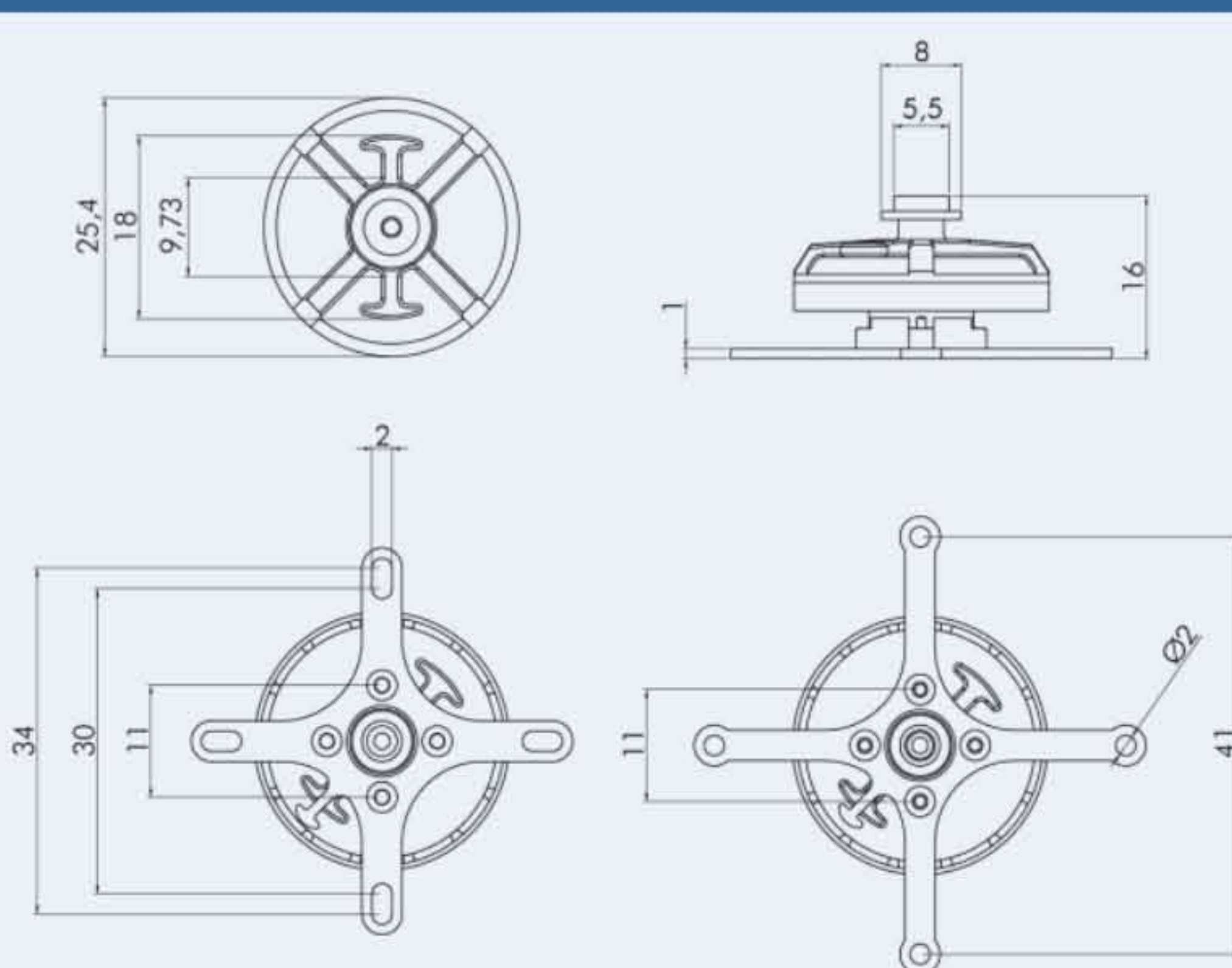


Product Drawing



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)	1-2S
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)	1S
Idle Current(10V)	0.25A	Peak Current(180s)	6A
Max. Power(180s)	67.2W		

Test Report

Type	Propeller	Throttle	Voltage (V)	Current (A)	Power (W)	RPM	Torque (N*m)	Thrust (g)	Efficiency (g/W)	Operating Temperature (°C)
T-MOTOR AM20 1500KV	AP T10*3.1	20%	8.43	0.41	1.08	1181	0.000	22	15.69	30 (Ambient Temperature:/)
		25%	8.43	0.44	1.84	1510	-0.010	31	14.43	
		30%	8.43	0.45	2.85	1779	-0.010	45	13.90	
		35%	8.43	0.45	4.13	2031	-0.010	57	12.60	
		40%	8.42	0.44	5.68	2237	-0.010	65	11.36	
		45%	8.42	0.43	7.65	2452	-0.010	83	10.19	
		50%	8.42	0.34	10.80	2597	-0.010	101	7.97	
		55%	8.41	0.41	11.64	2842	-0.020	107	8.73	
		60%	8.41	0.41	14.08	3012	-0.020	121	8.25	
		65%	8.40	0.40	16.70	3191	-0.020	131	7.55	
		70%	8.40	0.38	19.63	3299	-0.020	143	7.04	
		75%	8.40	0.37	22.49	3438	-0.020	155	6.69	
		80%	8.40	0.36	25.48	3548	-0.020	164	6.24	
		85%	8.39	0.34	28.44	3603	-0.030	169	5.78	
		90%	8.39	0.33	31.42	3730	-0.030	180	5.57	
95%	8.38	0.32	34.76	3807	-0.030	185	5.19			
100%	8.38	0.31	37.73	3901	-0.030	187	4.82			

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.)

Type	Propeller	Throttle	Voltage (V)	Current (A)	Power (W)	RPM	Torque (N*m)	Thrust (g)	Efficiency (g/W)	Operating Temperature (°C)
T-MOTOR AM20 1900KV	AP T10*3.1	20%	8.43	0.19	1.63	1355	0.000	27	13.51	30 (Ambient Temperature:/)
		25%	8.43	0.34	2.89	1707	-0.010	40	12.22	
		30%	8.42	0.54	4.57	2003	-0.010	49	10.78	
		35%	8.42	0.84	7.06	2206	-0.010	60	8.51	
		40%	8.42	1.16	9.78	2449	-0.010	73	7.44	
		45%	8.41	1.39	11.71	2707	-0.010	92	7.63	
		50%	8.40	2.21	18.59	2573	-0.010	99	4.15	
		55%	8.41	2.18	18.33	3045	-0.020	107	5.83	
		60%	8.40	2.54	21.36	3290	-0.020	124	5.79	
		65%	8.40	3.01	25.29	3422	-0.020	135	5.36	
		70%	8.40	3.52	29.52	3524	-0.020	153	5.02	
		75%	8.39	3.98	33.43	3627	-0.020	159	4.64	
		80%	8.38	4.49	37.66	3800	-0.030	168	4.32	
		85%	8.38	4.99	41.78	3809	-0.030	176	4.08	
		90%	8.37	5.50	46.07	3870	-0.030	184	3.86	
95%	8.37	6.01	50.32	3940	-0.030	188	3.64			
100%	8.36	6.50	54.34	4032	-0.030	190	3.41			

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.)

Type	Propeller	Throttle	Voltage (V)	Current (A)	Power (W)	RPM	Torque (N*m)	Thrust (g)	Efficiency (g/W)	Operating Temperature (°C)
T-MOTOR AM20 1900KV	AP T10*3.1	20%	4.22	0.03	0.12	533	0.000	8	29.61	30 (Ambient Temperature:/)
		25%	4.22	0.08	0.32	789	0.000	12	20.68	
		30%	4.22	0.14	0.61	1070	0.000	17	19.26	
		35%	4.22	0.24	1.02	1285	0.000	23	17.59	
		40%	4.22	0.35	1.49	1483	0.000	29	16.28	
		45%	4.22	0.50	2.10	1681	-0.010	37	15.18	
		50%	4.21	0.66	2.78	1806	-0.010	45	14.24	
		55%	4.21	0.86	3.63	1964	-0.010	52	12.84	
		60%	4.21	1.07	4.49	2121	-0.010	58	11.83	
		65%	4.20	1.29	5.44	2260	-0.010	66	11.23	
		70%	4.20	1.54	6.48	2403	-0.010	74	10.43	
		75%	4.20	1.82	7.62	2529	-0.010	80	9.87	
		80%	4.19	2.11	8.83	2641	-0.010	86	9.22	
		85%	4.19	2.41	10.09	2753	-0.010	88	8.70	
		90%	4.19	2.73	11.42	2850	-0.020	100	8.35	
95%	4.18	3.07	12.86	2934	-0.020	107	7.93			
100%	4.18	3.41	14.25	3023	-0.020	111	7.49			

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*1



Parts Bag*1