7.97	87 (Ambient Temperature:/)
		50%	21.84	8.30	181.31	5738	0.222	1255	6.92	
		55%	21.79	10.59	230.67	6235	0.259	1489	6.45	
		60%	21.73	13.25	287.99	6719	0.309	1746	6.06	
		65%	21.66	16.32	353.46	7197	0.360	2016	5.70	
		70%	21.59	19.47	420.33	7623	0.408	2280	5.42	
		75%	21.52	23.00	494.98	8024	0.455	2539	5.13	
		80%	21.43	26.80	574.36	8393	0.506	2807	4.89	
		90%	21.09	35.31	744.81	9101	0.602	3335	4.48	
		100%	20.89	45.61	953.00	9786	0.711	3897	4.09	
	T-MOTOR 13*6.5 polymer glass fibre	40%	21.93	4.68	102.70	4736	0.152	826	8.04	86 (Ambient Temperature:/)
		50%	21.85	8.08	176.43	5757	0.216	1231	6.98	
		55%	21.79	10.33	225.09	6259	0.256	1462	6.50	
		60%	21.74	12.90	280.39	6740	0.305	1718	6.13	
		65%	21.67	15.97	346.17	7224	0.352	1995	5.76	
		70%	21.60	19.06	411.74	7652	0.399	2253	5.47	
		75%	21.53	22.62	486.99	8055	0.448	2522	5.18	
		80%	21.45	26.30	564.18	8430	0.493	2781	4.93	
		90%	21.12	34.75	733.88	9138	0.596	3294	4.49	
		100%	20.94	45.09	943.93	9836	0.697	3847	4.08	

Note: Motor temperature is motor surface temperature @100% throttle running 3mins.
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Type	Propeller	Throttle	Voltage (V)	Current (A)	Power (W)	RPM	Torque (N*m)	Thrust (g)	Efficiency (g/W)	Operating Temperature (℃)
AM480 KV650	APC 12*6	40%	21.94	4.73	103.84	5292	0.128	747	7.20	81 (Ambient Temperature:/)
		50%	21.86	7.98	174.55	6414	0.186	1111	6.36	
		55%	21.81	10.23	223.20	6960	0.223	1331	5.97	
		60%	21.76	12.79	278.31	7517	0.262	1575	5.66	
		65%	21.70	15.58	338.12	8013	0.312	1809	5.35	
		70%	21.64	18.74	405.46	8488	0.350	2054	5.07	
		75%	21.57	22.35	481.99	8931	0.387	2305	4.78	
		80%	21.50	26.26	564.52	9375	0.435	2574	4.56	
		90%	21.18	34.98	740.91	10148	0.534	3066	4.14	
		100%	20.98	45.59	956.42	10892	0.633	3550	3.71	
	APC 13*6.5	40%	21.91	5.69	124.75	5102	0.166	911	7.30	92 (Ambient Temperature:/)
		50%	21.82	9.73	212.30	6159	0.246	1354	6.38	
		55%	21.75	12.61	274.21	6704	0.285	1616	5.90	
		60%	21.68	15.84	343.33	7214	0.347	1893	5.51	
		65%	21.60	19.31	417.07	7680	0.393	2167	5.20	
		70%	21.53	23.06	496.38	8100	0.445	2435	4.91	
		75%	21.43	27.26	584.21	8490	0.501	2703	4.63	
		80%	21.20	31.71	672.45	8838	0.546	2961	4.40	
		90%	20.97	42.53	891.90	9564	0.662	3475	3.90	
		100%	20.74	55.53	1151.83	10182	0.782	3930	3.41	

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Type	Propeller	Throttle	Voltage (V)	Current (A)	Power (W)	RPM	Torque (N*m)	Thrust (g)	Efficiency (g/W)	Operating Temperature (°C)
AM480 KV650	T-MOTOR 13*6.5 polymer carbon	40%	21.90	5.98	130.94	5049	0.175	967	7.39	89 (Ambient Temperature:/)
		50%	21.79	10.21	222.43	6096	0.249	1424	6.40	
		55%	21.73	13.08	284.11	6629	0.305	1702	5.99	
		60%	21.65	16.45	356.20	7138	0.359	1988	5.58	
		65%	21.45	19.79	424.39	7569	0.405	2247	5.30	
		70%	21.33	23.47	500.53	7975	0.451	2516	5.03	
		75%	21.24	27.46	583.20	8363	0.499	2779	4.76	
		80%	21.12	32.08	677.54	8738	0.551	3055	4.51	
		90%	20.97	42.84	898.42	9513	0.663	3669	4.08	
		100%	20.76	55.19	1145.52	10183	0.779	4256	3.72	
	T-MOTOR 13*6.5 polymer glass fibre	40%	21.89	5.81	127.10	5065	0.170	948	7.46	87 (Ambient Temperature:/)
		50%	21.78	9.91	215.95	6114	0.248	1399	6.48	
		55%	21.52	12.54	269.85	6598	0.287	1645	6.10	
		60%	21.46	15.86	340.48	7106	0.344	1931	5.67	
		65%	21.39	19.26	412.17	7586	0.390	2210	5.36	
		70%	21.34	22.94	489.54	8009	0.438	2487	5.08	
		75%	21.25	27.02	574.18	8404	0.490	2759	4.80	
		80%	21.16	31.58	668.13	8789	0.540	3034	4.54	
		90%	20.98	42.19	885.01	9549	0.651	3626	4.10	
		100%	20.78	54.53	1133.03	10225	0.765	4203	3.71	

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Type	Propeller	Throttle	Voltage (V)	Current (A)	Power (W)	RPM	Torque (N*m)	Thrust (g)	Efficiency (g/W)	Operating Temperature (℃)
AM480 KV900	APC 12*6	40%	14.34	5.63	80.74	4779	0.107	601	7.44	76 (Ambient Temperature:/)
		50%	14.31	9.13	130.68	5732	0.149	882	6.75	
		55%	14.28	11.48	163.84	6219	0.178	1048	6.40	
		60%	14.23	14.13	201.08	6682	0.199	1223	6.08	
		65%	14.15	17.48	247.26	7173	0.238	1430	5.78	
		70%	14.05	20.68	290.54	7573	0.263	1606	5.53	
		75%	13.95	24.17	337.02	7949	0.302	1788	5.30	
		80%	13.89	28.29	393.02	8331	0.332	1984	5.05	
		90%	13.68	37.22	509.29	9023	0.404	2374	4.66	
		100%	13.51	48.17	650.75	9679	0.482	2779	4.27	
	APC 13*6.5	40%	14.54	6.76	98.25	4615	0.137	736	7.49	82 (Ambient Temperature:/)
		50%	14.42	11.41	164.47	5565	0.199	1087	6.61	
		55%	14.35	14.17	203.30	6009	0.221	1279	6.29	
		60%	14.09	17.32	244.04	6392	0.263	1459	5.98	
		65%	13.97	20.90	292.01	6782	0.302	1660	5.69	
		70%	13.97	25.52	356.51	7232	0.343	1912	5.36	
		75%	13.88	29.68	411.95	7577	0.380	2114	5.13	
		80%	13.74	34.24	470.45	7886	0.420	2315	4.92	
		90%	13.53	44.52	602.46	8505	0.498	2718	4.51	
		100%	13.31	56.97	758.50	9086	0.582	3144	4.15	

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Type	Propeller	Throttle	Voltage (V)	Current (A)	Power (W)	RPM	Torque (N*m)	Thrust (g)	Efficiency (g/W)	Operating Temperature (℃)
AM480 KV900	T-MOTOR 13*6.5 polymer carbon	40%	14.55	6.99	101.69	4573	0.141	780	7.67	79 (Ambient Temperature:/)
		50%	14.44	11.77	169.98	5519	0.204	1155	6.79	
		55%	14.37	14.74	211.92	5958	0.241	1358	6.41	
		60%	14.30	18.32	261.94	6404	0.278	1577	6.02	
		65%	14.22	22.28	316.78	6812	0.318	1803	5.69	
		70%	14.13	26.58	375.60	7226	0.363	2036	5.42	
		75%	14.03	30.98	434.79	7565	0.399	2253	5.18	
		80%	13.86	35.52	492.46	7862	0.436	2453	4.98	
		90%	13.56	45.48	616.85	8443	0.505	2841	4.61	
		100%	13.29	57.78	767.81	9000	0.585	3271	4.26	
	T-MOTOR 13*6.5 polymer glass fibre	40%	14.55	6.82	99.29	4580	0.140	768	7.73	80 (Ambient Temperature:/)
		50%	14.44	11.56	166.91	5534	0.205	1127	6.75	
		55%	14.38	14.45	207.71	5976	0.236	1337	6.44	
		60%	14.30	17.93	256.38	6432	0.282	1557	6.07	
		65%	14.22	21.68	308.35	6842	0.315	1776	5.76	
		70%	14.13	26.07	368.38	7256	0.358	2017	5.48	
		75%	14.03	30.32	425.45	7601	0.395	2227	5.24	
		80%	13.84	34.72	480.62	7891	0.428	2420	5.03	
		90%	13.58	44.86	609.38	8491	0.500	2826	4.64	
		100%	13.37	57.04	762.47	9086	0.581	3268	4.29	

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