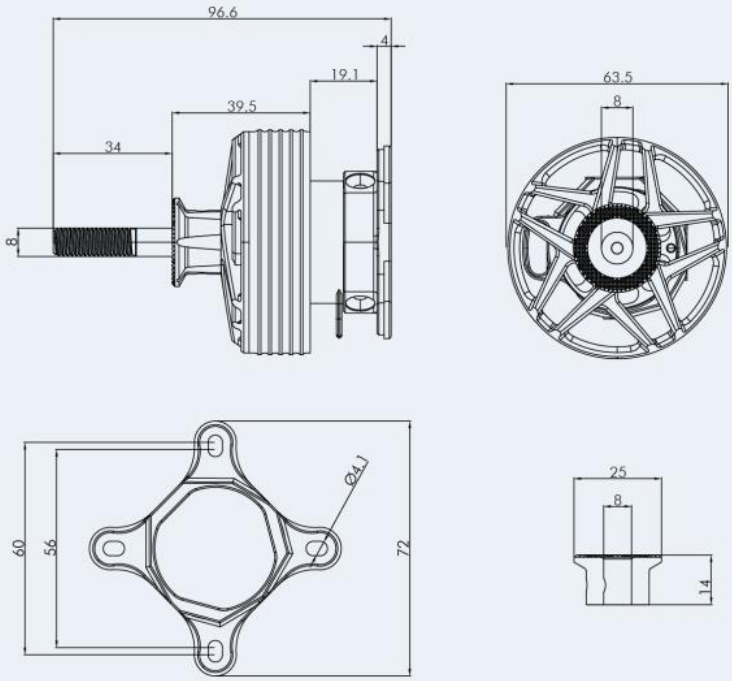
T-Motor AM600 Technische Daten

Product Drawing



Specifications

Specifications

Test Item	KV525	Weight (Incl. Cable)	360g
Motor Dimensions	Φ63.5*96	Internal Resistance	12mΩ
Lead	Enameled Wire*110mm	Configuration	24N20P
Shaft Diameter	IN:8 OUT:8	Recomended battery/voltage	6S (Single battery4.2V) /22-25V
Idle Current(10V)	3.4A	Peak Current(180s)	86A
Max. Power(180s)	1700W	Recomended ESC/Propeller	AM 116A/T16*8
Test Item	KV555	Weight (Incl. Cable)	360g
Motor Dimensions	Φ63.5*96	Internal Resistance	12mΩ
Lead	Enameled Wire*110mm	Configuration	24N20P
Shaft Diameter	IN:8 OUT:8	Recomended battery/voltage	6S (Single battery4.2V) /22-25V
Idle Current(10V)	3.4A	Peak Current(180s)	86A
Max. Power(180s)	1700W	Recomended ESC/Propeller	AM 116A/T16*8

Test Report

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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 (℃)
AM600 KV525	T16*8	40%	22.04	8.85	195.12	4187	0.291	1442	7.39	92℃ (Ambient Temperature:20 ℃)
		42%	22.04	9.88	217.66	4365	0.321	1591	7.31	
		44%	22.02	11.07	243.68	4548	0.350	1731	7.10	
		46%	22.00	12.25	269.56	4718	0.377	1870	6.94	
		48%	21.98	13.58	298.45	4901	0.409	2025	6.78	
		50%	21.96	16.20	355.80	5157	0.457	2270	6.38	
		52%	21.93	17.80	390.44	5323	0.491	2432	6.23	
		54%	21.91	19.84	434.76	5514	0.530	2628	6.04	
		56%	21.89	21.71	475.34	5696	0.568	2819	5.93	
		58%	21.87	23.51	514.16	5857	0.601	2986	5.81	
		60%	21.86	25.29	552.93	6009	0.634	3151	5.70	
		62%	21.83	27.44	599.10	6182	0.675	3347	5.59	
		64%	21.81	29.76	649.06	6362	0.715	3547	5.47	
		66%	21.78	32.33	704.05	6545	0.755	3761	5.34	
		68%	21.75	35.04	762.15	6713	0.806	4009	5.26	
		70%	21.71	37.99	824.83	6902	0.841	4202	5.09	
		72%	21.70	40.48	878.52	7061	0.885	4413	5.02	
		74%	21.66	44.34	960.33	7239	0.940	4686	4.88	
		76%	21.63	47.62	1029.91	7393	0.990	4926	4.78	
		78%	21.60	50.44	1089.24	7524	1.037	5138	4.72	
		80%	21.56	53.85	1161.09	7663	1.088	5372	4.63	
		90%	21.36	72.86	1555.93	8339	1.336	6542	4.20	
		100%	21.14	93.11	1968.04	8950	1.569	7601	3.86	

Note: Motor temperature is motor surface temperature @100% throttle running 10mins.
(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 (℃)
AM600 KV555	T16*8	40%	22.02	10.67	234.91	4422	0.326	1605	6.83	107℃ (Ambient Temperature:20 ℃)
		42%	22.00	11.80	259.56	4615	0.355	1753	6.76	
		44%	21.99	13.06	287.17	4807	0.386	1915	6.67	
		46%	21.96	15.61	342.77	5053	0.430	2127	6.21	
		48%	21.95	17.13	375.85	5232	0.465	2301	6.12	
		50%	21.91	19.26	422.00	5460	0.508	2516	5.96	
		52%	21.91	20.98	459.68	5627	0.543	2684	5.84	
		54%	21.88	23.55	515.39	5842	0.592	2919	5.66	
		56%	21.84	25.72	561.89	6026	0.633	3121	5.55	
		58%	21.82	27.92	609.29	6190	0.673	3314	5.44	
		60%	21.81	29.97	653.60	6345	0.710	3494	5.35	
		62%	21.78	32.63	710.56	6526	0.756	3713	5.23	
		64%	21.74	35.46	771.01	6699	0.803	3938	5.11	
		66%	21.72	38.01	825.82	6866	0.846	4151	5.03	
		68%	21.68	41.41	897.82	7056	0.900	4413	4.92	
		70%	21.65	45.12	977.07	7234	0.959	4686	4.80	
		72%	21.62	48.29	1043.89	7396	1.006	4913	4.71	
		74%	21.57	52.39	1130.02	7577	1.061	5172	4.58	
		76%	21.53	55.87	1202.72	7727	1.111	5408	4.50	
		78%	21.49	59.45	1277.85	7852	1.158	5621	4.40	
		80%	21.45	63.17	1354.71	7997	1.210	5876	4.34	
		90%	21.19	86.00	1822.64	8681	1.498	7152	3.92	
		100%	20.97	110.51	2317.51	9274	1.771	8298	3.58	

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

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