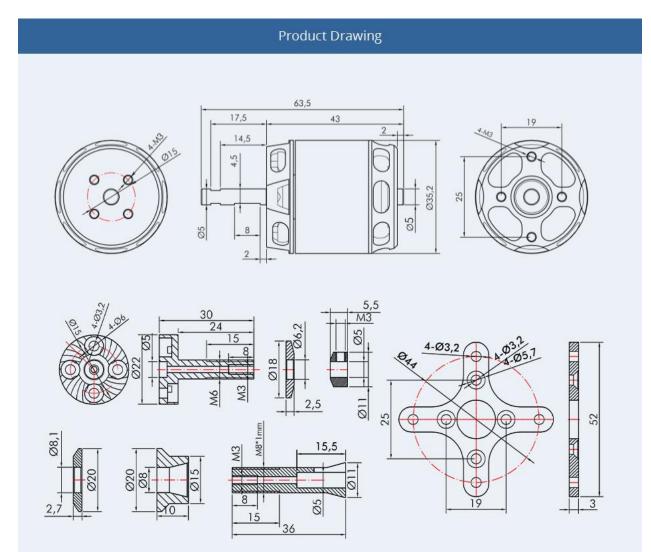
T-Motor AT2820



Specifications

	Test It	em	Long Shaft	KV880		Weight (Inc	l. Cable)	139g			
								-	-		
M	Motor Dimensions		Ф35.2*63.5mm			Internal Resistance		39mΩ	39mΩ		
	Lead		Enameled V	Vire 100mn	n	Configuration		12N14F	0		
	Shaft Diameter		IN: 5mm OUT: 5mn	n		Rated Voltage(Lipo)		3-45	3-45		
l	Idle Current(10V)		1.6A			Peak Current(180s)		45A	45A		
М	Max. Power(180s)		700W			Recommendation		/			
			700W			neconnic		•)			
	Test Item		Long Shaft KV1050			Weight (Incl. Cable)		139g			
М	otor Dimensi	ons	Ф35.2*63.5	Smm		Internal Resistance		28mΩ			
	1	ead	Enameled V	Vire 100mn	n	Config	guration	12N14F	, ,		
	Shaft Diam		IN: 5mm								
			OUT: 5mn	n		Rated Volta		3-45			
1	dle Current(1	0V)	2.0A			Peak Curre	nt(180s)	65A			
М	lax. Power(18	0s)	900W			Recomme	ndation	/			
			long the t	10/1252		Matel + 0		4.44			
	Test It		Long Shaft			Weight (Incl. Cable)		141g			
М	otor Dimensi	ons	Ф35.2*63.5mm			Internal Resistance		16mΩ			
	L	ead	Enameled Wire 100mm			Configuration		12N14F	0		
	Shaft Diam	eter	IN: 5mm OUT: 5mm			Rated Voltage(Lipo)		<mark>3-4</mark> 5			
10	dle Current(1	0V)	2.7A			Peak Current(180s)		70A			
М	lax. Power(18	(0s)	1000W			Recommendation		1			
					Test Re	nort					
					Test Re	port				Operating	
Туре	Propeller	Throttle	Voltage (V)	Current (A)	Test Re Power (W)	port _{RPM}	Torque (N*m)	Thrust (g)	Efficiency (g/W)	Operating Temperature (°C)	
Туре	Propeller	Throttle 40%			Power					Temperature	
Туре	Propeller		(V)	(A)	Power (W)	RPM	(N*m)	(g)	(g/W)	Temperature	
Туре	Propeller	40%	(V)	(A) 8.76	Power (W) 132.79	RPM	(N*m) 0.152	(g) 856	(g/W) 6.44	Temperature	
Туре	Propeller	40% 45%	(V) 15.15 15.12	(A) 8.76 10.26	Power (W) 132.79 155.22	RPM 5981 6333	(N*m) 0.152 0.171	(g) 856 955	(g/W) 6.44 6.15	Temperature	
Туре		40% 45% 50%	(V) 15.15 15.12 15.10	(A) 8.76 10.26 11.91	Power (W) 132.79 155.22 179.75	RPM 5981 6333 6675	(N*m) 0.152 0.171 0.190	(g) 856 955 1064	(g/W) 6.44 6.15 5.92	Temperature (°C)	
Туре	APC	40% 45% 50% 55%	(V) 15.15 15.12 15.10 15.07	(A) 8.76 10.26 11.91 13.53	Power (W) 132.79 155.22 179.75 203.93	RPM 5981 6333 6675 6990	(N*m) 0.152 0.171 0.190 0.209	(g) 856 955 1064 1162	(g/W) 6.44 6.15 5.92 5.70	Temperature (°C) 93 (Ambient	
Туре		40% 45% 50% 55% 60%	(V) 15.15 15.12 15.10 15.07 15.04	 (A) 8.76 10.26 11.91 13.53 15.15 	Power (W) 132.79 155.22 179.75 203.93 227.85	RPM 5981 6333 6675 6990 7255	(N*m) 0.152 0.171 0.190 0.209 0.227	(g) 856 955 1064 1162 1266	(g/W) 6.44 6.15 5.92 5.70 5.56	Temperature (°C) 93	
Туре	APC	40% 45% 50% 55% 60% 65%	(V) 15.15 15.12 15.10 15.07 15.04 15.00	 (A) 8.76 10.26 11.91 13.53 15.15 17.47 	Power (W) 132.79 155.22 179.75 203.93 227.85 261.99	RPM 5981 6333 6675 6990 7255 7596	(N*m) 0.152 0.171 0.190 0.209 0.227 0.245	(g) 856 955 1064 1162 1266 1390	(g/W) 6.44 6.15 5.92 5.70 5.56 5.30	Temperature (°C) 93 (Ambient	
Туре	APC	40% 45% 50% 55% 60% 65% 70%	 (V) 15.15 15.12 15.10 15.07 15.04 15.00 14.96 	 (A) 8.76 10.26 11.91 13.53 15.15 17.47 20.06 	Power (W) 132.79 155.22 179.75 203.93 227.85 261.99 300.02	RPM 5981 6333 6675 6990 7255 7596 7975	(N*m) 0.152 0.171 0.190 0.209 0.227 0.245 0.278	(g) 856 955 1064 1162 1266 1390 1543	(g/W) 6.44 6.15 5.92 5.70 5.56 5.30 5.14	Temperature (°C) 93 (Ambient	
Туре	APC	40% 45% 50% 55% 60% 65% 70% 75%	 (V) 15.15 15.12 15.10 15.07 15.04 15.00 14.96 14.91 	 (A) 8.76 10.26 11.91 13.53 15.15 17.47 20.06 23.03 	Power (W) 132.79 155.22 179.75 203.93 227.85 261.99 300.02 343.28	RPM 5981 6333 6675 6990 7255 7596 7975 8330	(N*m) 0.152 0.171 0.190 0.209 0.227 0.245 0.278 0.312	(g) 856 955 1064 1162 1266 1390 1543 1707	(g/W) 6.44 6.15 5.92 5.70 5.56 5.30 5.14 4.97	Temperature (°C) 93 (Ambient	
Туре	APC	40% 45% 50% 60% 65% 70% 75% 80%	 (V) 15.15 15.12 15.10 15.07 15.04 15.00 14.96 14.91 14.84 	 (A) 8.76 10.26 11.91 13.53 15.15 17.47 20.06 23.03 26.77 	Power (W) 132.79 155.22 179.75 203.93 227.85 261.99 300.02 343.28 397.30	RPM 5981 6333 6675 6990 7255 7596 7975 8330 8709	(N*m) 0.152 0.171 0.190 0.209 0.227 0.245 0.245 0.278 0.312 0.348	(g) 856 955 1064 1162 1266 1390 1543 1707 1893	(g/W) 6.44 6.15 5.92 5.70 5.56 5.30 5.14 4.97 4.77	Temperature (°C) 93 (Ambient	
Туре	APC	40% 45% 50% 60% 65% 70% 75% 80% 90%	 (V) 15.15 15.12 15.10 15.07 15.04 15.00 14.96 14.91 14.84 14.70 	 (A) 8.76 10.26 11.91 13.53 15.15 17.47 20.06 23.03 26.77 35.62 	Power (W) 132.79 155.22 179.75 203.93 227.85 261.99 300.02 343.28 397.30 523.47	RPM 5981 6333 6675 6990 7255 7596 7975 8330 8709 9448	(N*m) 0.152 0.171 0.190 0.209 0.227 0.245 0.278 0.312 0.348 0.312	(g) 856 955 1064 1162 1266 1390 1543 1707 1893 2275	(g/W) 6.44 6.15 5.92 5.70 5.56 5.30 5.14 4.97 4.77 4.35	Temperature (°C) 93 (Ambient	
Туре	APC	40% 45% 50% 60% 65% 70% 75% 80% 90% 100%	 (V) 15.15 15.12 15.10 15.07 15.04 15.00 14.96 14.91 14.84 14.70 14.64 	 (A) 8.76 10.26 11.91 13.53 15.15 17.47 20.06 23.03 26.77 35.62 39.03 	Power (W) 132.79 155.22 179.75 203.93 227.85 261.99 300.02 343.28 397.30 523.47 571.30	RPM 5981 6333 6675 6990 7255 7596 7975 8330 8709 9448 9685	(N*m) 0.152 0.171 0.190 0.209 0.227 0.245 0.278 0.278 0.312 0.348 0.312 0.348	(g) 856 955 1064 1162 1266 1390 1543 1707 1893 2275 2362	(g/W) 6.44 6.15 5.92 5.70 5.56 5.30 5.14 4.97 4.77 4.35 4.13	Temperature (°C) 93 (Ambient	
Туре	APC	40% 45% 50% 65% 65% 70% 75% 80% 90% 100%	 (V) 15.15 15.12 15.10 15.07 15.04 15.04 15.00 14.96 14.91 14.84 14.70 14.64 15.15 	 (A) 8.76 10.26 11.91 13.53 15.15 17.47 20.06 23.03 26.77 35.62 39.03 8.88 	Power (W) 132.79 155.22 179.75 203.93 227.85 261.99 300.02 343.28 397.30 523.47 571.30	RPM 5981 6333 6675 6990 7255 7596 7975 8330 8709 9448 9685 5738	(N*m) 0.152 0.171 0.190 0.209 0.227 0.245 0.278 0.312 0.348 0.312 0.348 0.415 0.443 0.157	(g) 856 955 1064 1162 1266 1390 1543 1707 1893 2275 2362 946	(g/W) 6.44 6.15 5.92 5.70 5.56 5.30 5.14 4.97 4.77 4.35 4.13 7.04	Temperature (°C) 93 (Ambient	
Туре	APC	40% 45% 50% 60% 65% 70% 75% 80% 90% 100% 40%	 (V) 15.15 15.12 15.10 15.07 15.04 15.04 15.00 14.96 14.91 14.84 14.70 14.64 15.15 15.12 	 (A) 8.76 10.26 11.91 13.53 15.15 17.47 20.06 23.03 26.77 35.62 39.03 8.88 10.58 	Power (W) 132.79 155.22 179.75 203.93 227.85 261.99 300.02 343.28 397.30 523.47 571.30 134.43	RPM 5981 6333 6675 6990 7255 7596 7975 8330 8709 9448 9685 5738 6114	(N*m) 0.152 0.171 0.190 0.209 0.227 0.245 0.278 0.312 0.312 0.348 0.415 0.443 0.157 0.176	(g) 856 955 1064 1162 1266 1390 1543 1707 1893 2275 2362 946 1077	(g/W) 6.44 6.15 5.92 5.70 5.56 5.30 5.14 4.97 4.97 4.35 4.13 7.04 6.73	Temperature (°C) 93 (Ambient	
Туре	APC	40% 45% 50% 60% 65% 70% 75% 80% 90% 100% 40% 45%	 (V) 15.15 15.12 15.10 15.07 15.04 15.00 14.96 14.91 14.84 14.70 14.64 15.15 15.12 15.09 	 (A) 8.76 10.26 11.91 13.53 15.15 17.47 20.06 23.03 26.77 35.62 39.03 8.88 10.58 12.29 	Power (W) 132.79 155.22 179.75 203.93 227.85 261.99 300.02 343.28 397.30 523.47 571.30 134.43 159.95 185.48	RPM 5981 6333 6675 6990 7255 7596 7975 8330 8709 9448 9685 5738 6114 6461	(N*m) 0.152 0.171 0.190 0.209 0.227 0.245 0.245 0.278 0.312 0.348 0.415 0.443 0.157 0.176 0.195	(g) 856 955 1064 1162 1266 1390 1543 1707 1893 2275 2362 946 1077 1194	(g/W) 6.44 6.15 5.92 5.70 5.56 5.30 5.14 4.97 4.77 4.35 4.13 7.04 6.73 6.74	Temperature (°C) 93 (Ambient	
Туре	APC 11*7	40% 45% 50% 65% 60% 70% 70% 80% 90% 100% 40% 45% 50%	 (V) 15.15 15.12 15.10 15.07 15.04 15.04 15.04 14.96 14.91 14.84 14.70 14.64 15.15 15.12 15.09 15.06 	 (A) 8.76 10.26 11.91 13.53 15.15 17.47 20.06 23.03 26.77 35.62 39.03 8.88 10.58 12.29 14.01 15.95 	Power (W) 132.79 155.22 179.75 203.93 227.85 261.99 300.02 343.28 397.30 523.47 571.30 134.43 159.95 185.48 211.03 239.66	RPM 5981 6333 6675 6990 7255 7596 7975 8330 8709 9448 9685 5738 6114 6461 6734 7033	(N*m) 0.152 0.171 0.190 0.209 0.227 0.245 0.245 0.278 0.312 0.348 0.415 0.443 0.157 0.176 0.195 0.215 0.242	(g) 856 955 1064 1162 1266 1390 1543 1707 1893 2275 2362 946 1077 1194 1320 1437	(g/W) 6.44 6.15 5.92 5.70 5.56 5.30 5.14 4.97 4.35 4.13 7.04 6.73 6.44 6.25	93 (Ambient Temperature:/)	
Туре	APC 11*7	40% 45% 50% 60% 65% 70% 75% 80% 75% 80% 100% 40% 45% 50% 55% 60%	 (V) 15.15 15.12 15.10 15.07 15.04 15.04 15.04 14.96 14.91 14.84 14.70 14.64 15.15 15.12 15.09 15.06 15.03 14.98 	 (A) 8.76 10.26 11.91 13.53 15.15 17.47 20.06 23.03 26.77 35.62 39.03 8.88 10.58 12.29 14.01 15.95 18.74 	Power (W) 132.79 155.22 179.75 203.93 227.85 261.99 300.02 343.28 397.30 523.47 571.30 134.43 159.95 185.48 211.03 239.66	RPM 5981 6333 6675 6990 7255 7596 7975 8330 8709 9448 9685 5738 6114 6461 6734 7033 7422	(N*m) 0.152 0.171 0.209 0.227 0.245 0.278 0.312 0.312 0.348 0.415 0.443 0.157 0.157 0.176 0.195 0.215 0.242 0.270	 (g) 856 955 1064 1162 1266 1390 1543 1707 1893 2275 2362 946 1077 1194 1320 1437 1616 	(g/W) 6.44 6.15 5.92 5.70 5.56 5.30 5.14 4.97 4.35 4.13 7.04 6.73 6.44 6.25 6.00 5.76	Temperature (°C) 93 (Ambient	
Туре	APC 11*7	40% 45% 50% 60% 65% 70% 75% 80% 90% 100% 40% 40% 55% 60% 65% 70%	 (V) 15.15 15.12 15.10 15.07 15.04 15.00 14.96 14.91 14.84 14.70 14.64 15.15 15.12 15.09 15.06 15.03 14.98 14.93 	 (A) 8.76 10.26 11.91 13.53 15.15 17.47 20.06 23.03 26.77 35.62 39.03 8.88 10.58 12.29 14.01 15.95 18.74 21.84 	Power (W) 132.79 155.22 179.75 203.93 227.85 261.99 300.02 343.28 397.30 523.47 571.30 134.43 159.95 135.48 211.03 239.66 280.67 326.02	RPM 5981 6333 6675 6990 7255 7596 75975 8330 8709 9448 9685 5738 6114 6461 6734 7033 7422 7801	 (N*m) 0.152 0.171 0.190 0.209 0.227 0.245 0.245 0.278 0.312 0.348 0.415 0.443 0.157 0.176 0.176 0.195 0.215 0.242 0.270 0.303 	 (g) 856 955 1064 1162 1266 1390 1543 1707 1893 2275 2362 946 1077 1194 1320 1437 1616 1793 	(g/W) 6.44 6.15 5.92 5.70 5.56 5.30 5.14 4.97 4.97 4.35 4.13 7.04 6.73 6.44 6.25 6.00 5.76 5.50	93 (Ambient Temperature:/)	
Туре	APC 11*7	40% 45% 50% 60% 65% 70% 80% 70% 80% 100% 40% 40% 45% 50% 55% 60% 65% 60%	 (V) 15.15 15.12 15.10 15.07 15.04 15.04 15.04 14.96 14.91 14.84 14.70 14.64 15.15 15.12 15.09 15.06 15.03 14.98 14.93 14.87 	 (A) 8.76 10.26 11.91 13.53 15.15 17.47 20.06 23.03 26.77 35.62 39.03 8.88 10.58 12.29 14.01 15.95 18.74 21.84 25.25 	Power (W) 132.79 155.22 179.75 203.93 227.85 261.99 300.02 343.28 397.30 523.47 571.30 134.43 159.95 185.48 211.03 239.66 280.67 326.02 375.36	RPM 5981 6333 6675 6990 7255 7596 7975 8330 8709 9448 9685 5738 6114 6461 6734 7033 7422 7801 8141	(N*m) 0.152 0.171 0.209 0.227 0.245 0.278 0.312 0.348 0.415 0.443 0.415 0.443 0.157 0.157 0.176 0.195 0.215 0.215 0.242 0.270 0.303 0.337	 (g) 856 955 1064 1162 1266 1390 1543 1707 1893 2275 2362 946 1077 1194 1320 1437 1616 1793 1992 	(g/W) 6.44 6.15 5.92 5.70 5.56 5.30 5.14 4.97 4.77 4.35 4.13 7.04 6.73 6.44 6.25 6.00 5.76 5.50 5.50 5.50	93 (Ambient Temperature:/)	
Туре	APC 11*7	40% 45% 50% 60% 65% 70% 75% 80% 100% 40% 40% 45% 50% 55% 60% 65% 60% 65% 70% 80%	 (V) 15.15 15.12 15.10 15.07 15.04 15.04 14.96 14.91 14.84 14.70 14.64 15.15 15.12 15.09 15.06 15.03 14.98 14.93 14.87 14.80 	 (A) 8.76 10.26 11.91 13.53 15.15 17.47 20.06 23.03 26.77 35.62 39.03 8.88 10.58 12.29 14.01 15.95 18.74 21.84 25.25 29.60 	Power (W) 132.79 155.22 179.75 203.93 227.85 261.99 300.02 343.28 397.30 523.47 571.30 134.43 159.95 185.48 211.03 239.66 280.67 375.36 438.01	RPM 5981 6333 6675 6990 7255 7596 7975 8330 8709 9448 9685 5738 6114 6461 6734 7033 7422 7801 8514	 (N*m) 0.152 0.171 0.190 0.209 0.227 0.245 0.245 0.278 0.312 0.348 0.415 0.443 0.157 0.176 0.176 0.195 0.215 0.242 0.270 0.303 0.337 0.382 	 (g) 856 955 1064 1162 1266 1390 1543 1707 1893 2275 2362 946 1077 1194 1320 1437 1616 1793 1992 2230 	(g/W) 6.44 6.15 5.92 5.70 5.56 5.30 5.14 4.97 4.35 4.13 7.04 6.73 6.44 6.25 6.00 5.76 5.50 5.31 5.09	93 (Ambient Temperature:/)	
	APC 11*7	40% 45% 50% 60% 65% 70% 80% 90% 100% 40% 40% 45% 50% 55% 60% 65% 60% 65% 70% 80% 75% 80%	 (V) 15.15 15.12 15.10 15.07 15.04 15.00 14.96 14.91 14.84 14.70 14.64 15.15 15.12 15.09 15.06 15.03 14.98 14.93 14.87 14.80 14.66 	 (A) 8.76 10.26 11.91 13.53 15.15 17.47 20.06 23.03 26.77 35.62 39.03 8.88 10.58 10.58 12.29 14.01 15.95 18.74 21.84 25.25 29.60 37.97 	Power (W) 132.79 155.22 179.75 203.93 227.85 261.99 300.02 343.28 397.30 523.47 571.30 134.43 159.95 185.48 211.03 239.66 326.02 375.36 438.01 556.43	RPM 5981 6333 6675 6990 7255 7596 7975 8330 8709 9448 9685 5738 6114 6461 6734 7033 7422 7801 8141 8514 9174	 (N*m) 0.152 0.171 0.190 0.209 0.227 0.245 0.245 0.245 0.312 0.348 0.415 0.443 0.157 0.176 0.176 0.176 0.195 0.215 0.242 0.270 0.303 0.337 0.382 0.444 	(g) 856 955 1064 1162 1266 1390 1543 1707 1893 2275 2362 946 1077 1893 1077 1194 1320 1437 1616 1793 1992 2230 2596	(g/W) 6.44 6.15 5.92 5.70 5.56 5.30 5.14 4.97 4.97 4.35 4.13 7.04 6.73 6.44 6.25 6.00 5.76 5.50 5.31 5.09 4.67	93 (Ambient Temperature:/)	
AT2820 Long Shaft	APC 11*7	40% 45% 50% 60% 65% 70% 75% 80% 100% 40% 40% 45% 50% 60% 65% 60% 65% 70% 65% 80% 75% 80% 100%	 (V) 15.15 15.12 15.10 15.07 15.04 15.04 15.04 14.96 14.91 14.84 14.70 14.84 15.15 15.12 15.06 15.06 15.03 14.98 14.93 14.87 14.80 14.66 14.59 	 (A) 8.76 10.26 11.91 13.53 15.15 17.47 20.06 23.03 26.77 35.62 39.03 8.88 10.58 10.58 12.29 14.01 15.95 18.74 25.25 29.60 37.97 42.00 	Power (W) 132.79 155.22 179.75 203.93 227.85 261.99 300.02 343.28 397.30 523.47 571.30 134.43 159.95 185.48 211.03 239.66 280.67 326.02 326.02 325.36 2375.36 438.01 556.43	RPM 5981 6333 6675 6990 7255 7596 7975 8330 8709 9448 9685 5738 6114 6461 6734 7033 7422 7801 8141 8514 9174 9413	 (N*m) 0.152 0.171 0.209 0.227 0.245 0.278 0.312 0.312 0.348 0.415 0.443 0.157 0.176 0.195 0.215 0.215 0.215 0.242 0.270 0.303 0.337 0.382 0.444 0.472 	(g) 856 955 1064 1162 1266 1390 1543 1707 1893 2275 2362 946 1077 1194 1320 1437 1616 1793 1992 2230 2596 2755	(g/W) 6.44 6.15 5.92 5.70 5.56 5.30 5.14 4.97 4.37 4.35 4.13 7.04 6.73 6.44 6.25 6.00 5.76 5.50 5.31 5.09 4.67 3.09 4.67 4.50	93 (Ambient Temperature:/)	
AT2820	APC 11*7	40% 45% 50% 60% 65% 70% 80% 90% 100% 40% 40% 45% 50% 55% 60% 65% 60% 65% 70% 80% 75% 80%	 (V) 15.15 15.12 15.10 15.07 15.04 15.00 14.96 14.91 14.84 14.70 14.64 15.15 15.12 15.09 15.06 15.03 14.98 14.93 14.87 14.80 14.66 	 (A) 8.76 10.26 11.91 13.53 15.15 17.47 20.06 23.03 26.77 35.62 39.03 8.88 10.58 10.58 12.29 14.01 15.95 18.74 21.84 25.25 29.60 37.97 	Power (W) 132.79 155.22 179.75 203.93 227.85 261.99 300.02 343.28 397.30 523.47 571.30 134.43 159.95 185.48 211.03 239.66 326.02 375.36 438.01 556.43	RPM 5981 6333 6675 6990 7255 7596 7975 8330 8709 9448 9685 5738 6114 6461 6734 7033 7422 7801 8141 8514 9174	 (N*m) 0.152 0.171 0.190 0.209 0.227 0.245 0.245 0.245 0.312 0.348 0.415 0.443 0.157 0.176 0.176 0.176 0.195 0.215 0.242 0.270 0.303 0.337 0.382 0.444 	(g) 856 955 1064 1162 1266 1390 1543 1707 1893 2275 2362 946 1077 1893 1077 1194 1320 1437 1616 1793 1992 2230 2596	(g/W) 6.44 6.15 5.92 5.70 5.56 5.30 5.14 4.97 4.97 4.35 4.13 7.04 6.73 6.44 6.25 6.00 5.76 5.50 5.31 5.09 4.67	93 (Ambient Temperature:/)	

	50%	11.36	9.29	105.54	4692	0.132	831	7.87	81 (Ambient Temperature:/)
	55%	11.34	10.67	120.98	4951	0.148	923	7.63	
	60%	11.31	12.23	138.37	5211	0.167	1026	7.42	
APC 13*6.5	65%	11.28	14.17	159.82	5524	0.189	1143	7.15	
	70%	11.23	16.88	189.66	5862	0.216	1303	6.87	
	75%	11.18	19.77	221.17	6162	0.245	1450	6.56	
	80%	11.14	22.83	254.25	6464	0.274	1614	6.35	
	90%	11.02	29.90	329.38	7018	0.332	1922	5.84	
	100%	10.97	32.73	359.09	7225	0.349	2039	5.68	
	40%	11.39	7.12	81.15	3856	0.135	708	8.73	94 (Ambient Temperature:/)
	45%	11.37	8.37	95.19	4090	0.151	796	8.36	
	50%	11.35	9.86	111.92	4326	0.172	900	8.04	
	55%	11.32	11.67	132.04	4557	0.197	1023	7.75	
	60%	11.27	14.49	163.33	4905	0.229	1188	7.27	
APC 14*7	65%	11.22	17.27	193.82	5238	0.259	1341	6.92	
	70%	11.17	20.42	228.16	5515	0.292	1504	6.59	
	75%	11.11	24.03	266.95	5807	0.326	1678	6.29	
	80%	11.04	28.30	312.38	6093	0.365	1864	5.97	
	90%	10.91	36.09	393.87	6534	0.424	2154	5.47	
	100%	10.86	39.48	428.63	6691	0.447	2269	5.29	

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.)

Туре	Propeller	Throttle	Voltage (V)	Current (A)	Power (W)	RPM	Torque (N*m)	Thrust (g)	Efficiency (g/W)	Operating Temperature (°C)
		40%	15.10	11.63	175.58	7044	0.168	1045	5.95	96 (Ambient Temperature:/)
		45%	15.06	13.78	207.57	7454	0.192	1184	5.71	
	APC 11*5.5	50%	15.02	16.06	241.26	7836	0.213	1314	5.44	
		55%	14.98	18.36	275.07	8161	0.235	1448	5.27	
		60%	14.94	20.74	309.94	8483	0.253	1577	5.09	
		65%	14.91	22.92	341.60	8741	0.277	1699	4.97	
		70%	14.85	25.91	384.80	9093	0.302	1847	4.80	
		75%	14.78	30.29	447.71	9548	0.343	2070	4.62	
		80%	14.71	34.91	513,46	9976	0.379	2266	4.41	
		90%	14.53	45.49	661.09	10726	0.459	2691	4.07	
		100%	14.42	52.39	755.33	11048	0.502	2860	3.79	
		40%	15.08	12.57	189.55	6316	0.197	1034	5.46	
		45%	15.03	15.40	231.52	6775	0.228	1190	5.14	
		50%	14.99	17.93	268.71	7162	0.254	1324	4.93	
		55%	14.94	20.73	309.74	7452	0.282	1476	4.77	
	APC	60%	14.89	23.85	355.09	7826	0.311	1615	4.55	
	11*8	65%	14.82	27.90	413.55	8247	0.347	1789	4.33	нот
		70%	14.77	31.10	459.34	8570	0.375	1931	4.20	
		75%	14.68	36.36	533.78	8998	0.419	2135	4.00	
		80%	14.59	42.03	613.13	9405	0.460	2331	3.80	
		90%	14.39	54.37	782.26	10043	0.547	2695	3.45	
AT2820 Long Shaft		100%	14.28	60.78	867.87	10356	0.581	2823	3.25	
KV1050		40%	11.35	8.84	100.36	5187	0.129	765	7.62	
		45%	11.32	10.43	118.07	5476	0.147	864	7.32	
		50%	11.29	12.23	138.14	5790	0.165	969	7.01	
		55%	11.26	13.94	156.96	6095	0.181	1064	6.78	
	400	60%	11.23	15.61	175.35	6344	0.197	1161	6.62	82
	APC 12*6	65%	11.20	17.40	194.97	6609	0.212	1249	6.41	(Ambient
		70%	11.16	20.23	225.72	6963	0.237	1399	6.20	Temperature:/)
		75%	11.11	23.16	257.21	7254	0.262	1539	5.98	
		80%	11.04	27.34	301.75	7636	0.297	1739	5.76	
		90%	10.90	35.69	389.18	8269	0.356	2077	5.34	
		100%	10.83	40.02	433.53	8549	0.385	2215	5.11	
		40%	11.34	<mark>9</mark> .19	104.22	4624	0.147	809	7.76	
		45%	11.31	11.11	125.63	4954	0.168	931	7.41	97
		50%	11.27	13.29	149.84	5268	0.191	1063	7.10	
		55%	11.24	15.42	173.28	5508	0.214	1192	6.88	
		60%	11.21	17.51	196.23	5788	0.235	1303	6.64	
	APC 13*6.5	65%	11.14	21.32	237.42	6161	0.268	1487	6.26	(Ambient
		70%	11.08	24.78	274.57	6470	0.301	1667	6.07	Temperature:/)
		75%	11.01	28.76	316.76	6814	0.329	1833	5.79	
		80%	10.94	33.15	362.71	7140	0.363	2007	5.53	
		90%	10.78	43.09	464.60	7706	0.425	2351	5.06	
		100%	10.71	47.69	510.55	7938	0.455	2496	4.89	

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.)

Continued below

Туре	Propeller	Throttle	Voltage (V)	Current (A)	Power (W)	RPM	Torque (N*m)	Thrust (g)	Efficiency (g/W)	Operating Temperature (°C)
	APC 9*6	40%	15.02	15.68	235.58	9026	0.172	1045	4.44	98 (Ambient Temperature:/)
		45%	14.98	18.29	273.97	9437	0.194	1166	4.25	
		50%	14.93	21.14	315.70	9975	0.216	1290	4.09	
		55%	14.88	24.08	358.32	10391	0.238	1408	3.93	
		60%	14.84	26.45	392.53	10766	0.255	1514	3.86	
		65%	14.79	29.36	434.32	11114	0.275	1598	3.68	
		70%	14.73	32.79	483.11	11398	0.297	1704	3.53	
		75%	14.67	36.84	540.35	11780	0.319	1797	3.33	
		80%	14.58	42.30	616.66	12354	0.359	1973	3.20	
		90%	14.38	54.29	780.98	13244	0.430	2274	2.91	
		100%	14.25	62.15	885.82	13692	0.472	2419	2.73	
		40%	15.00	15.57	233.55	8400	0.191	1220	5.23	
		<mark>45%</mark>	14.95	18.59	277.88	8903	0.215	1356	4.88	
		50%	14.89	22.03	328.11	9342	0.242	1522	4.64	
		55%	14.84	24.99	370.91	9635	0.266	1674	4.51	
		60%	14.79	28.24	417.54	10031	0.287	1795	4.30	
	APC 10*5.5	65%	14.72	32.03	471.55	10395	0.315	1964	4.16	HOT
	10-5.5	70%	14.66	35.77	524.50	10770	0.341	2109	4.02	
		75%	14.56	41.76	608.16	11154	0.370	2267	3.73	
		80%	14.46	48.28	697.99	11720	0.419	2545	3.65	
		90%	14.23	62.25	885.76	12569	0.498	2966	3.35	
AT2820		100%	14.11	69.57	981.39	12883	0.534	3136	3.20	
Long Shaft KV1250		40%	11.27	13.76	155.17	5814	0.166	871	5.61	
101200		45%	11.23	16.54	185.73	6227	0.190	993	5.35	
		50%	11.18	19.41	217.02	6584	0.213	1114	5.13	
		55%	11.13	22.38	249.05	6925	0.235	1226	4.92	
		60%	11.08	25.53	282.78	7258	0.259	1344	4.75	
	APC	65%	11.01	29.61	325.97	7603	0.287	1495	4.59	78 (Ambient
	11*8	70%	10.96	32.94	360.94	7899	0.310	1612	4.47	Temperature:/)
		75%	10.88	37.52	408.28	8208	0.345	1766	4.33	
		80%	10.80	42.80	462.04	8560	0.374	1928	4.17	
		90%	10.62	53.36	566.90	9141	0.432	2192	3.87	
		100%	10.50	60.92	639.56	9468	0.467	2358	3.69	
		40%	11.27	13.55	152.80	5857	0.164	979	6.41	
		45%	11.23	16.38	183.85	6239	0.188	1127	6.13	
	APC	50%	11.18	19.09	213.47	6587	0.210	1248	5.85	
		55%	11.13	22.41	249.36	6893	0.236	1398	5.61	
		60%	11.08	25.22	279.40	7205	0.250	1522	5.45	
		65%	11.08	28.68	316.16	7524	0.237	1676	5.30	92 (Ambient
	12*6	70%	10.95	32.93	360.64	7858	0.284	1824	5.06	Temperature:/)
		75%	10.95	37.46	407.60	8193	0.311	1997	4.90	
		80%	10.88	42.20	455.85	8193	0.345	2165	4.90	
		90%			455.85 579.02	9099		2555	4.75	
			10.60	54.62			0.441			
		100%	10.48	61.59	645.73	9390	0.471	2712	4.20	

Note: Motor temperature is motor surface temperature @100% throttle running 10mins.

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Contents



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