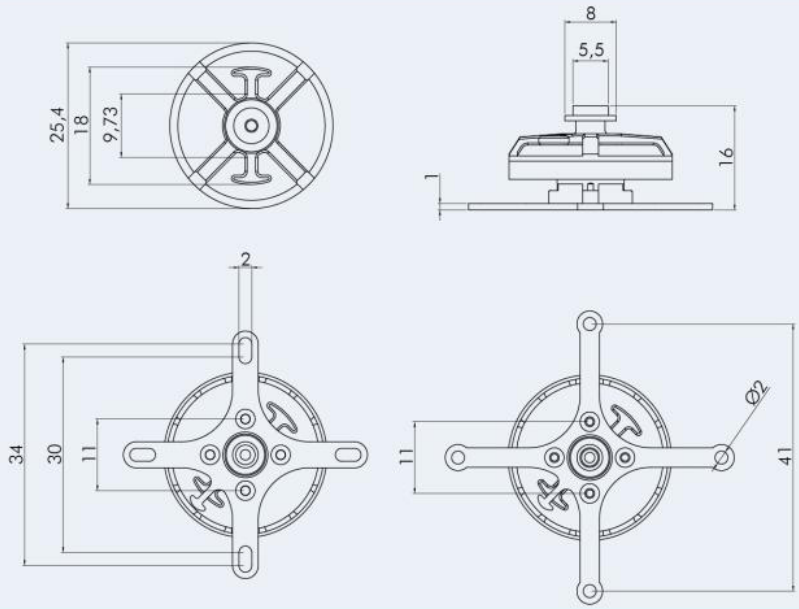
T-Motor AM20pro Technische Daten

Product Drawing



Specifications

Specifications

Test Item	KV1500	Weight (Incl. Cable)	10.1g
Motor Dimensions	Φ25.4*15mm	Internal Resistance	630mΩ
Lead	40mm	Configuration	12N14P
Shaft Diameter	IN：3mm	Rated Voltage(Lipo)	2S
Idle Current(10V)	0.14A	Peak Current(180s)	6A
Max. Power(180s)	67.2W		

Test Item	KV1900	Weight (Incl. Cable)	10.1g
Motor Dimensions	Φ25.4*15mm	Internal Resistance	455mΩ
Lead	40mm	Configuration	12N14P
Shaft Diameter	IN：3mm	Rated Voltage(Lipo)	2S
Idle Current(10V)	0.25A	Peak Current(180s)	6A
Max. Power(180s)	67.2W		

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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 (℃)
T-MOTOR AM20 KV1500	T-MOTOR 10*3.1	30%	8.23	0.34	2.82	1648	0.006	37	13.18	30
		35%	8.23	0.49	4.05	1882	0.007	48	11.91	
		40%	8.22	0.72	5.89	2061	0.009	58	9.85	
		45%	8.22	0.89	7.32	2322	0.010	70	9.61	
		50%	8.22	1.25	10.27	2395	0.011	76	7.38	
		55%	8.22	1.36	11.15	2705	0.014	95	8.55	
		60%	8.21	1.63	13.36	2856	0.015	106	7.95	
		65%	8.20	1.94	15.91	2997	0.017	118	7.41	
		70%	8.19	2.27	18.58	3147	0.019	128	6.92	
		75%	8.19	2.62	21.42	3279	0.020	139	6.50	
		80%	8.17	3.09	25.23	3460	0.022	154	6.11	
		85%	8.17	3.49	28.47	3569	0.024	165	5.80	
		90%	8.16	3.90	31.81	3658	0.025	176	5.52	
		95%	8.15	4.30	35.02	3741	0.026	183	5.23	
		100%	8.14	4.68	38.06	3836	0.027	189	4.98	

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.)

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Type	Propeller	Throttle	Voltage (V)	Current (A)	Power (W)	RPM	Torque (N*m)	Thrust (g)	Efficiency (g/W)	Operating Temperature (℃)
T-MOTOR AM20 KV1900	T-MOTOR 10*3.1	30%	8.22	0.51	4.19	1892	0.007	48	11.37	30
		35%	8.22	0.75	6.19	2126	0.009	60	9.65	
		40%	8.21	1.32	10.86	2032	0.008	54	4.98	
		45%	8.20	1.83	14.97	1938	0.007	49	3.29	
		50%	8.19	2.02	16.51	2361	0.011	74	4.48	
		55%	8.19	1.96	16.02	2928	0.016	112	6.98	
		60%	8.19	2.35	19.22	3086	0.018	125	6.49	
		65%	8.18	2.79	22.79	3226	0.020	137	5.99	
		70%	8.17	3.24	26.45	3345	0.021	147	5.57	
		75%	8.16	3.70	30.20	3468	0.023	158	5.23	
		80%	8.15	4.17	33.94	3580	0.024	167	4.91	
		85%	8.14	4.65	37.80	3677	0.025	175	4.64	
		90%	8.13	5.14	41.75	3760	0.026	183	4.38	
		95%	8.11	5.65	45.82	3820	0.027	190	4.16	
		100%	8.10	6.14	49.72	3887	0.028	196	3.95	

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.)

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