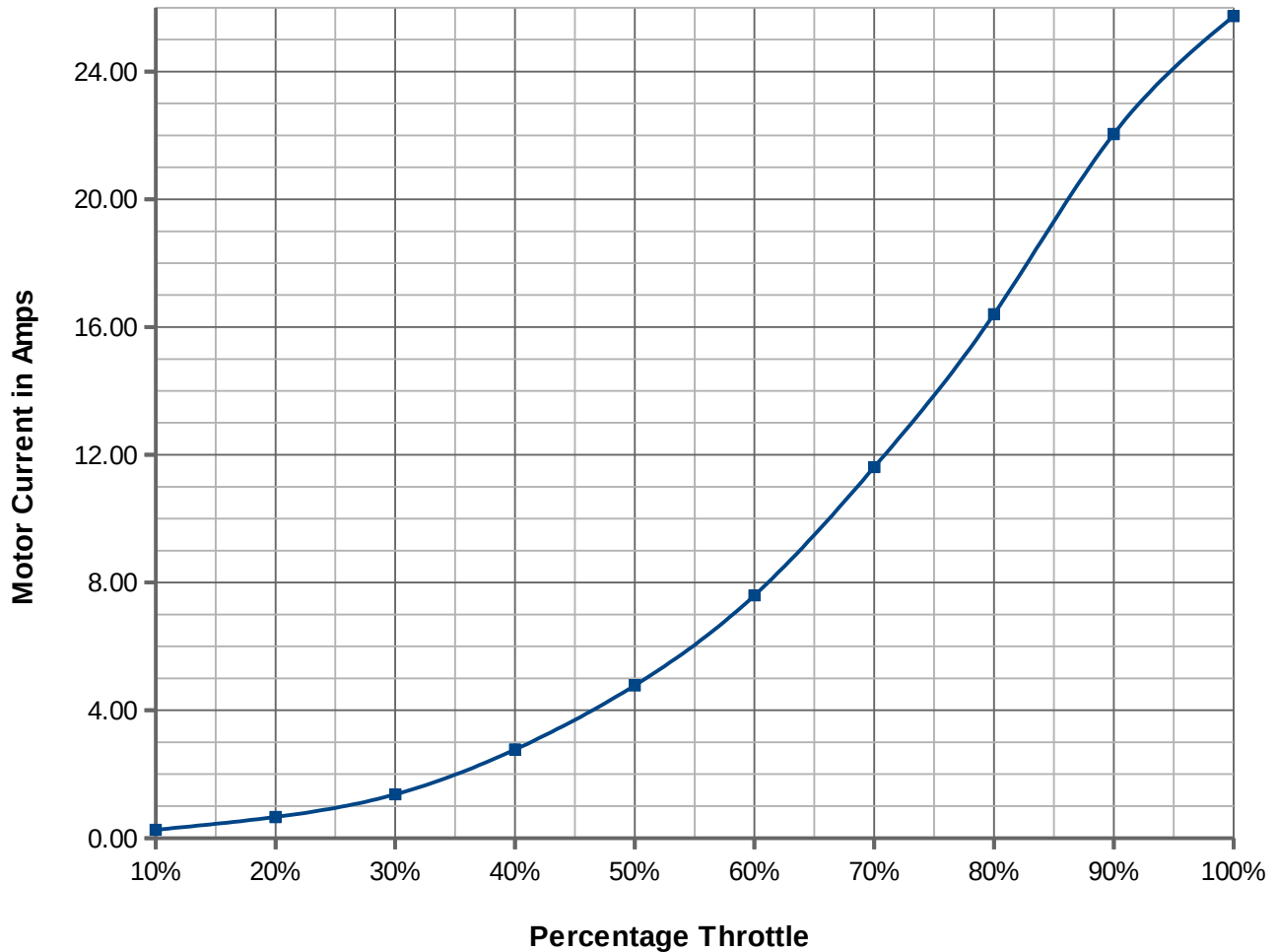


Cobra CM-3515-20 Motor Test Data, Kv=650

Data Collected at 18.5 volts with APC 12x4.5-MR Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.26	4.81	1,590	56.3	1.98	11.70
20%	0.66	12.21	2,544	143.8	5.07	11.78
30%	1.37	25.31	3,450	288.8	10.18	11.41
40%	2.77	51.26	4,473	512.2	18.05	9.99
50%	4.78	88.41	5,403	761.9	26.85	8.62
60%	7.60	140.54	6,310	1066.3	37.58	7.59
70%	11.61	214.86	7,178	1445.3	50.94	6.73
80%	16.40	303.47	7,996	1828.3	64.43	6.02
90%	22.05	407.85	8,724	2208.0	77.81	5.41
100%	25.74	476.13	9,145	2422.5	85.37	5.09

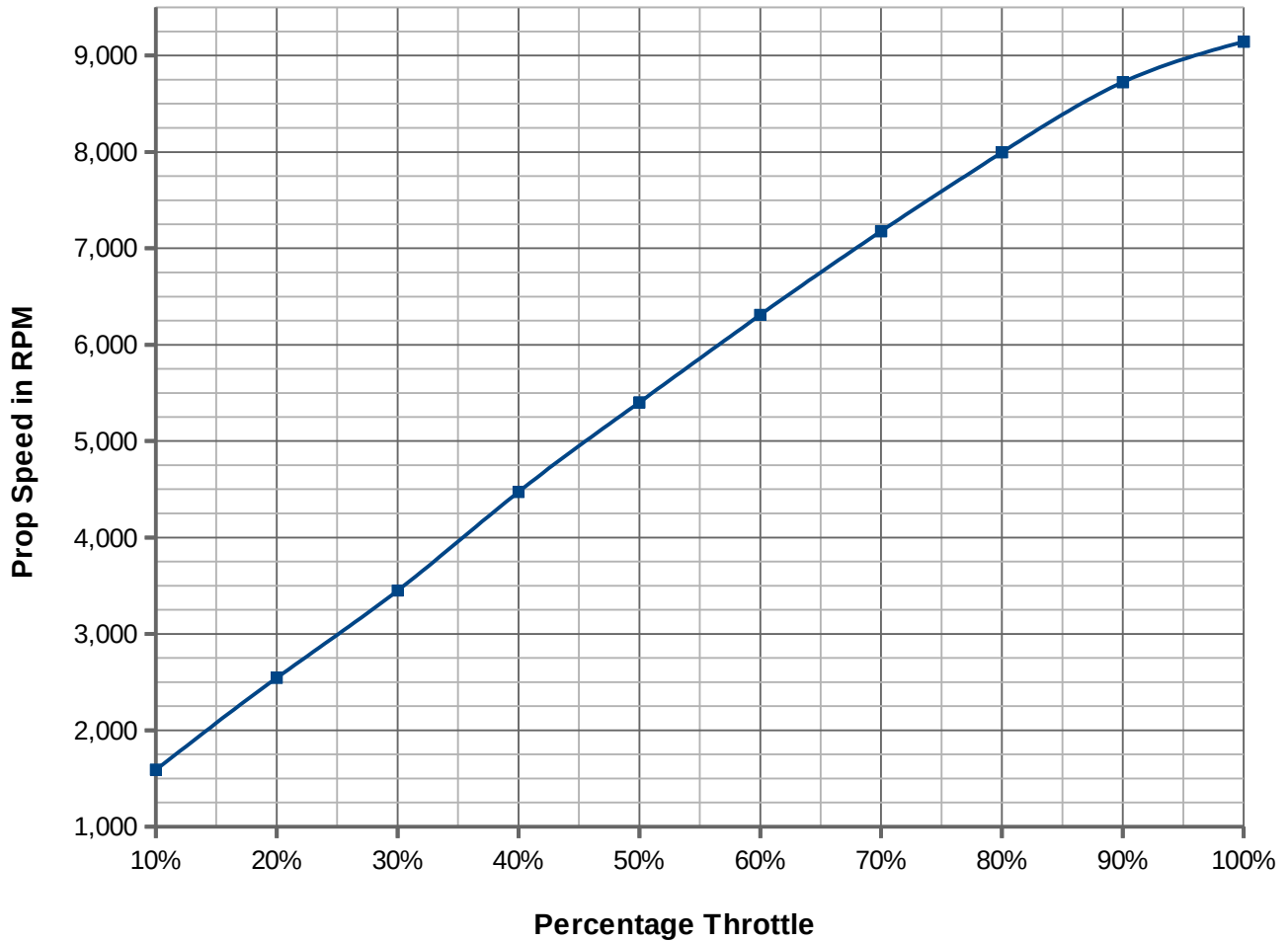
Motor Current vs Throttle Position



Cobra CM-3515-20 Motor Test Data, Kv=650

Data Collected at 18.5 volts with APC 12x4.5-MR Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.26	4.81	1,590	56.3	1.98	11.70
20%	0.66	12.21	2,544	143.8	5.07	11.78
30%	1.37	25.31	3,450	288.8	10.18	11.41
40%	2.77	51.26	4,473	512.2	18.05	9.99
50%	4.78	88.41	5,403	761.9	26.85	8.62
60%	7.60	140.54	6,310	1066.3	37.58	7.59
70%	11.61	214.86	7,178	1445.3	50.94	6.73
80%	16.40	303.47	7,996	1828.3	64.43	6.02
90%	22.05	407.85	8,724	2208.0	77.81	5.41
100%	25.74	476.13	9,145	2422.5	85.37	5.09

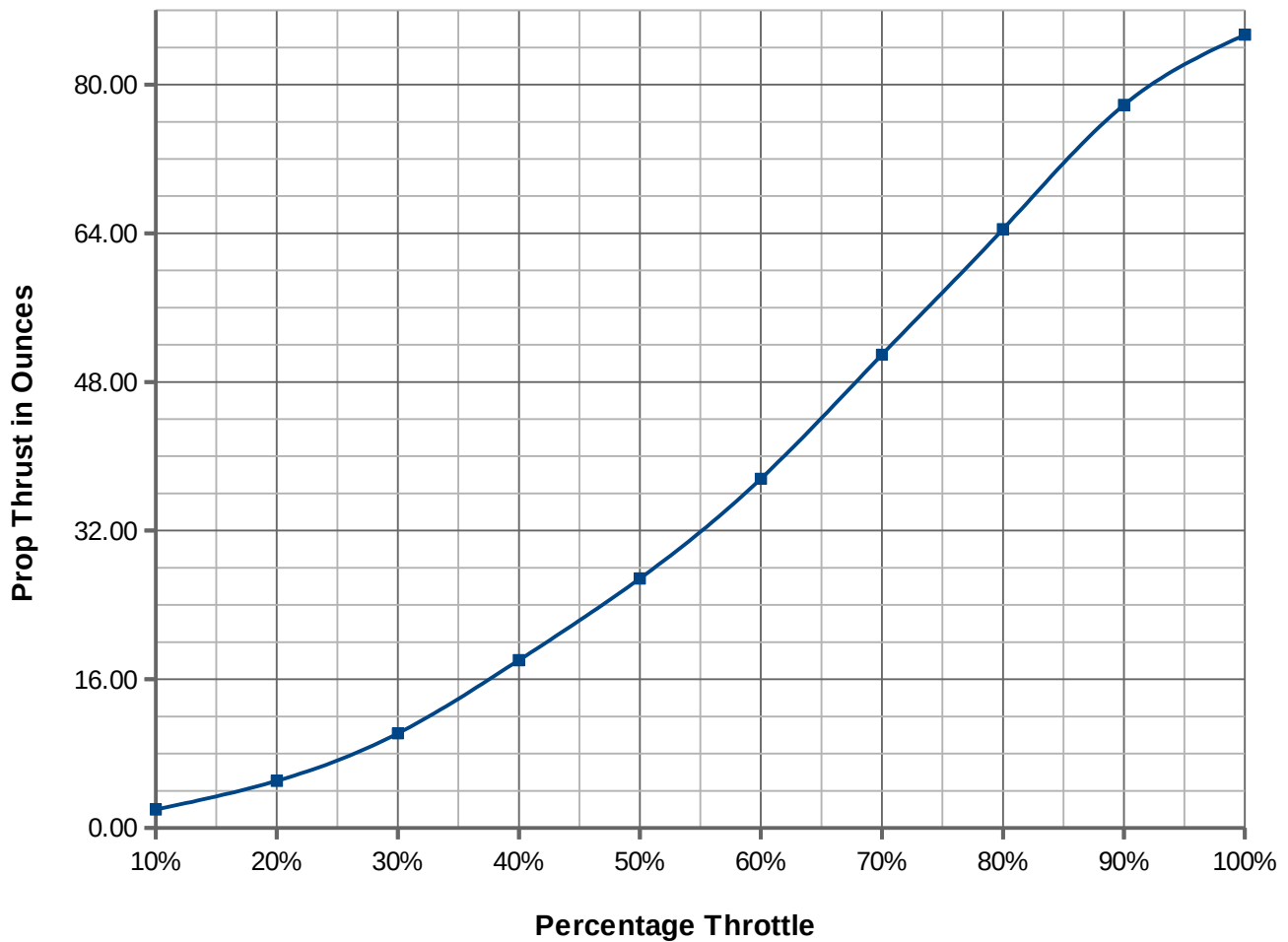
Propeller RPM vs Throttle Position



Cobra CM-3515-20 Motor Test Data, Kv=650

Data Collected at 18.5 volts with APC 12x4.5-MR Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.26	4.81	1,590	56.3	1.98	11.70
20%	0.66	12.21	2,544	143.8	5.07	11.78
30%	1.37	25.31	3,450	288.8	10.18	11.41
40%	2.77	51.26	4,473	512.2	18.05	9.99
50%	4.78	88.41	5,403	761.9	26.85	8.62
60%	7.60	140.54	6,310	1066.3	37.58	7.59
70%	11.61	214.86	7,178	1445.3	50.94	6.73
80%	16.40	303.47	7,996	1828.3	64.43	6.02
90%	22.05	407.85	8,724	2208.0	77.81	5.41
100%	25.74	476.13	9,145	2422.5	85.37	5.09

Propeller Thrust vs Throttle Position



Cobra CM-3515-20 Motor Test Data, Kv=650

Data Collected at 18.5 volts with APC 12x4.5-MR Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.26	4.81	1,590	56.3	1.98	11.70
20%	0.66	12.21	2,544	143.8	5.07	11.78
30%	1.37	25.31	3,450	288.8	10.18	11.41
40%	2.77	51.26	4,473	512.2	18.05	9.99
50%	4.78	88.41	5,403	761.9	26.85	8.62
60%	7.60	140.54	6,310	1066.3	37.58	7.59
70%	11.61	214.86	7,178	1445.3	50.94	6.73
80%	16.40	303.47	7,996	1828.3	64.43	6.02
90%	22.05	407.85	8,724	2208.0	77.81	5.41
100%	25.74	476.13	9,145	2422.5	85.37	5.09

Propeller Efficiency vs Throttle Position

