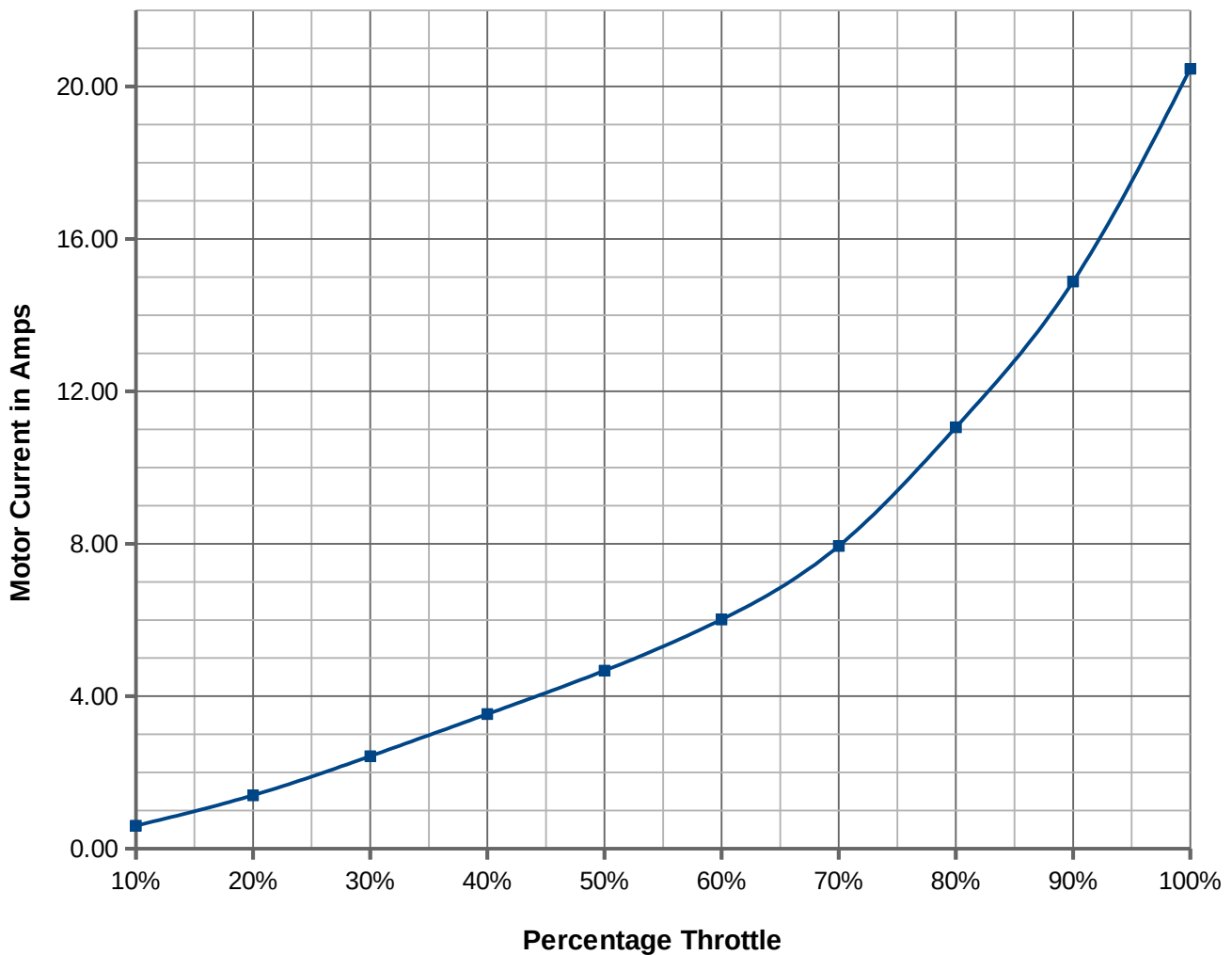


Cobra CM-2205-2300 Champion Motor Test Data

Data Collected at 14.8 volts with APC 4x4.5 Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.60	8.94	6,776	34.7	1.22	3.88
20%	1.40	20.73	10,218	77.6	2.74	3.74
30%	2.43	35.92	12,858	124.2	4.38	3.46
40%	3.53	52.27	15,028	170.9	6.03	3.27
50%	4.67	69.15	16,750	213.3	7.52	3.08
60%	6.01	88.99	18,434	261.0	9.21	2.93
70%	7.94	117.54	20,437	324.3	11.44	2.76
80%	11.06	163.64	22,903	413.8	14.60	2.53
90%	14.88	220.27	25,319	508.7	17.94	2.31
100%	20.46	302.85	27,931	623.9	22.01	2.06

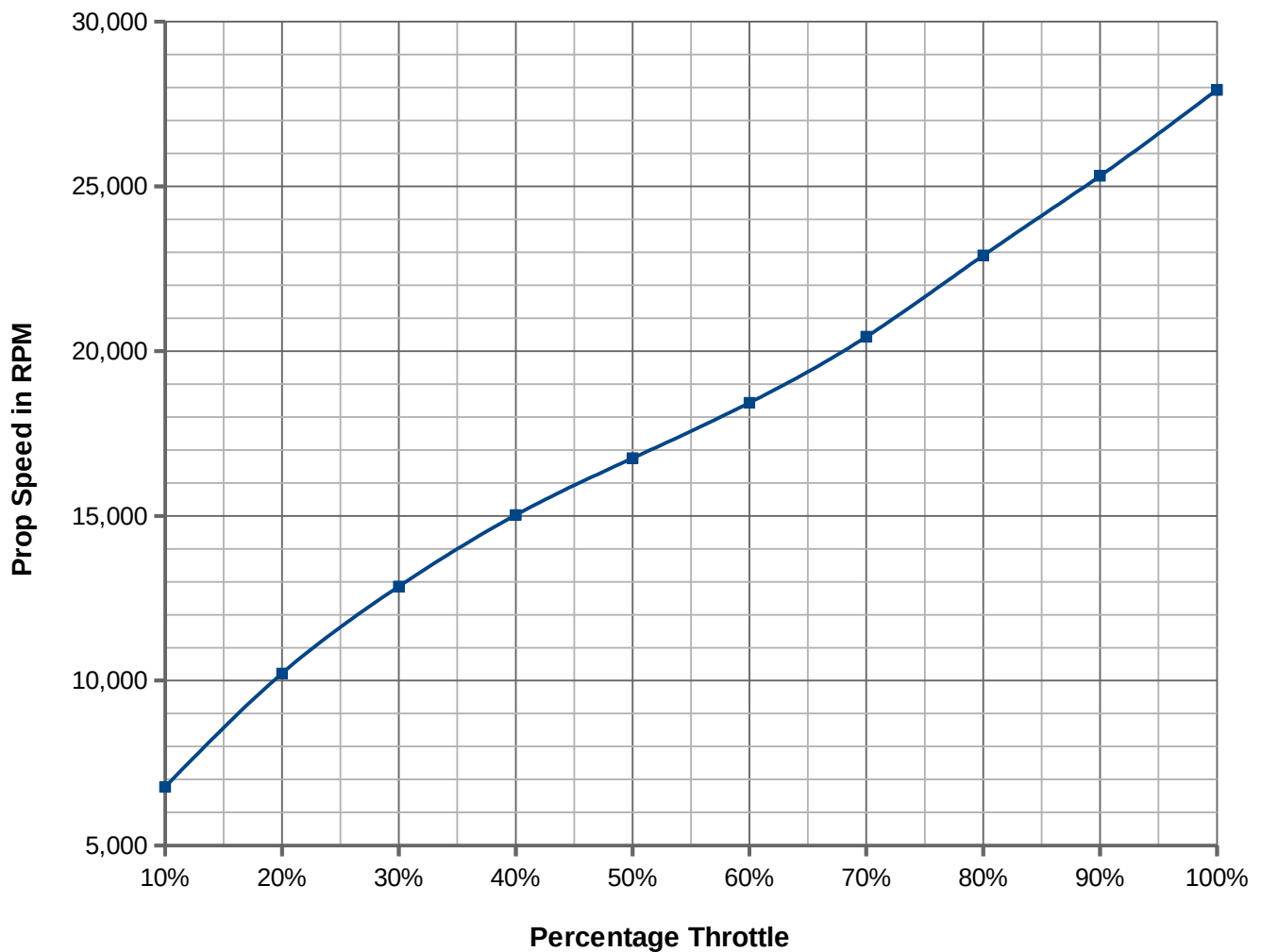
Motor Current vs Throttle Position



Cobra CM-2205-2300 Champion Motor Test Data

Data Collected at 14.8 volts with APC 4x4.5 Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.60	8.94	6,776	34.7	1.22	3.88
20%	1.40	20.73	10,218	77.6	2.74	3.74
30%	2.43	35.92	12,858	124.2	4.38	3.46
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60%	6.01	88.99	18,434	261.0	9.21	2.93
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90%	14.88	220.27	25,319	508.7	17.94	2.31
100%	20.46	302.85	27,931	623.9	22.01	2.06

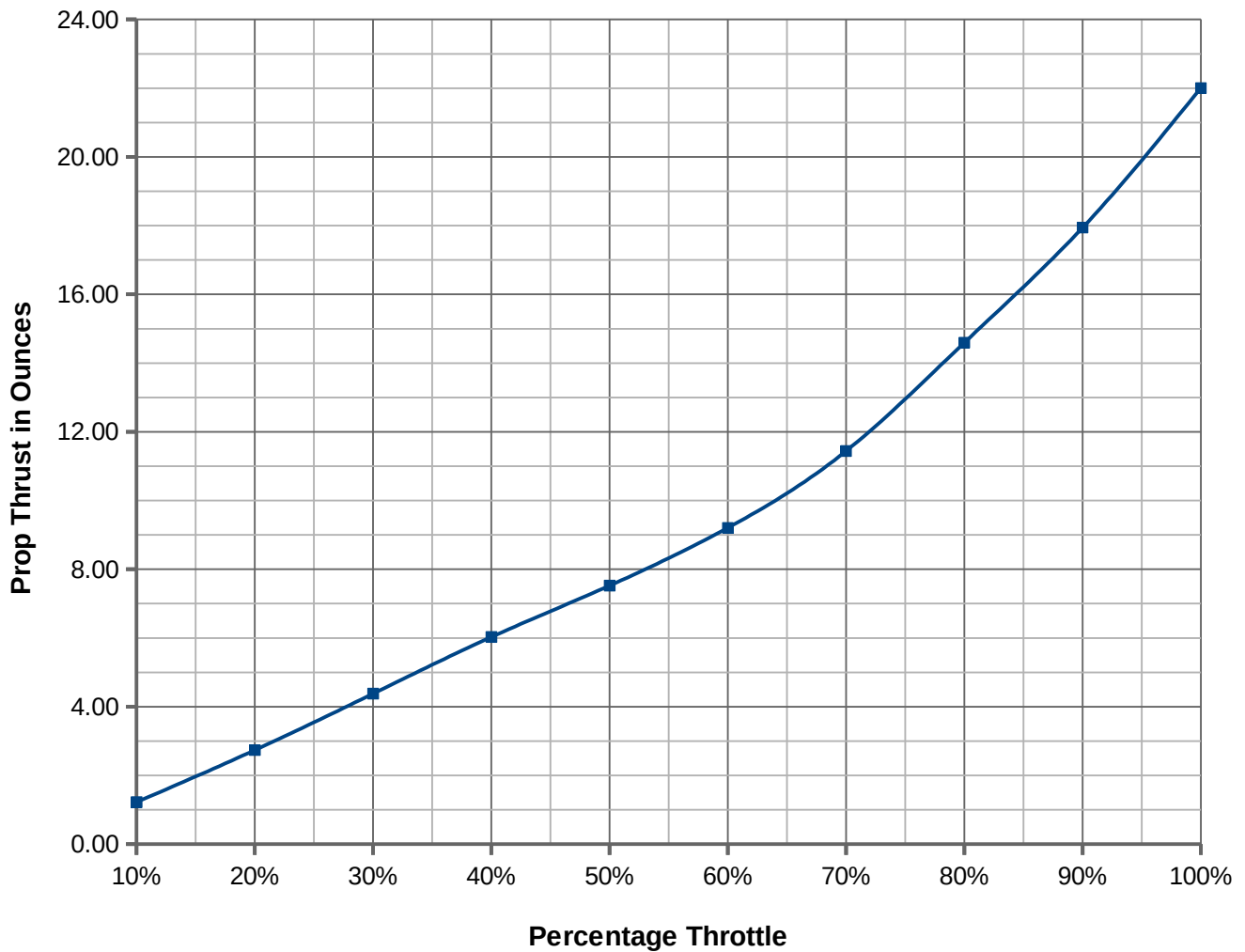
Propeller RPM vs Throttle Position



Cobra CM-2205-2300 Champion Motor Test Data

Data Collected at 14.8 volts with APC 4x4.5 Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.60	8.94	6,776	34.7	1.22	3.88
20%	1.40	20.73	10,218	77.6	2.74	3.74
30%	2.43	35.92	12,858	124.2	4.38	3.46
40%	3.53	52.27	15,028	170.9	6.03	3.27
50%	4.67	69.15	16,750	213.3	7.52	3.08
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70%	7.94	117.54	20,437	324.3	11.44	2.76
80%	11.06	163.64	22,903	413.8	14.60	2.53
90%	14.88	220.27	25,319	508.7	17.94	2.31
100%	20.46	302.85	27,931	623.9	22.01	2.06

Propeller Thrust vs Throttle Position



Cobra CM-2205-2300 Champion Motor Test Data

Data Collected at 14.8 volts with APC 4x4.5 Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.60	8.94	6,776	34.7	1.22	3.88
20%	1.40	20.73	10,218	77.6	2.74	3.74
30%	2.43	35.92	12,858	124.2	4.38	3.46
40%	3.53	52.27	15,028	170.9	6.03	3.27
50%	4.67	69.15	16,750	213.3	7.52	3.08
60%	6.01	88.99	18,434	261.0	9.21	2.93
70%	7.94	117.54	20,437	324.3	11.44	2.76
80%	11.06	163.64	22,903	413.8	14.60	2.53
90%	14.88	220.27	25,319	508.7	17.94	2.31
100%	20.46	302.85	27,931	623.9	22.01	2.06

Propeller Efficiency vs Throttle Position

