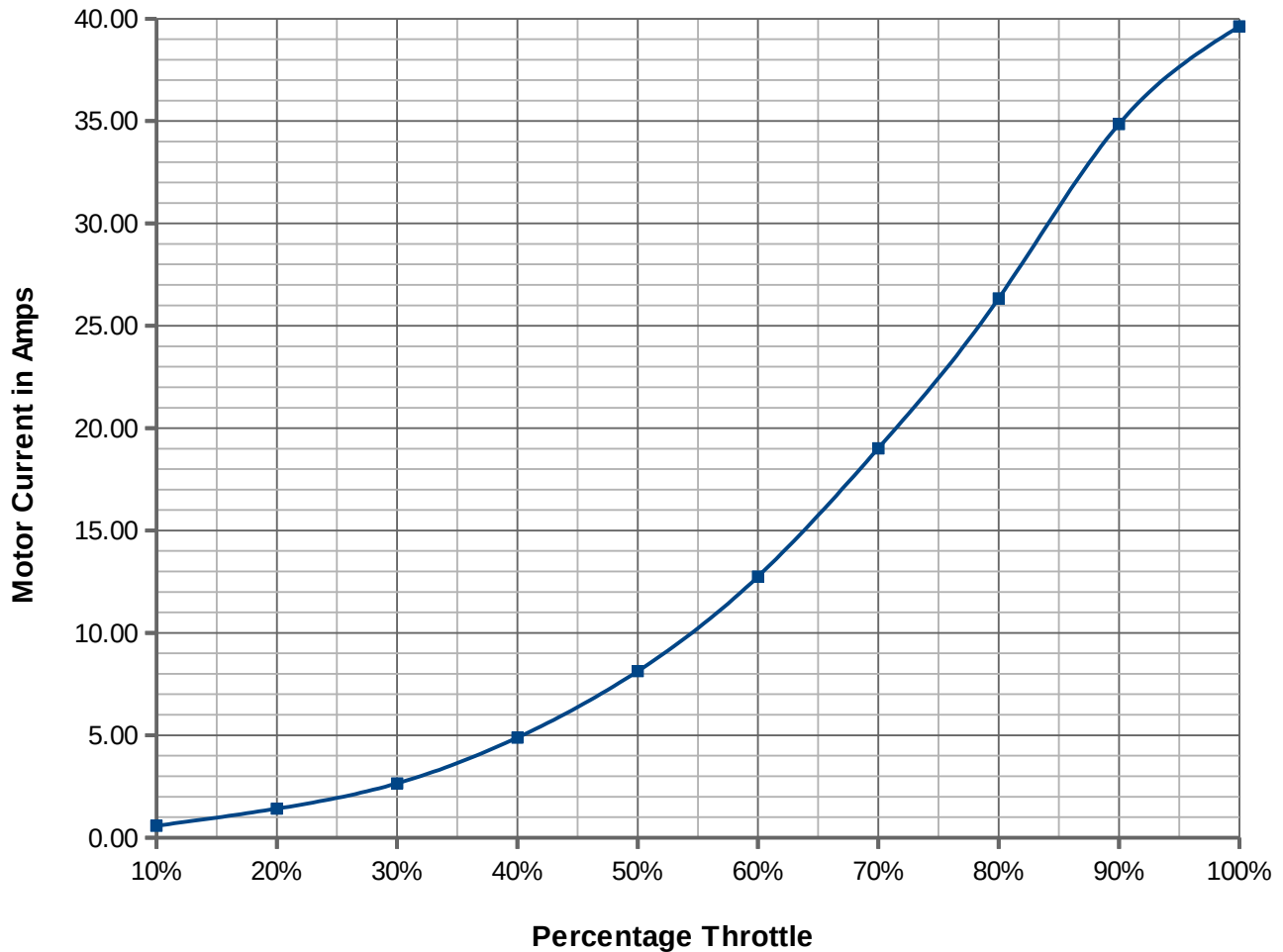


Cobra CM-4520-14 Motor Test Data, Kv=400

Data Collected at 22.2 volts with APC 16x5.5-MR Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.58	12.90	1,492	153.8	5.42	11.92
20%	1.42	31.46	2,305	371.4	13.09	11.81
30%	2.65	58.87	2,976	645.4	22.75	10.96
40%	4.89	108.56	3,742	1068.6	37.66	9.84
50%	8.13	180.53	4,468	1563.5	55.10	8.66
60%	12.75	283.12	5,223	2164.6	76.29	7.65
70%	19.02	422.13	5,938	2841.8	100.15	6.73
80%	26.34	584.68	6,596	3530.8	124.43	6.04
90%	34.86	773.87	7,191	4246.7	149.66	5.49
100%	39.63	879.72	7,472	4692.3	165.37	5.33

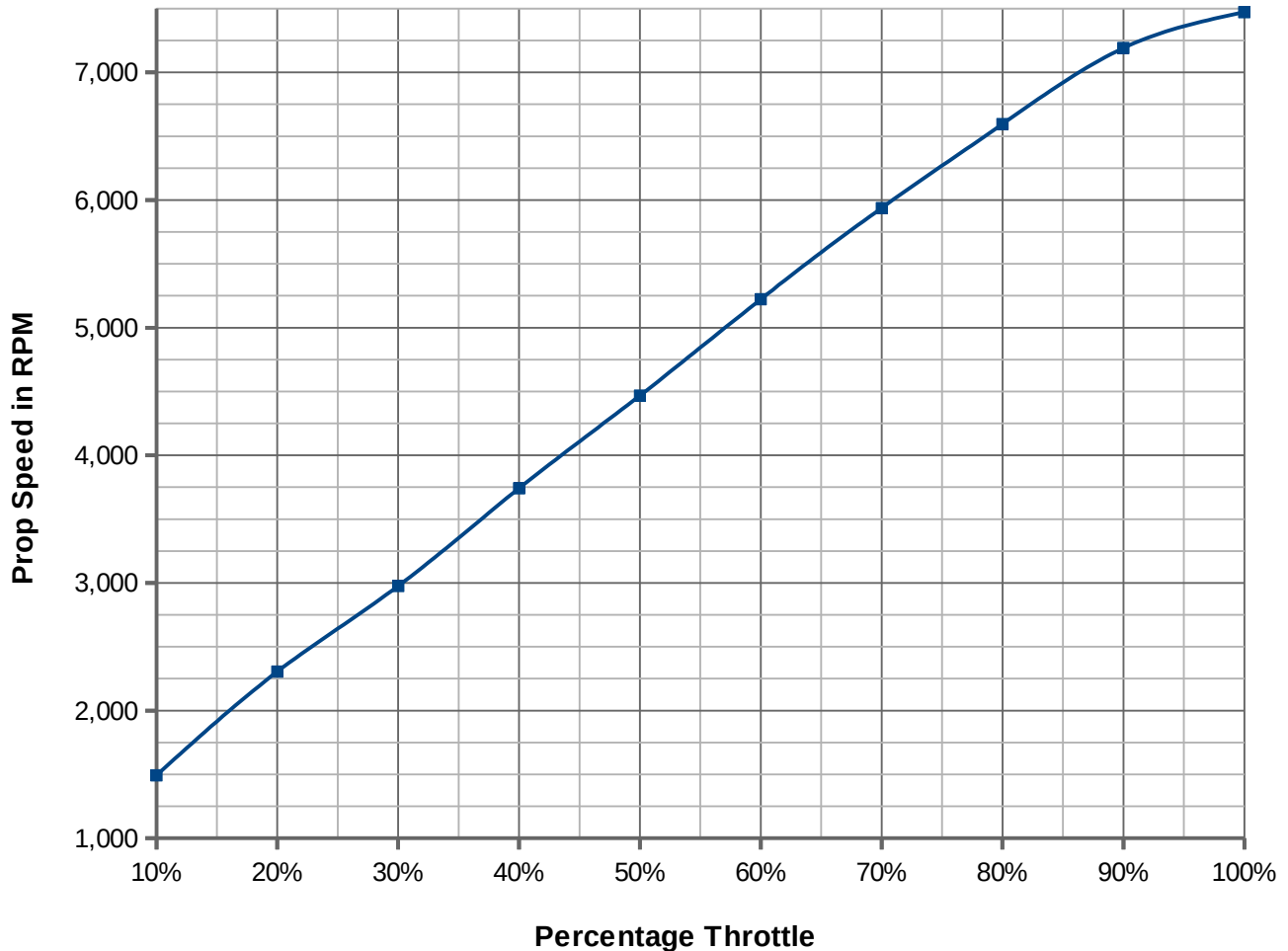
Motor Current vs Throttle Position



Cobra CM-4520-14 Motor Test Data, Kv=400

Data Collected at 22.2 volts with APC 16x5.5-MR Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.58	12.90	1,492	153.8	5.42	11.92
20%	1.42	31.46	2,305	371.4	13.09	11.81
30%	2.65	58.87	2,976	645.4	22.75	10.96
40%	4.89	108.56	3,742	1068.6	37.66	9.84
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60%	12.75	283.12	5,223	2164.6	76.29	7.65
70%	19.02	422.13	5,938	2841.8	100.15	6.73
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90%	34.86	773.87	7,191	4246.7	149.66	5.49
100%	39.63	879.72	7,472	4692.3	165.37	5.33

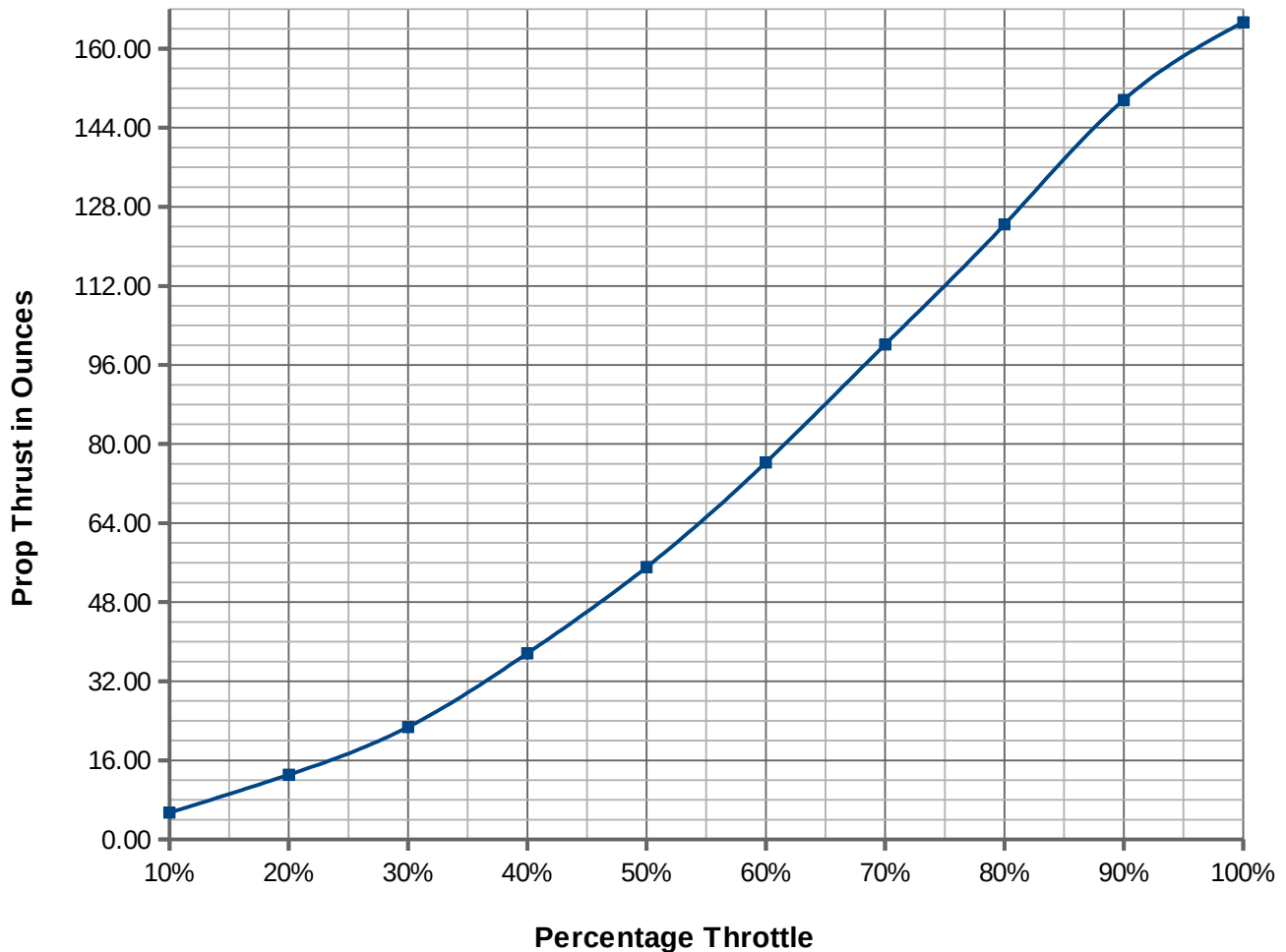
Propeller RPM vs Throttle Position



Cobra CM-4520-14 Motor Test Data, Kv=400

Data Collected at 22.2 volts with APC 16x5.5-MR Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.58	12.90	1,492	153.8	5.42	11.92
20%	1.42	31.46	2,305	371.4	13.09	11.81
30%	2.65	58.87	2,976	645.4	22.75	10.96
40%	4.89	108.56	3,742	1068.6	37.66	9.84
50%	8.13	180.53	4,468	1563.5	55.10	8.66
60%	12.75	283.12	5,223	2164.6	76.29	7.65
70%	19.02	422.13	5,938	2841.8	100.15	6.73
80%	26.34	584.68	6,596	3530.8	124.43	6.04
90%	34.86	773.87	7,191	4246.7	149.66	5.49
100%	39.63	879.72	7,472	4692.3	165.37	5.33

Propeller Thrust vs Throttle Position



Cobra CM-4520-14 Motor Test Data, Kv=400

Data Collected at 22.2 volts with APC 16x5.5-MR Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.58	12.90	1,492	153.8	5.42	11.92
20%	1.42	31.46	2,305	371.4	13.09	11.81
30%	2.65	58.87	2,976	645.4	22.75	10.96
40%	4.89	108.56	3,742	1068.6	37.66	9.84
50%	8.13	180.53	4,468	1563.5	55.10	8.66
60%	12.75	283.12	5,223	2164.6	76.29	7.65
70%	19.02	422.13	5,938	2841.8	100.15	6.73
80%	26.34	584.68	6,596	3530.8	124.43	6.04
90%	34.86	773.87	7,191	4246.7	149.66	5.49
100%	39.63	879.72	7,472	4692.3	165.37	5.33

Propeller Efficiency vs Throttle Position

