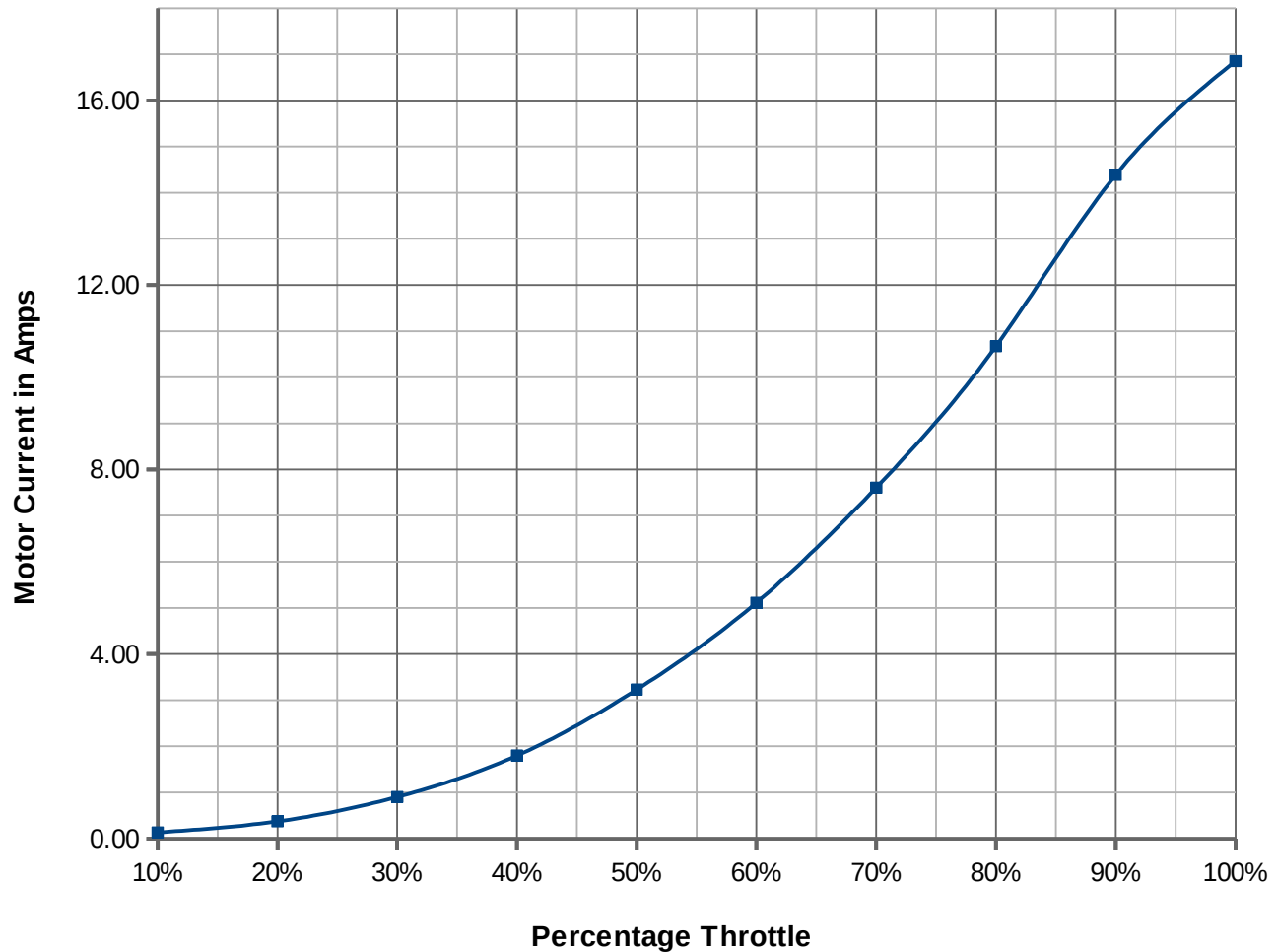


Cobra CM-4510-40 Motor Test Data, Kv=310

Data Collected at 22.2 volts with APC 18x5.5-MR Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.13	2.95	807	61.9	2.18	20.96
20%	0.37	8.26	1,320	158.9	5.60	19.24
30%	0.90	20.02	1,896	334.4	11.79	16.70
40%	1.80	39.94	2,444	575.2	20.27	14.40
50%	3.23	71.66	2,972	889.2	31.34	12.41
60%	5.11	113.51	3,470	1238.1	43.63	10.91
70%	7.61	168.88	3,945	1632.8	57.54	9.67
80%	10.67	236.94	4,395	2052.6	72.34	8.66
90%	14.39	319.39	4,813	2487.6	87.67	7.79
100%	16.85	374.14	5,061	2739.0	96.53	7.32

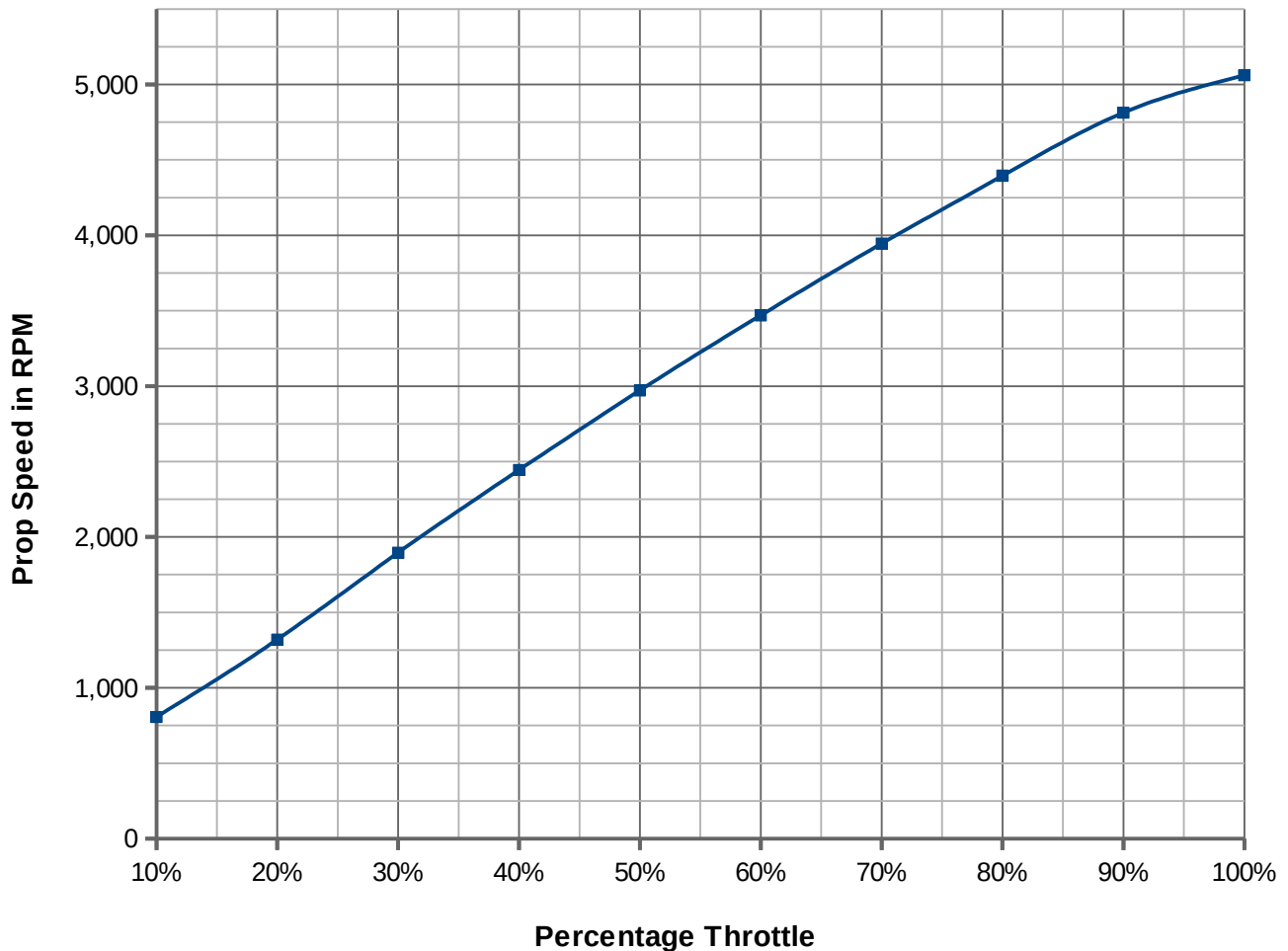
Motor Current vs Throttle Position



Cobra CM-4510-40 Motor Test Data, Kv=310

Data Collected at 22.2 volts with APC 18x5.5-MR Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
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20%	0.37	8.26	1,320	158.9	5.60	19.24
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100%	16.85	374.14	5,061	2739.0	96.53	7.32

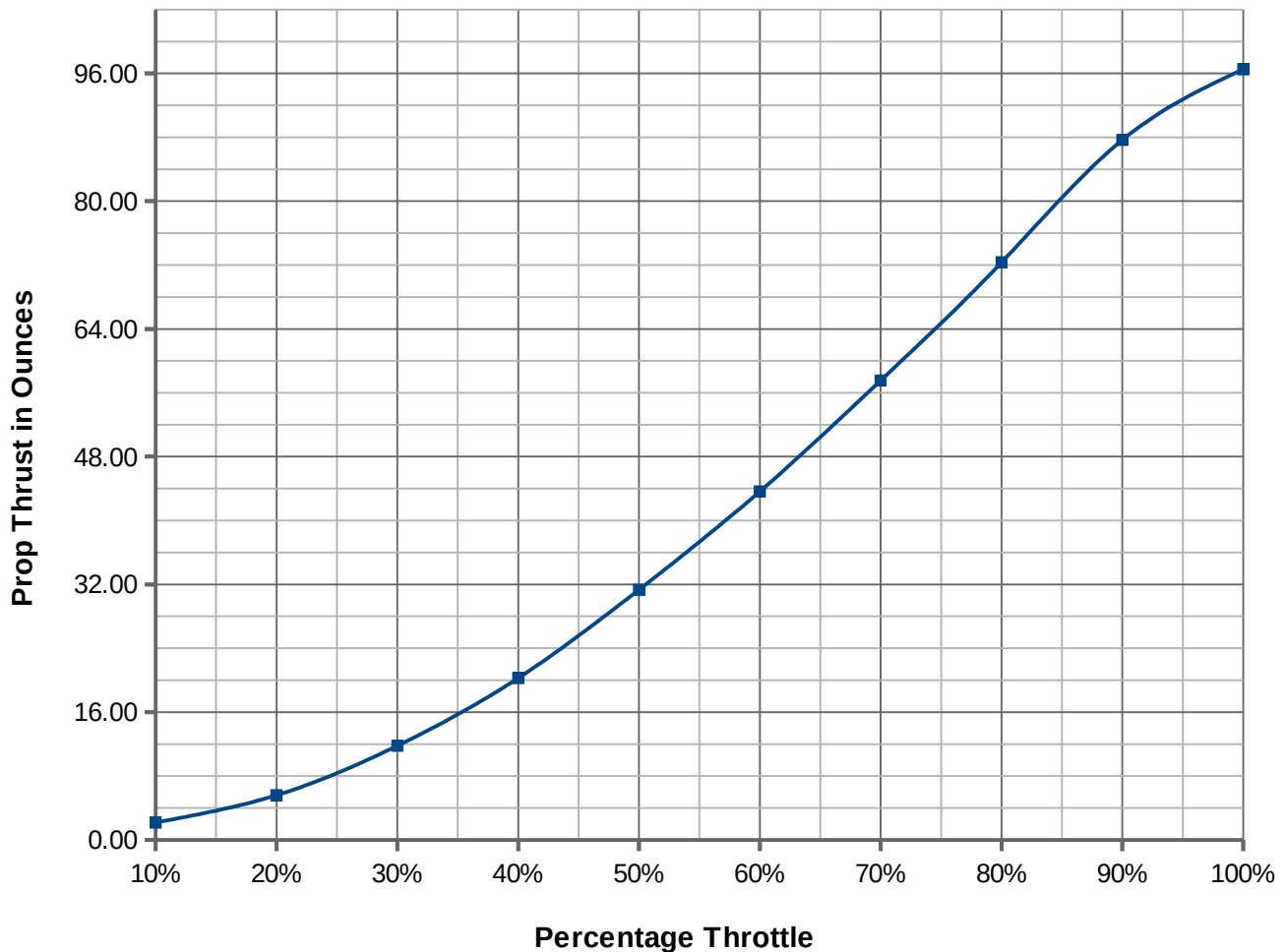
Propeller RPM vs Throttle Position



Cobra CM-4510-40 Motor Test Data, Kv=310

Data Collected at 22.2 volts with APC 18x5.5-MR Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.13	2.95	807	61.9	2.18	20.96
20%	0.37	8.26	1,320	158.9	5.60	19.24
30%	0.90	20.02	1,896	334.4	11.79	16.70
40%	1.80	39.94	2,444	575.2	20.27	14.40
50%	3.23	71.66	2,972	889.2	31.34	12.41
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70%	7.61	168.88	3,945	1632.8	57.54	9.67
80%	10.67	236.94	4,395	2052.6	72.34	8.66
90%	14.39	319.39	4,813	2487.6	87.67	7.79
100%	16.85	374.14	5,061	2739.0	96.53	7.32

Propeller Thrust vs Throttle Position



Cobra CM-4510-40 Motor Test Data, Kv=310

Data Collected at 22.2 volts with APC 18x5.5-MR Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.13	2.95	807	61.9	2.18	20.96
20%	0.37	8.26	1,320	158.9	5.60	19.24
30%	0.90	20.02	1,896	334.4	11.79	16.70
40%	1.80	39.94	2,444	575.2	20.27	14.40
50%	3.23	71.66	2,972	889.2	31.34	12.41
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70%	7.61	168.88	3,945	1632.8	57.54	9.67
80%	10.67	236.94	4,395	2052.6	72.34	8.66
90%	14.39	319.39	4,813	2487.6	87.67	7.79
100%	16.85	374.14	5,061	2739.0	96.53	7.32

Propeller Efficiency vs Throttle Position

