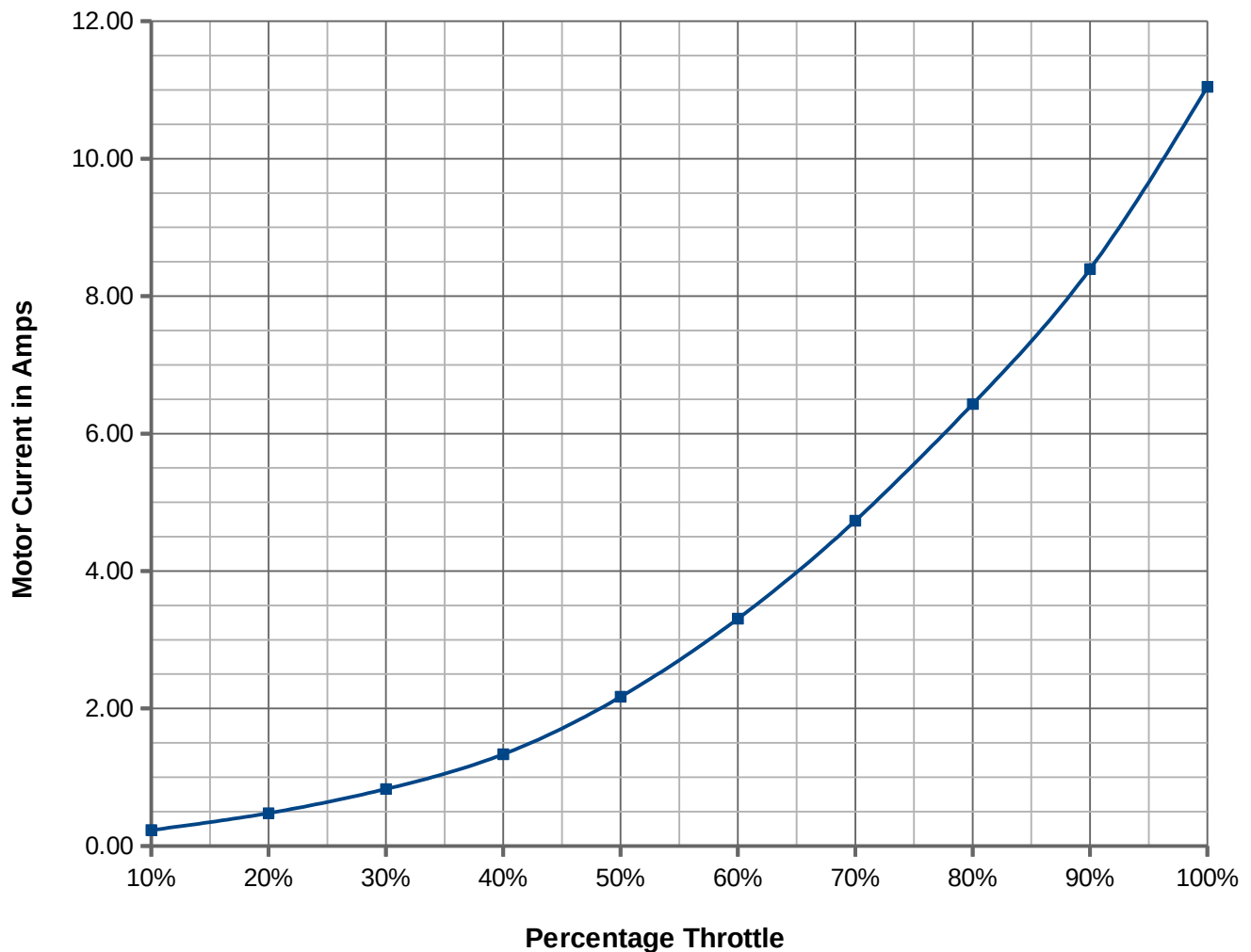


Cobra CM-1806/30 Motor Test Data, Kv=2450

Data Collected at 11.1 volts with HQ 4x4x3 Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.23	2.55	3,498	14.0	0.49	5.48
20%	0.48	5.29	5,628	32.0	1.13	6.04
30%	0.83	9.19	7,426	58.0	2.04	6.31
40%	1.33	14.81	9,213	87.0	3.07	5.88
50%	2.17	24.09	11,130	123.5	4.35	5.13
60%	3.31	36.71	13,159	174.0	6.13	4.74
70%	4.73	52.51	15,031	228.1	8.04	4.34
80%	6.43	71.37	16,769	286.4	10.09	4.01
90%	8.39	93.17	18,499	340.3	11.99	3.65
100%	11.05	122.62	19,703	414.1	14.59	3.38

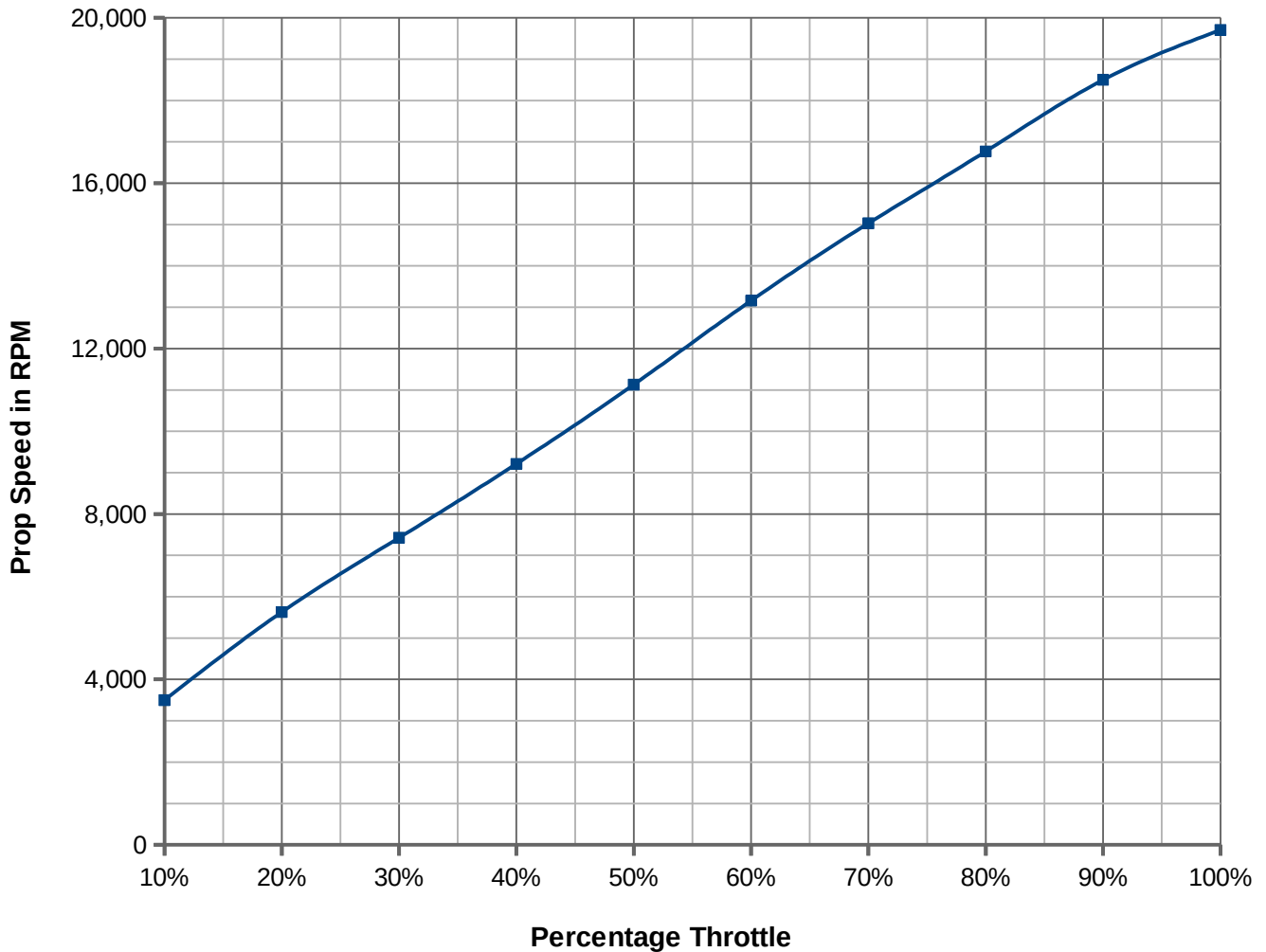
Motor Current vs Throttle Position



Cobra CM-1806/30 Motor Test Data, Kv=2450

Data Collected at 11.1 volts with HQ 4x4x3 Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.23	2.55	3,498	14.0	0.49	5.48
20%	0.48	5.29	5,628	32.0	1.13	6.04
30%	0.83	9.19	7,426	58.0	2.04	6.31
40%	1.33	14.81	9,213	87.0	3.07	5.88
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90%	8.39	93.17	18,499	340.3	11.99	3.65
100%	11.05	122.62	19,703	414.1	14.59	3.38

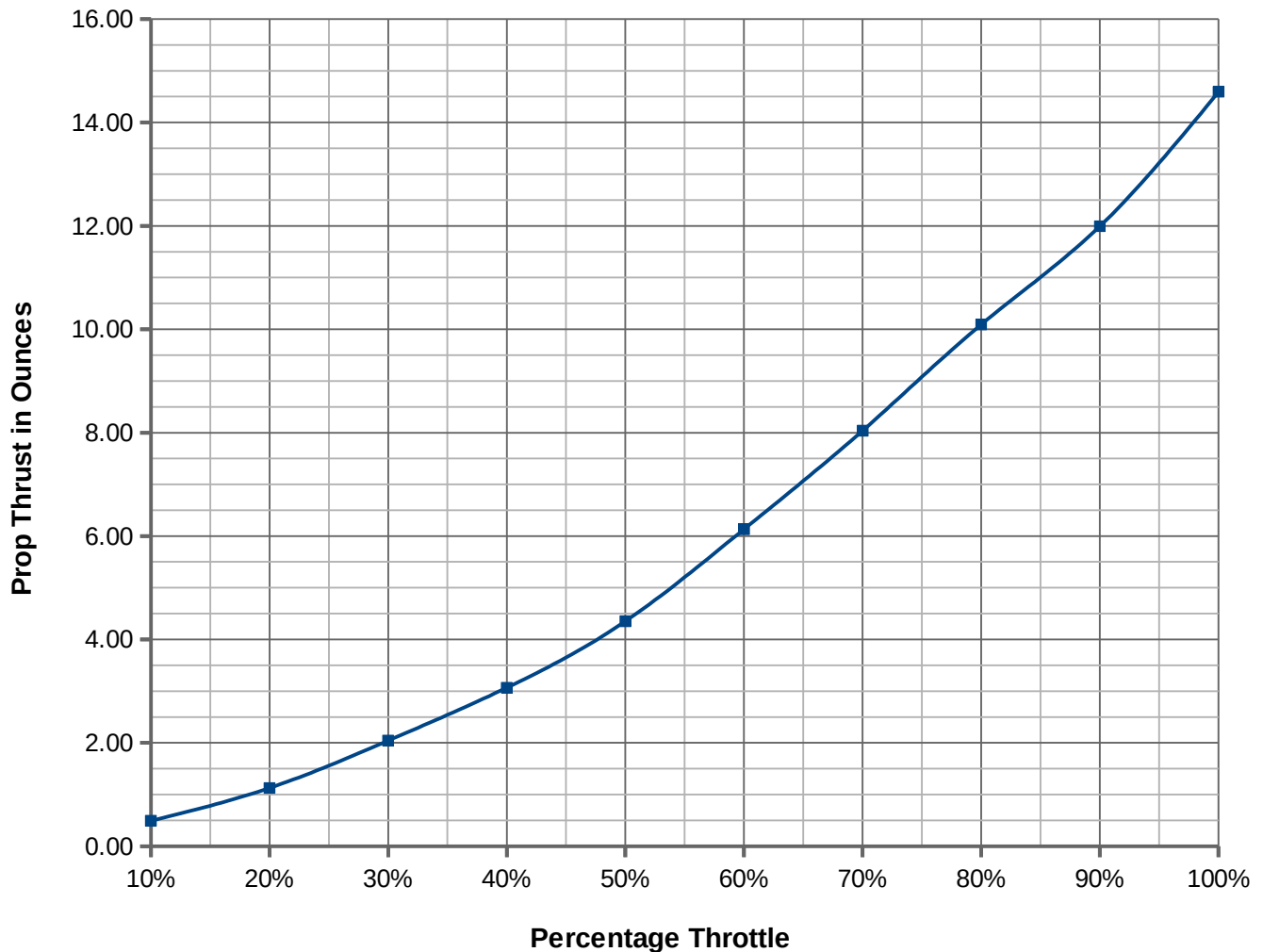
Propeller RPM vs Throttle Position



Cobra CM-1806/30 Motor Test Data, Kv=2450

Data Collected at 11.1 volts with HQ 4x4x3 Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.23	2.55	3,498	14.0	0.49	5.48
20%	0.48	5.29	5,628	32.0	1.13	6.04
30%	0.83	9.19	7,426	58.0	2.04	6.31
40%	1.33	14.81	9,213	87.0	3.07	5.88
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70%	4.73	52.51	15,031	228.1	8.04	4.34
80%	6.43	71.37	16,769	286.4	10.09	4.01
90%	8.39	93.17	18,499	340.3	11.99	3.65
100%	11.05	122.62	19,703	414.1	14.59	3.38

Propeller Thrust vs Throttle Position



Cobra CM-1806/30 Motor Test Data, Kv=2450

Data Collected at 11.1 volts with HQ 4x4x3 Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.23	2.55	3,498	14.0	0.49	5.48
20%	0.48	5.29	5,628	32.0	1.13	6.04
30%	0.83	9.19	7,426	58.0	2.04	6.31
40%	1.33	14.81	9,213	87.0	3.07	5.88
50%	2.17	24.09	11,130	123.5	4.35	5.13
60%	3.31	36.71	13,159	174.0	6.13	4.74
70%	4.73	52.51	15,031	228.1	8.04	4.34
80%	6.43	71.37	16,769	286.4	10.09	4.01
90%	8.39	93.17	18,499	340.3	11.99	3.65
100%	11.05	122.62	19,703	414.1	14.59	3.38

Propeller Efficiency vs Throttle Position

