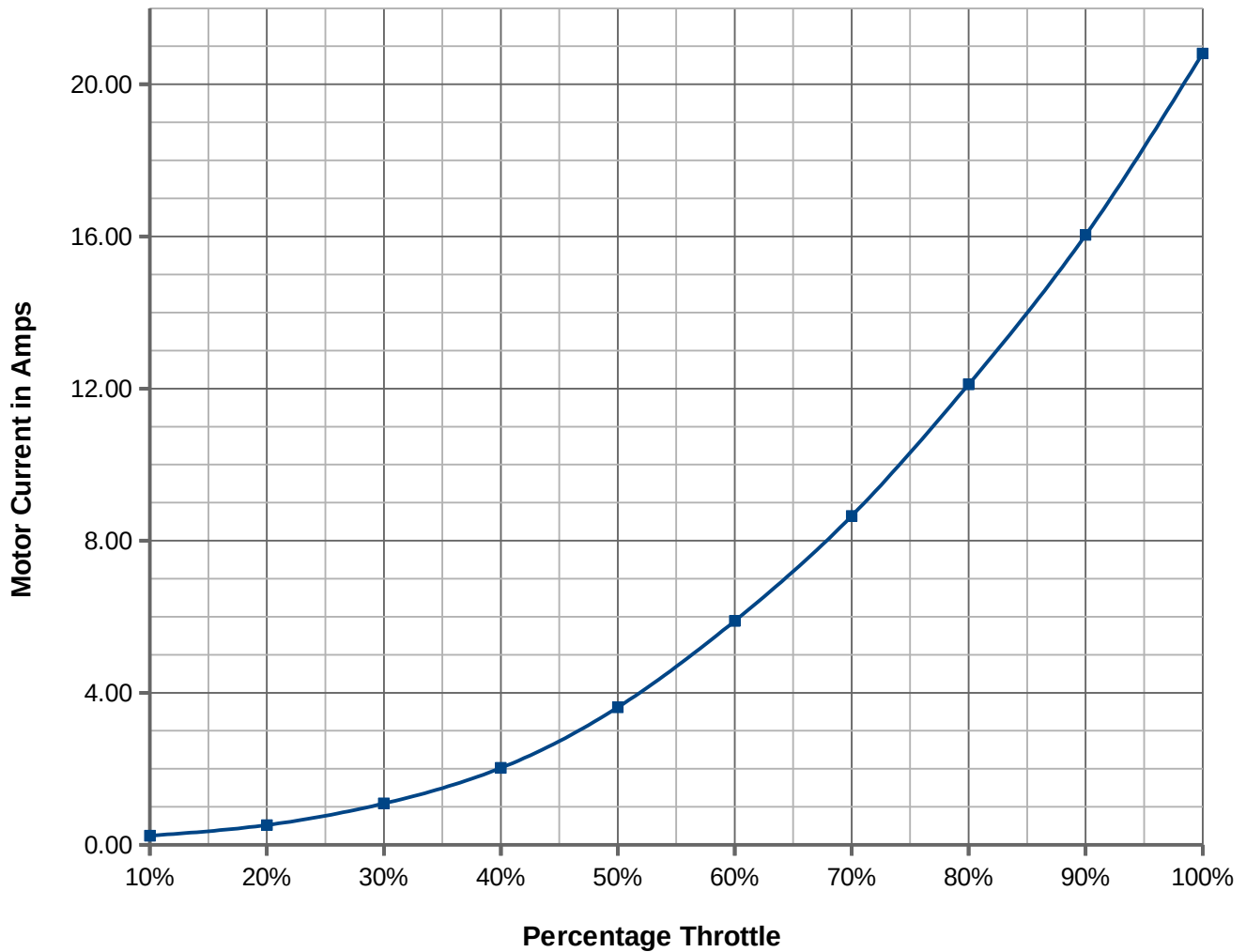


Cobra CM-4012/30 Motor Test Data, Kv=300

Data Collected at 18.5 volts with RC-Timer 17x5.5-CF Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.24	4.48	651	42.7	1.51	9.54
20%	0.52	9.66	1,139	132.6	4.68	13.73
30%	1.09	20.13	1,629	274.5	9.68	13.64
40%	2.02	37.43	2,076	453.5	16.00	12.12
50%	3.62	66.91	2,536	704.3	24.84	10.53
60%	5.89	108.93	2,962	1002.8	35.37	9.21
70%	8.65	160.01	3,332	1286.9	45.39	8.04
80%	12.11	224.07	3,695	1570.3	55.39	7.01
90%	16.04	296.72	3,990	1893.8	66.80	6.38
100%	20.81	385.02	4,298	2203.6	77.73	5.72

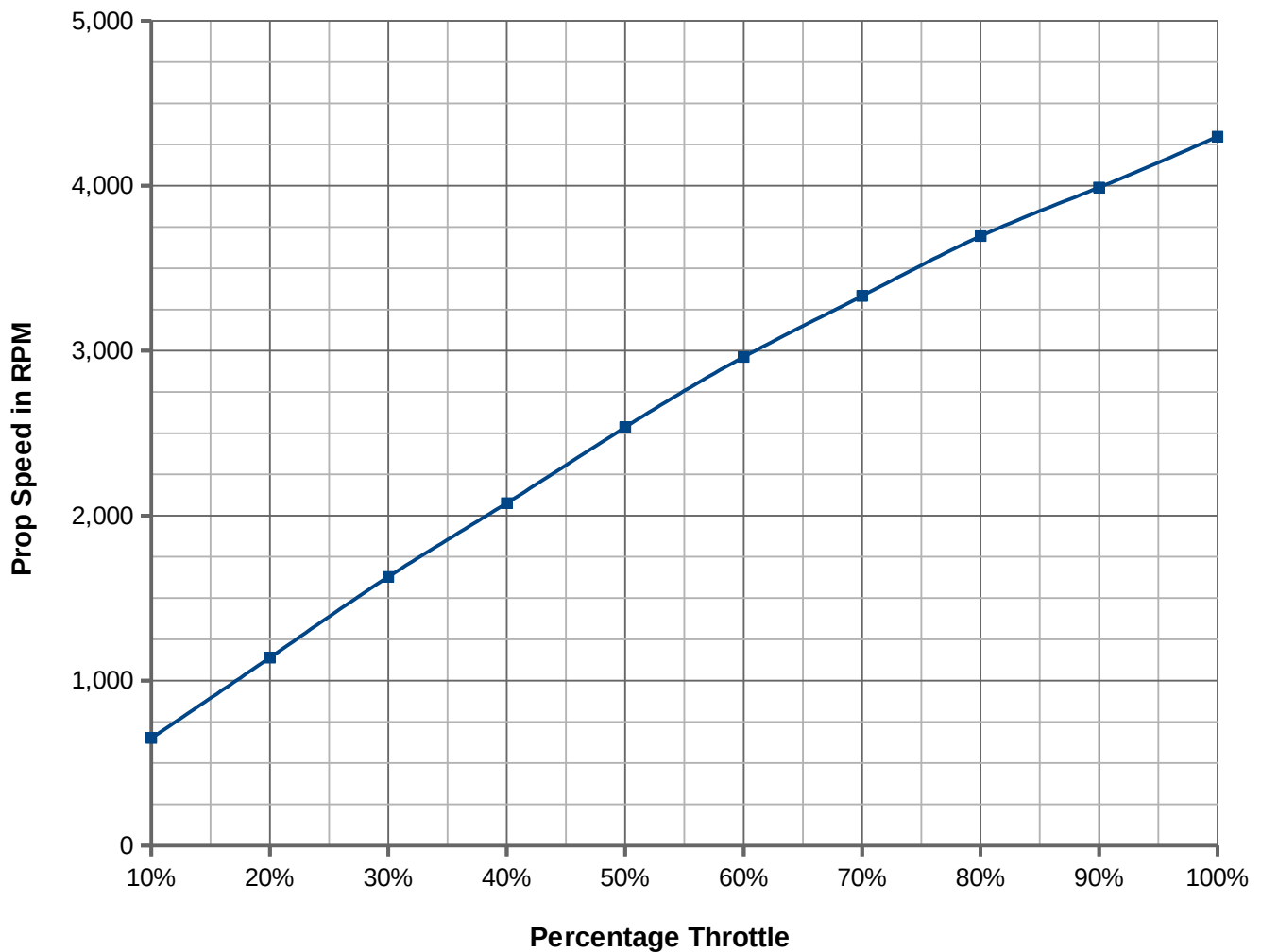
Motor Current vs Throttle Position



Cobra CM-4012/30 Motor Test Data, Kv=300

Data Collected at 18.5 volts with RC-Timer 17x5.5-CF Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.24	4.48	651	42.7	1.51	9.54
20%	0.52	9.66	1,139	132.6	4.68	13.73
30%	1.09	20.13	1,629	274.5	9.68	13.64
40%	2.02	37.43	2,076	453.5	16.00	12.12
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70%	8.65	160.01	3,332	1286.9	45.39	8.04
80%	12.11	224.07	3,695	1570.3	55.39	7.01
90%	16.04	296.72	3,990	1893.8	66.80	6.38
100%	20.81	385.02	4,298	2203.6	77.73	5.72

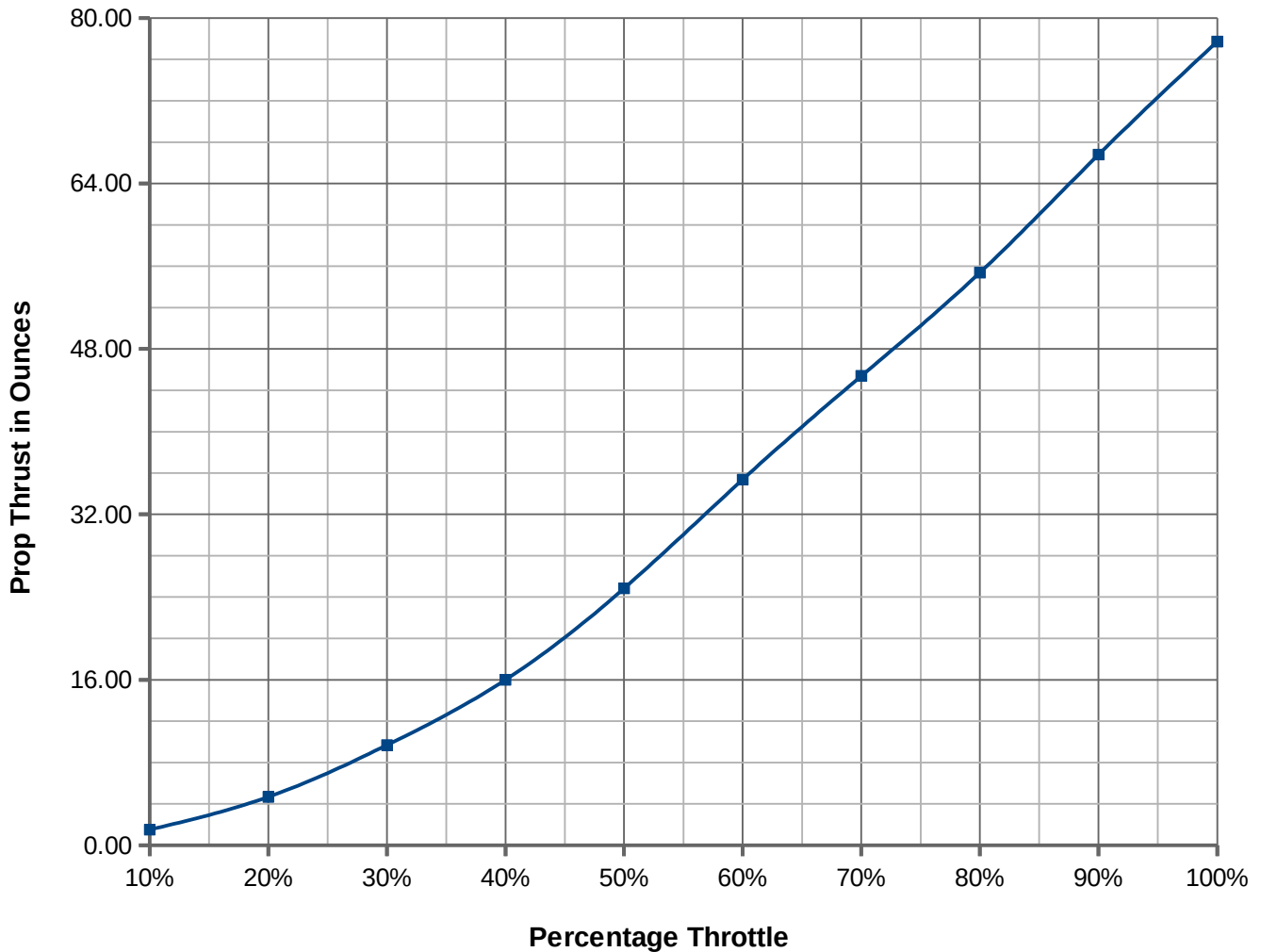
Propeller RPM vs Throttle Position



Cobra CM-4012/30 Motor Test Data, Kv=300

Data Collected at 18.5 volts with RC-Timer 17x5.5-CF Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.24	4.48	651	42.7	1.51	9.54
20%	0.52	9.66	1,139	132.6	4.68	13.73
30%	1.09	20.13	1,629	274.5	9.68	13.64
40%	2.02	37.43	2,076	453.5	16.00	12.12
50%	3.62	66.91	2,536	704.3	24.84	10.53
60%	5.89	108.93	2,962	1002.8	35.37	9.21
70%	8.65	160.01	3,332	1286.9	45.39	8.04
80%	12.11	224.07	3,695	1570.3	55.39	7.01
90%	16.04	296.72	3,990	1893.8	66.80	6.38
100%	20.81	385.02	4,298	2203.6	77.73	5.72

Propeller Thrust vs Throttle Position



Cobra CM-4012/30 Motor Test Data, Kv=300

Data Collected at 18.5 volts with RC-Timer 17x5.5-CF Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.24	4.48	651	42.7	1.51	9.54
20%	0.52	9.66	1,139	132.6	4.68	13.73
30%	1.09	20.13	1,629	274.5	9.68	13.64
40%	2.02	37.43	2,076	453.5	16.00	12.12
50%	3.62	66.91	2,536	704.3	24.84	10.53
60%	5.89	108.93	2,962	1002.8	35.37	9.21
70%	8.65	160.01	3,332	1286.9	45.39	8.04
80%	12.11	224.07	3,695	1570.3	55.39	7.01
90%	16.04	296.72	3,990	1893.8	66.80	6.38
100%	20.81	385.02	4,298	2203.6	77.73	5.72

Propeller Efficiency vs Throttle Position

