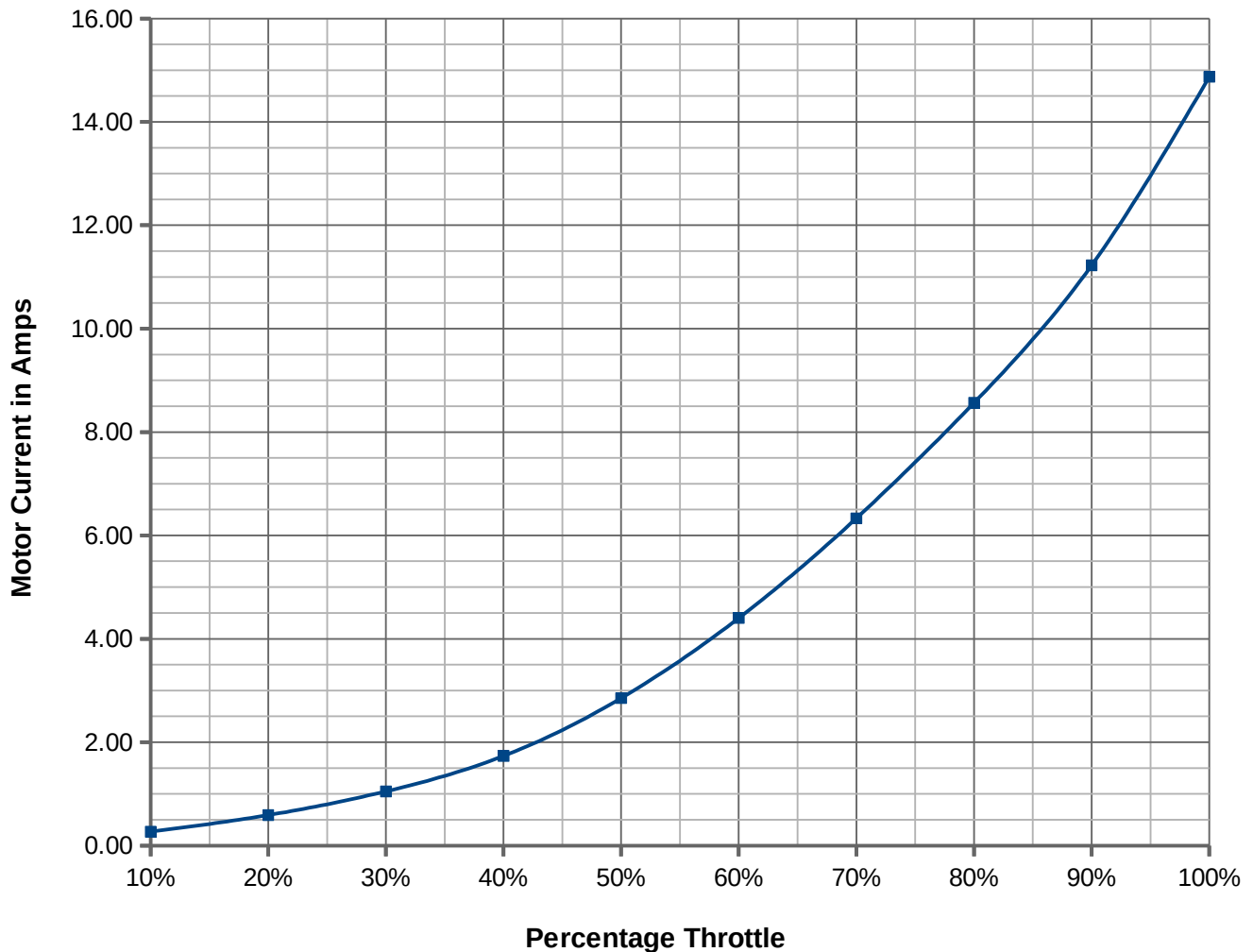


Cobra CM-1806/26 Motor Test Data, Kv=2800

Data Collected at 11.1 volts with HQ 5x4 Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.27	2.99	3,907	20.5	0.72	6.87
20%	0.59	6.55	6,400	48.5	1.71	7.41
30%	1.05	11.64	8,359	85.3	3.01	7.33
40%	1.73	19.25	10,367	125.6	4.43	6.53
50%	2.85	31.67	12,520	186.0	6.56	5.87
60%	4.40	48.85	14,817	255.6	9.01	5.23
70%	6.33	70.27	16,816	333.1	11.74	4.74
80%	8.57	95.08	18,688	409.6	14.44	4.31
90%	11.23	124.60	20,575	489.9	17.27	3.93
100%	14.87	165.07	22,461	591.5	20.85	3.58

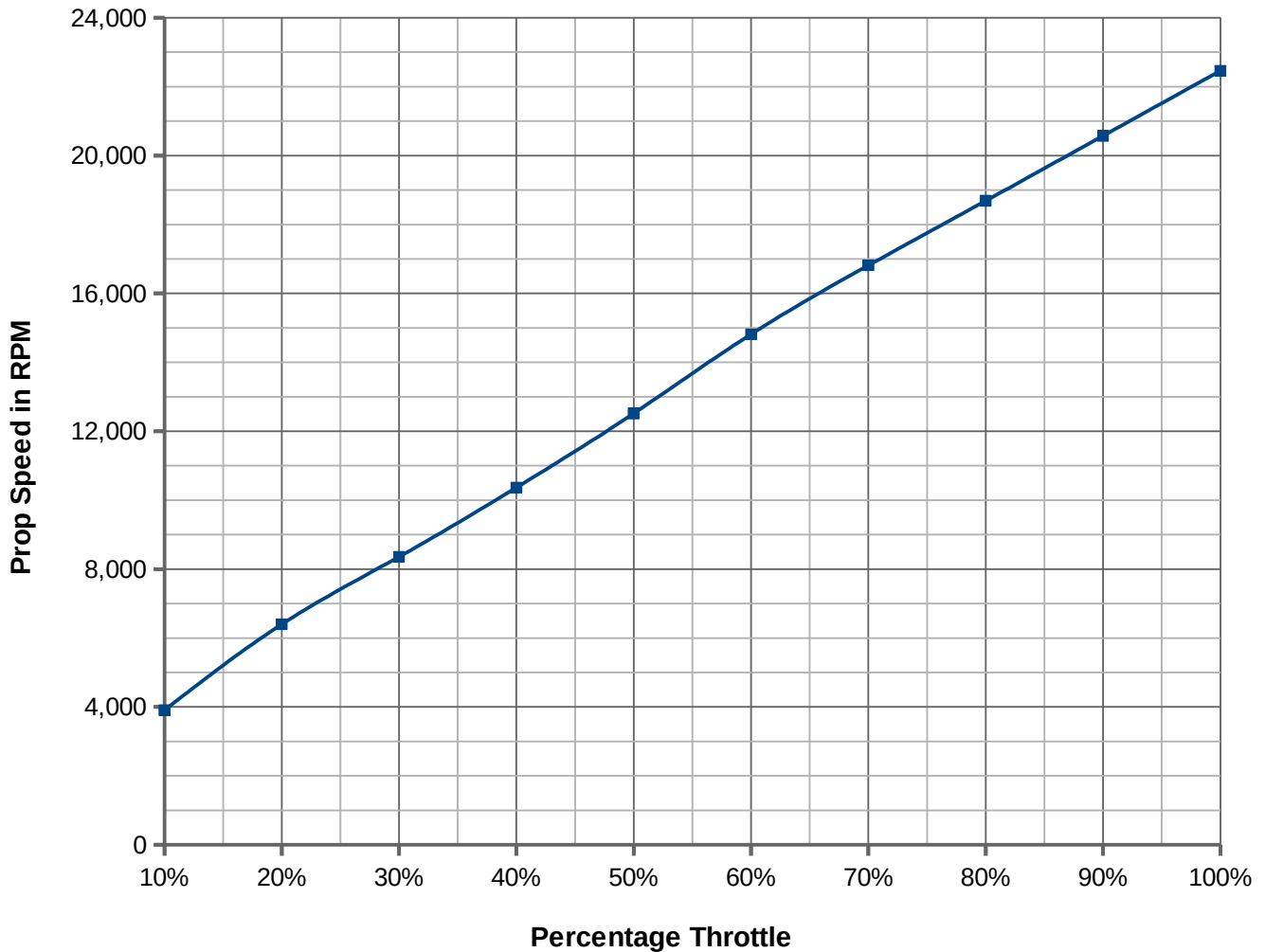
Motor Current vs Throttle Position



Cobra CM-1806/26 Motor Test Data, Kv=2800

Data Collected at 11.1 volts with HQ 5x4 Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.27	2.99	3,907	20.5	0.72	6.87
20%	0.59	6.55	6,400	48.5	1.71	7.41
30%	1.05	11.64	8,359	85.3	3.01	7.33
40%	1.73	19.25	10,367	125.6	4.43	6.53
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90%	11.23	124.60	20,575	489.9	17.27	3.93
100%	14.87	165.07	22,461	591.5	20.85	3.58

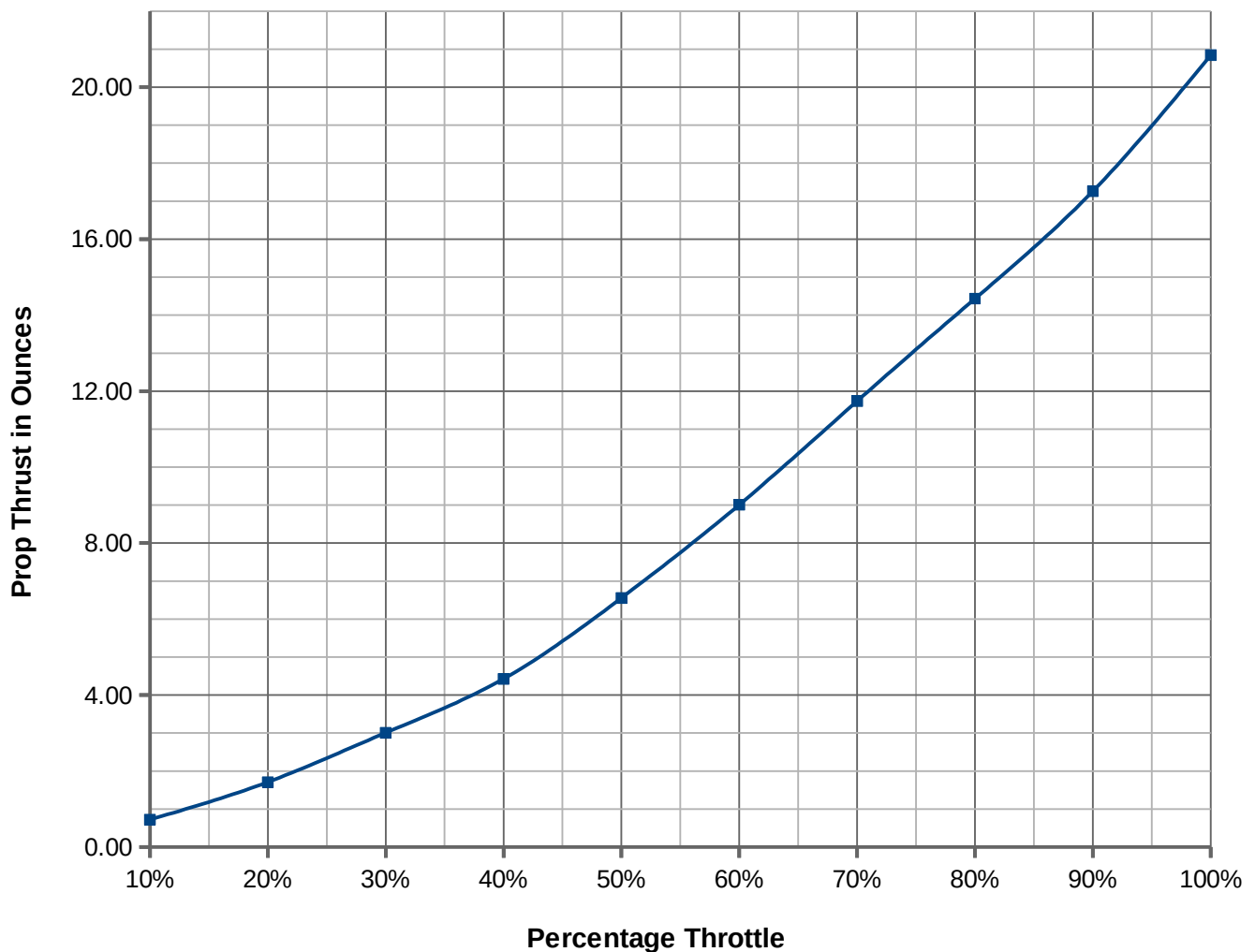
Propeller RPM vs Throttle Position



Cobra CM-1806/26 Motor Test Data, Kv=2800

Data Collected at 11.1 volts with HQ 5x4 Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.27	2.99	3,907	20.5	0.72	6.87
20%	0.59	6.55	6,400	48.5	1.71	7.41
30%	1.05	11.64	8,359	85.3	3.01	7.33
40%	1.73	19.25	10,367	125.6	4.43	6.53
50%	2.85	31.67	12,520	186.0	6.56	5.87
60%	4.40	48.85	14,817	255.6	9.01	5.23
70%	6.33	70.27	16,816	333.1	11.74	4.74
80%	8.57	95.08	18,688	409.6	14.44	4.31
90%	11.23	124.60	20,575	489.9	17.27	3.93
100%	14.87	165.07	22,461	591.5	20.85	3.58

Propeller Thrust vs Throttle Position



Cobra CM-1806/26 Motor Test Data, Kv=2800

Data Collected at 11.1 volts with HQ 5x4 Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.27	2.99	3,907	20.5	0.72	6.87
20%	0.59	6.55	6,400	48.5	1.71	7.41
30%	1.05	11.64	8,359	85.3	3.01	7.33
40%	1.73	19.25	10,367	125.6	4.43	6.53
50%	2.85	31.67	12,520	186.0	6.56	5.87
60%	4.40	48.85	14,817	255.6	9.01	5.23
70%	6.33	70.27	16,816	333.1	11.74	4.74
80%	8.57	95.08	18,688	409.6	14.44	4.31
90%	11.23	124.60	20,575	489.9	17.27	3.93
100%	14.87	165.07	22,461	591.5	20.85	3.58

Propeller Efficiency vs Throttle Position

