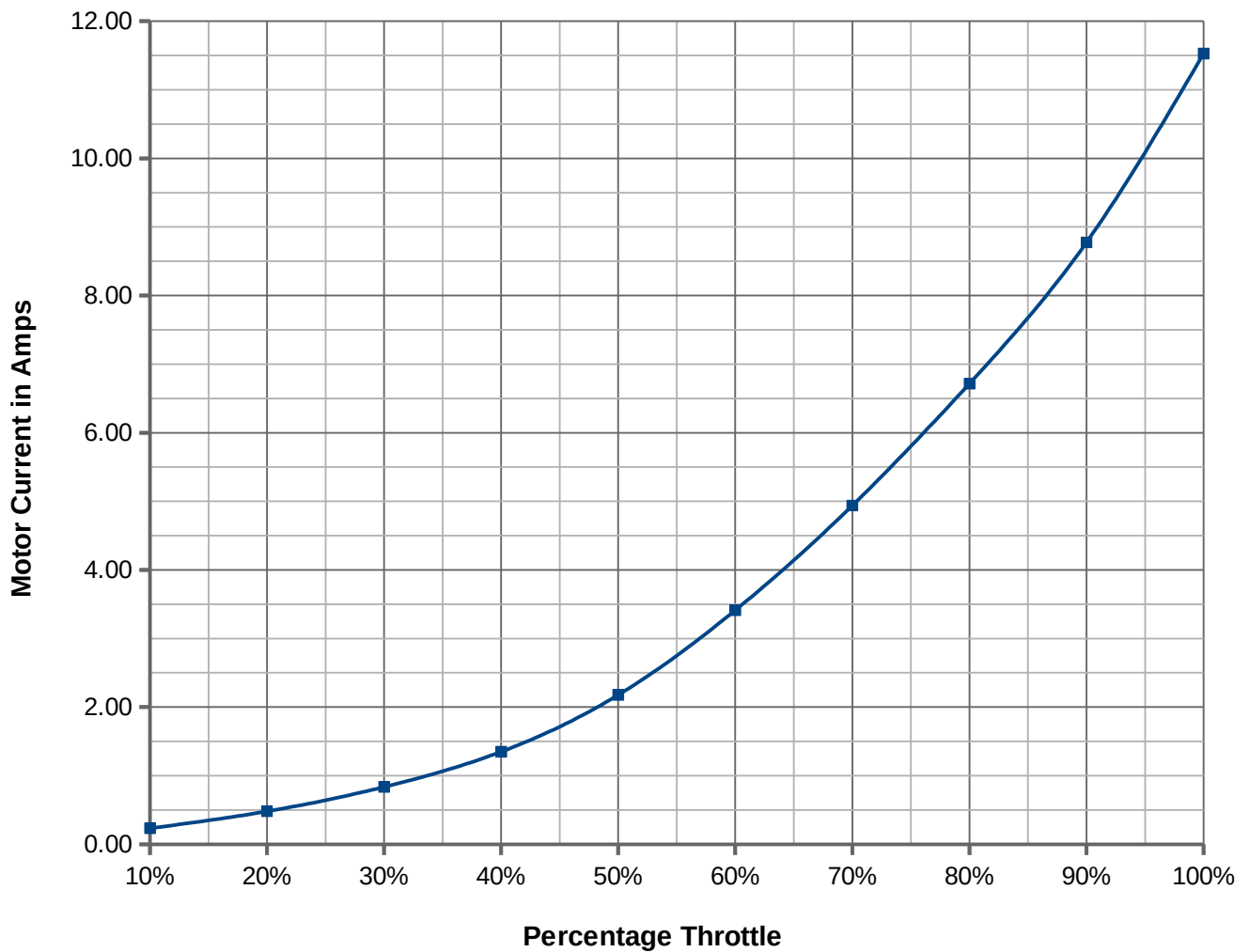


Cobra CM-1806/30 Motor Test Data, Kv=2450

Data Collected at 11.1 volts with HQ 4x4.5-BN Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.23	2.58	3,533	14.3	0.50	5.55
20%	0.48	5.33	5,638	32.0	1.13	6.01
30%	0.84	9.27	7,443	58.3	2.05	6.29
40%	1.35	14.97	9,189	85.2	3.00	5.69
50%	2.18	24.16	11,154	123.1	4.34	5.09
60%	3.41	37.87	13,160	171.0	6.03	4.52
70%	4.94	54.81	15,021	223.1	7.86	4.07
80%	6.72	74.56	16,734	279.6	9.85	3.75
90%	8.78	97.41	18,376	332.0	11.70	3.41
100%	11.53	127.96	19,572	398.4	14.04	3.11

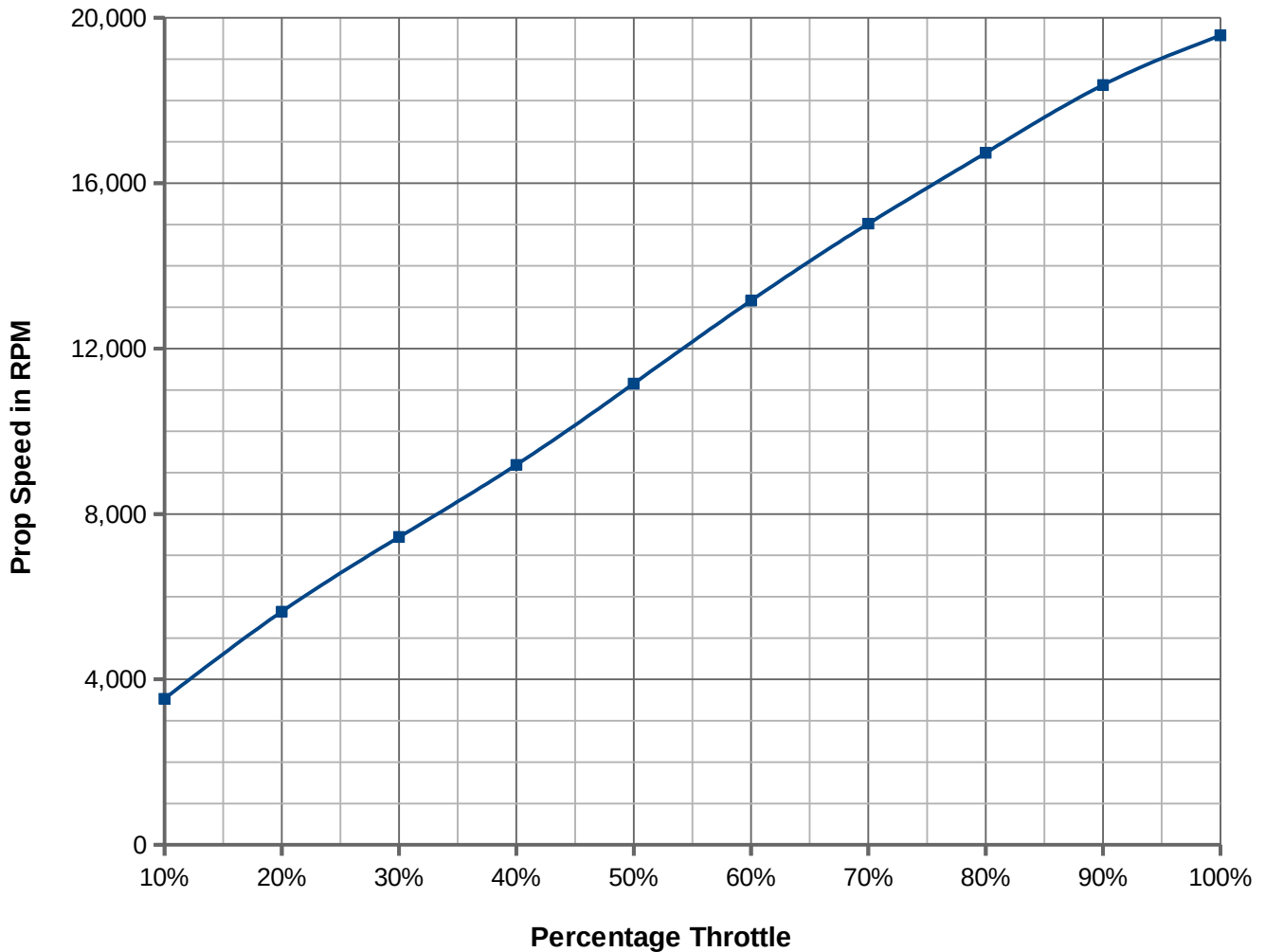
Motor Current vs Throttle Position



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

Data Collected at 11.1 volts with HQ 4x4.5-BN Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.23	2.58	3,533	14.3	0.50	5.55
20%	0.48	5.33	5,638	32.0	1.13	6.01
30%	0.84	9.27	7,443	58.3	2.05	6.29
40%	1.35	14.97	9,189	85.2	3.00	5.69
50%	2.18	24.16	11,154	123.1	4.34	5.09
60%	3.41	37.87	13,160	171.0	6.03	4.52
70%	4.94	54.81	15,021	223.1	7.86	4.07
80%	6.72	74.56	16,734	279.6	9.85	3.75
90%	8.78	97.41	18,376	332.0	11.70	3.41
100%	11.53	127.96	19,572	398.4	14.04	3.11

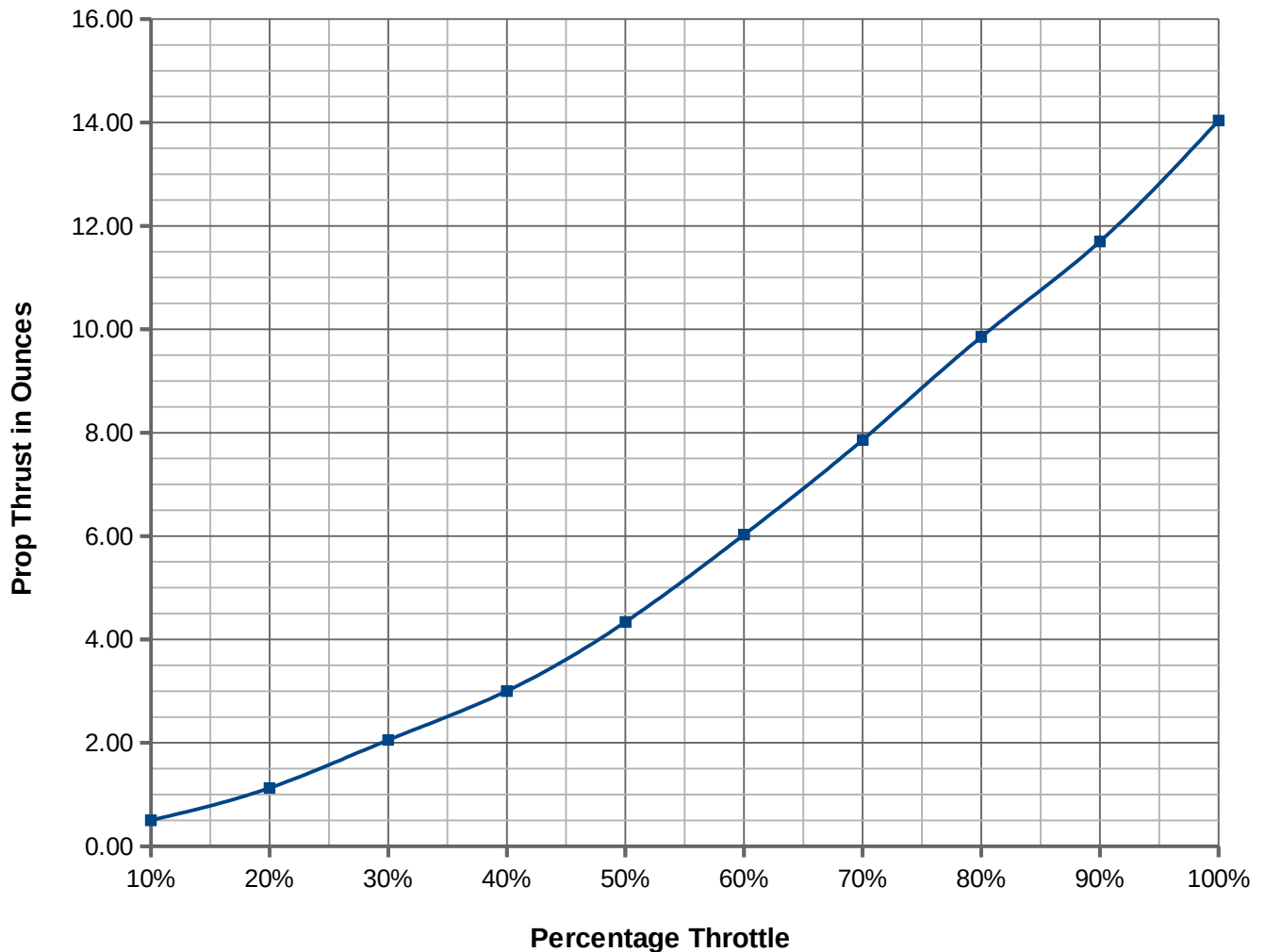
Propeller RPM vs Throttle Position



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

Data Collected at 11.1 volts with HQ 4x4.5-BN Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.23	2.58	3,533	14.3	0.50	5.55
20%	0.48	5.33	5,638	32.0	1.13	6.01
30%	0.84	9.27	7,443	58.3	2.05	6.29
40%	1.35	14.97	9,189	85.2	3.00	5.69
50%	2.18	24.16	11,154	123.1	4.34	5.09
60%	3.41	37.87	13,160	171.0	6.03	4.52
70%	4.94	54.81	15,021	223.1	7.86	4.07
80%	6.72	74.56	16,734	279.6	9.85	3.75
90%	8.78	97.41	18,376	332.0	11.70	3.41
100%	11.53	127.96	19,572	398.4	14.04	3.11

Propeller Thrust vs Throttle Position



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

Data Collected at 11.1 volts with HQ 4x4.5-BN Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.23	2.58	3,533	14.3	0.50	5.55
20%	0.48	5.33	5,638	32.0	1.13	6.01
30%	0.84	9.27	7,443	58.3	2.05	6.29
40%	1.35	14.97	9,189	85.2	3.00	5.69
50%	2.18	24.16	11,154	123.1	4.34	5.09
60%	3.41	37.87	13,160	171.0	6.03	4.52
70%	4.94	54.81	15,021	223.1	7.86	4.07
80%	6.72	74.56	16,734	279.6	9.85	3.75
90%	8.78	97.41	18,376	332.0	11.70	3.41
100%	11.53	127.96	19,572	398.4	14.04	3.11

Propeller Efficiency vs Throttle Position

