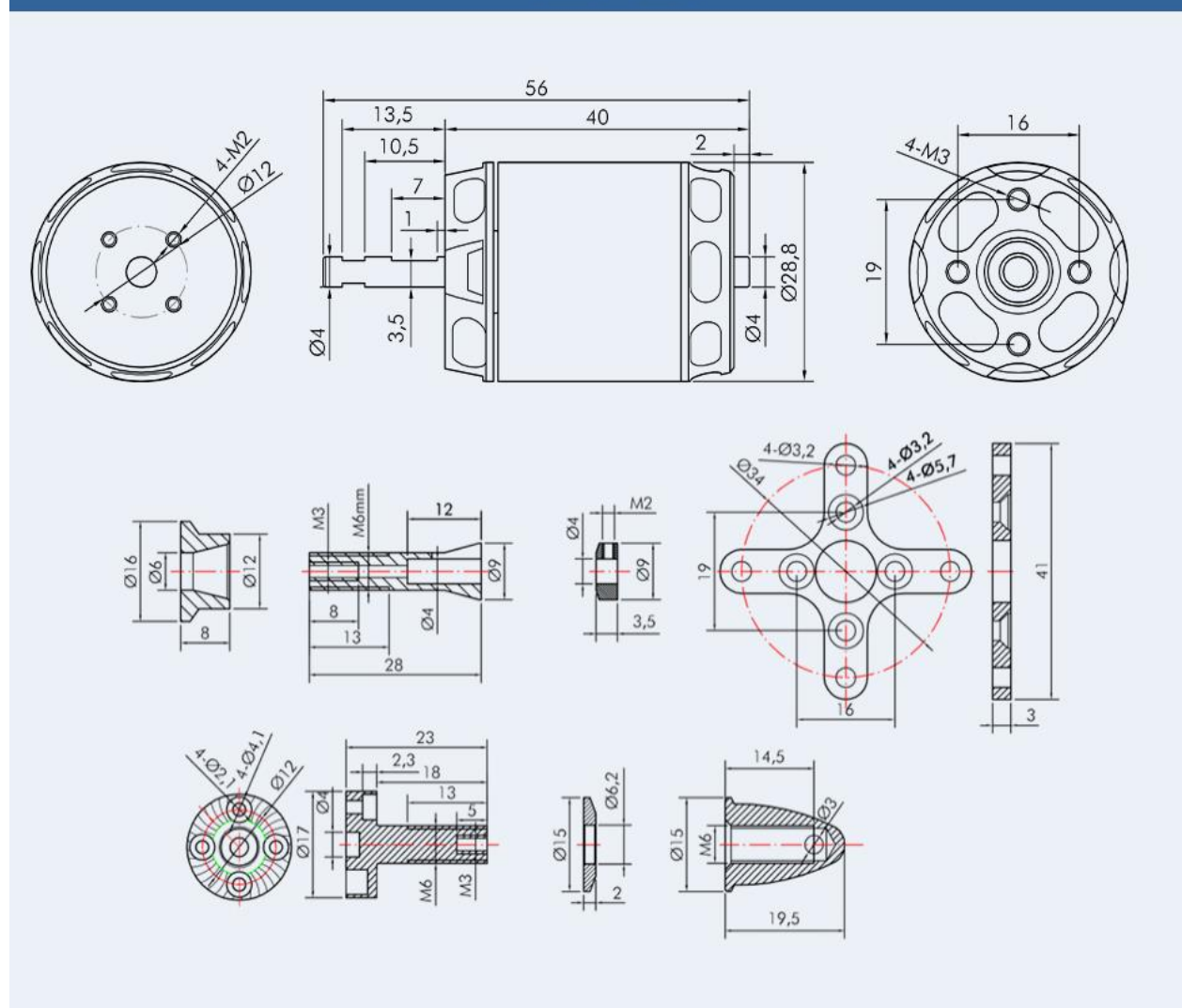


**T-Motor AT2321**

**Specifications**

Test Item	Long Shaft KV950	Weight (Incl. Cable)	93g
Motor Dimensions	Φ28.8*56mm	Internal Resistance	65mΩ
Lead	20#AWG 100mm	Configuration	12N14P
Shaft Diameter	IN: 4mm OUT: 4mm	Rated Voltage(Lipo)	2-4S
Idle Current(10V)	1.2A	Peak Current(180s)	30A
Max. Power(180s)	450W	Recommendation	/
Test Item	Long Shaft KV1250	Weight (Incl. Cable)	94g
Motor Dimensions	Φ28.8*56mm	Internal Resistance	38mΩ
Lead	20#AWG 100mm	Configuration	12N14P
Shaft Diameter	IN: 4mm OUT: 4mm	Rated Voltage(Lipo)	2-4S
Idle Current(10V)	1.8A	Peak Current(180s)	45A
Max. Power(180s)	700W	Recommendation	/

**Product Drawing**



**Continued below**

## Test Report

Type	Propeller	Throttle	Voltage (V)	Current (A)	Power (W)	RPM	Torque (N*m)	Thrust (g)	Efficiency (g/W)	Operating Temperature (°C)
AT2321 Long Shaft KV950	APC 10*4.7	40%	15.19	6.40	97.06	5762	0.108	696	7.17	73 (Ambient Temperature:)
		45%	15.16	7.57	114.61	6108	0.123	789	6.89	
		50%	15.13	8.81	133.17	6428	0.138	874	6.56	
		55%	15.10	10.06	151.81	6723	0.152	957	6.31	
		60%	15.06	11.52	173.62	7044	0.168	1049	6.04	
		65%	15.02	13.40	201.23	7381	0.187	1157	5.75	
		70%	14.97	15.49	231.53	7759	0.208	1271	5.49	
		75%	14.91	17.80	265.19	8101	0.230	1393	5.25	
		80%	14.84	20.77	308.05	8481	0.255	1522	4.94	
		90%	14.66	26.58	389.58	9143	0.299	1752	4.50	
	100%	14.58	28.86	420.61	9378	0.312	1800	4.28		
	APC 11*5.5	40%	15.19	6.32	95.82	5847	0.106	733	7.65	78 (Ambient Temperature:)
		45%	15.16	7.48	113.35	6197	0.120	832	7.34	
		50%	15.14	8.68	131.12	6501	0.134	918	7.00	
		55%	15.11	9.90	149.36	6832	0.148	1001	6.70	
		60%	15.07	11.23	169.11	7131	0.162	1093	6.46	
		65%	15.03	13.00	195.80	7475	0.181	1211	6.19	
		70%	14.98	15.06	225.35	7794	0.201	1327	5.89	
		75%	14.92	17.55	261.64	8090	0.226	1491	5.70	
		80%	14.85	20.35	302.02	8540	0.250	1616	5.35	
		90%	14.67	26.35	386.51	9181	0.297	1860	4.81	
	100%	14.58	28.86	420.71	9379	0.311	1912	4.54		
	APC 11*5.5	40%	11.35	4.34	49.16	4739	0.066	452	9.19	43 (Ambient Temperature:)
		45%	11.33	5.09	57.57	5026	0.075	512	8.89	
		50%	11.31	5.87	66.26	5291	0.083	568	8.58	
		55%	11.29	6.63	74.67	5525	0.091	623	8.34	
		60%	11.28	7.37	83.10	5714	0.100	677	8.15	
		65%	11.26	8.16	91.81	5930	0.107	733	7.98	
		70%	11.23	9.31	104.44	6238	0.119	810	7.76	
		75%	11.19	10.75	120.18	6556	0.132	901	7.50	
80%		11.15	12.50	139.21	6869	0.148	1006	7.23		
90%		11.05	16.72	184.58	7466	0.183	1226	6.64		
100%	11.00	18.72	205.81	7716	0.197	1304	6.34			
APC 12*6	40%	11.41	4.76	54.19	4216	0.080	502	9.27	60 (Ambient Temperature:)	
	45%	11.39	5.64	64.07	4492	0.091	569	8.88		
	50%	11.37	6.55	74.40	4757	0.101	638	8.57		
	55%	11.35	7.54	85.49	5007	0.113	716	8.38		
	60%	11.32	8.58	96.89	5245	0.124	791	8.16		
	65%	11.29	10.04	113.14	5541	0.139	893	7.90		
	70%	11.24	12.02	135.04	5873	0.158	1003	7.43		
	75%	11.20	13.87	155.08	6176	0.176	1123	7.24		
	80%	11.15	16.00	178.16	6472	0.194	1233	6.92		
	90%	11.02	20.97	230.96	7021	0.233	1452	6.28		
100%	10.96	23.04	252.41	7216	0.246	1492	5.91			

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.)

Type	Propeller	Throttle	Voltage (V)	Current (A)	Power (W)	RPM	Torque (N*m)	Thrust (g)	Efficiency (g/W)	Operating Temperature (°C)
AT2321 Long Shaft KV1250	APC 9*6	40%	15.14	11.07	167.64	8299	0.134	794	4.74	92 (Ambient Temperature:)
		45%	15.11	13.07	197.46	8730	0.154	905	4.58	
		50%	15.08	15.44	232.78	9243	0.171	1017	4.37	
		55%	15.05	17.37	261.46	9599	0.186	1100	4.21	
		60%	15.03	19.45	292.22	9927	0.203	1196	4.09	
		65%	15.00	21.44	321.60	10306	0.218	1278	3.97	
		70%	14.96	24.07	360.24	10698	0.240	1398	3.88	
		75%	14.90	29.30	436.49	11380	0.276	1603	3.67	
		80%	14.86	31.72	471.44	11667	0.290	1687	3.58	
		90%	14.74	41.00	604.43	12564	0.341	1958	3.24	
	100%	14.69	44.96	660.44	12786	0.362	2067	3.13		
	APC 10*4.7	40%	11.12	9.22	102.49	5766	0.108	698	6.81	73 (Ambient Temperature:)
		45%	11.07	10.86	120.07	6088	0.123	793	6.61	
		50%	11.02	12.61	138.77	6395	0.137	874	6.29	
		55%	10.97	14.34	157.08	6679	0.151	959	6.10	
		60%	10.91	16.26	177.18	6969	0.165	1055	5.95	
		65%	10.84	18.77	203.25	7320	0.183	1158	5.70	
		70%	10.76	21.36	229.56	7649	0.200	1264	5.51	
		75%	10.66	24.15	257.38	7973	0.219	1372	5.33	
		80%	10.54	27.55	290.28	8206	0.238	1503	5.18	
		90%	10.23	34.66	354.51	8838	0.273	1726	4.87	
	100%	10.09	37.07	373.86	8886	0.284	1794	4.80		
	APC 11*5.5	40%	10.95	8.88	97.23	5799	0.103	697	7.17	75 (Ambient Temperature:)
		45%	10.90	10.45	113.73	6130	0.116	789	6.94	
		50%	10.85	12.11	131.25	6443	0.130	873	6.65	
		55%	10.80	13.72	147.98	6724	0.142	959	6.48	
		60%	10.75	15.41	165.61	6999	0.155	1040	6.28	
		65%	10.69	17.67	188.71	7332	0.172	1145	6.07	
		70%	10.62	20.19	213.94	7655	0.189	1257	5.87	
		75%	10.54	23.01	242.29	7959	0.207	1383	5.71	
80%		10.43	26.42	275.42	8264	0.229	1512	5.49		
90%		10.13	34.12	345.25	8723	0.269	1761	5.10		
100%	10.01	36.38	364.02	8854	0.280	1852	5.09			

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.)

## Contents



Motor×1



Parts Bag×1

(Rubber WasherM6\*12\*2mm\*1,Prop adapter  $\phi$  17\*24mm-M6\*1,Washer (Non-slip design) 15\*6.2\*2mm \*2,M6 Bullet connector\*1,Cup-head set screwM2\*6mm\*4,Motor base  $\phi$  16\*8mm\*1, 4 to 6 Collet-style prop adapter $\phi$ 9\*28\*1,M6 Nut\*1, C-Clips  $\phi$ 9\*4\*3.5mm\*1,Hexagon set screwM2\*2.5mm\*2,Cross style motor mount19\*16\*3MM\*1, Mount screwsM3\*6mm\*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 [onsales@rctigermotor.com](mailto:onsales@rctigermotor.com)