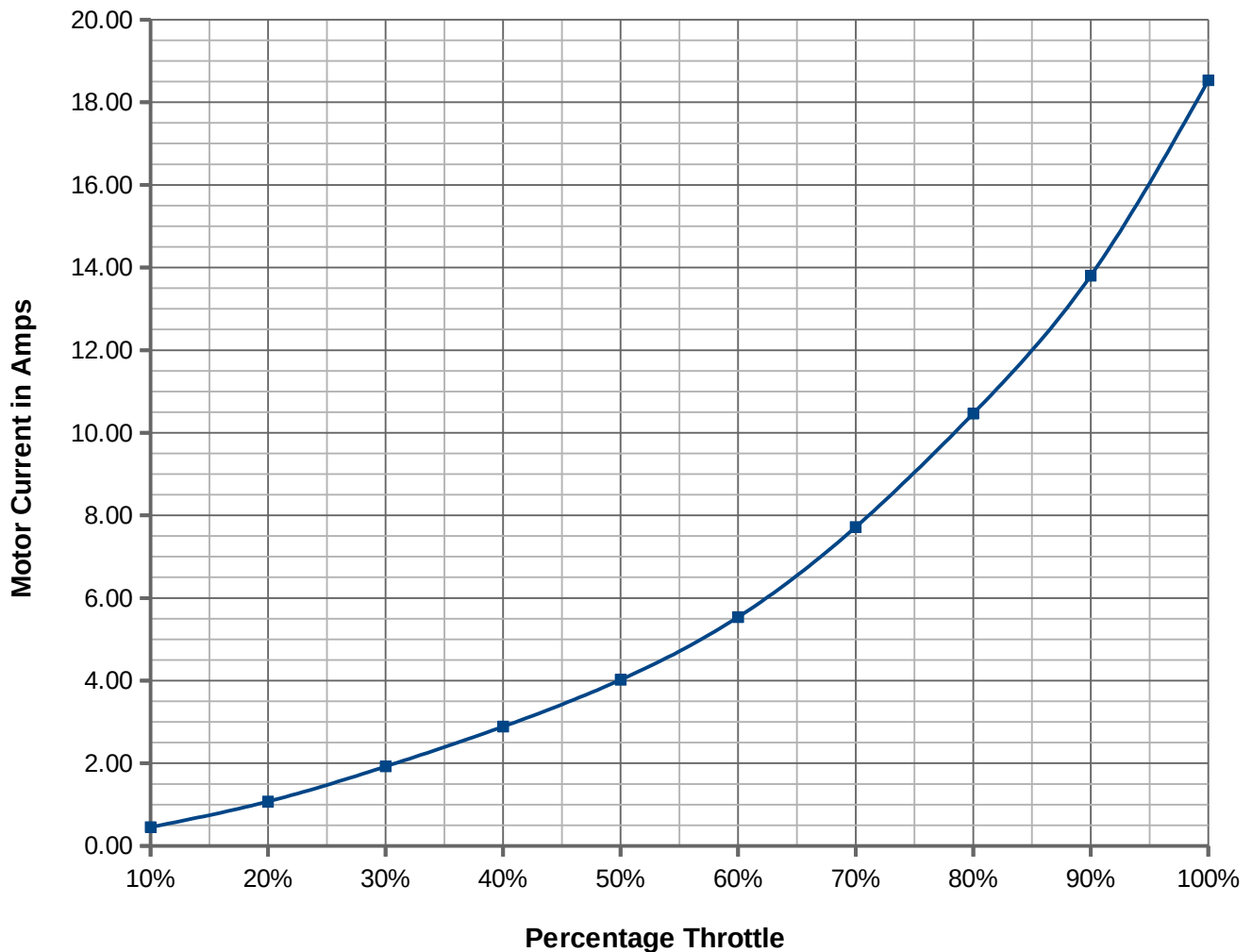


Cobra CM-2204-22 Motor Test Data, Kv=2850

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%	0.45	5.04	5,111	31.5	1.11	6.25
20%	1.07	11.92	8,097	76.3	2.69	6.40
30%	1.92	21.33	10,415	125.6	4.43	5.89
40%	2.89	32.06	12,313	175.5	6.19	5.47
50%	4.02	44.62	14,011	229.1	8.07	5.13
60%	5.54	61.48	15,964	295.5	10.41	4.81
70%	7.72	85.66	18,023	381.0	13.43	4.45
80%	10.47	116.17	20,307	477.1	16.81	4.11
90%	13.80	153.22	22,350	581.1	20.48	3.79
100%	18.53	205.68	24,772	715.2	25.21	3.48

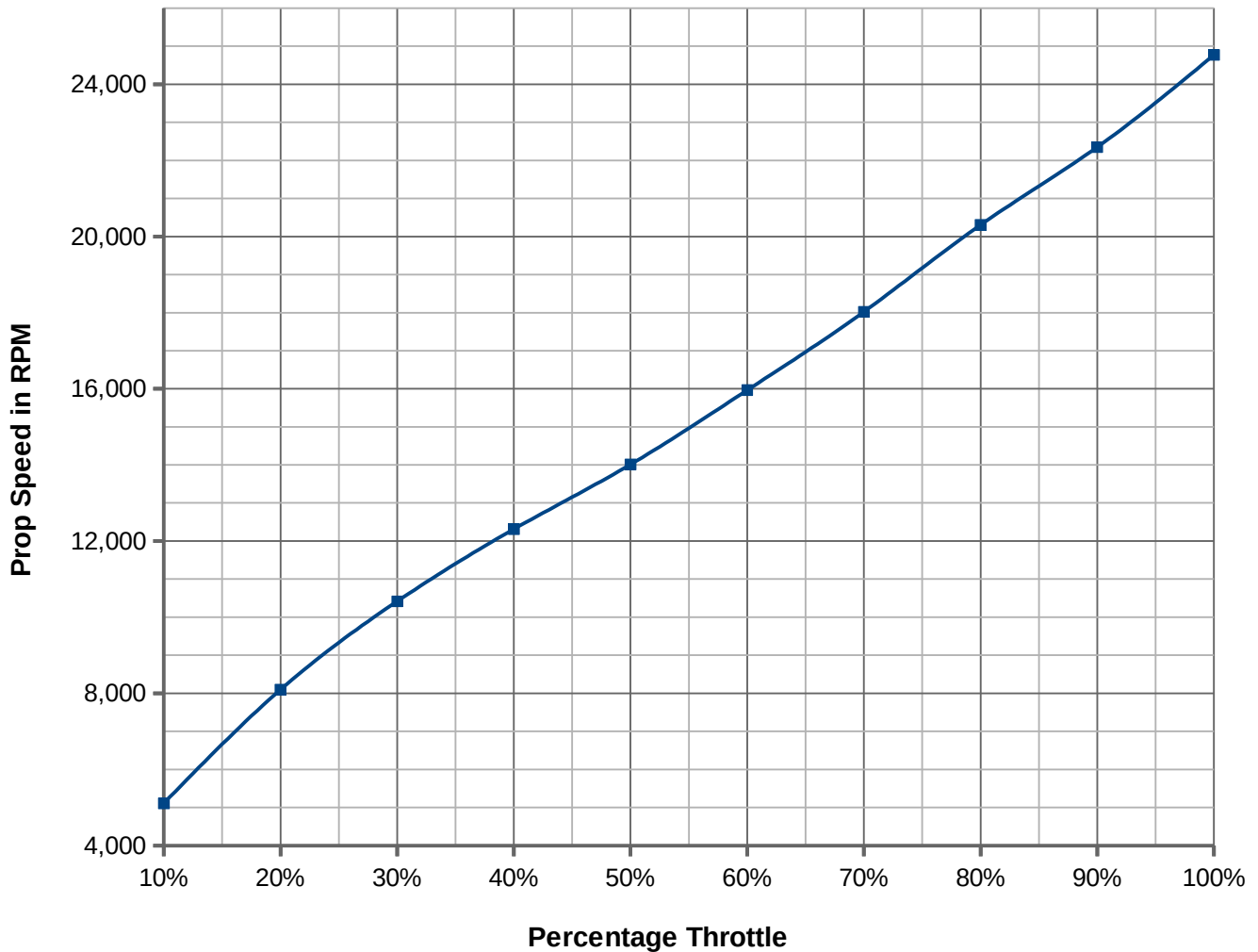
Motor Current vs Throttle Position



Cobra CM-2204-22 Motor Test Data, Kv=2850

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%	0.45	5.04	5,111	31.5	1.11	6.25
20%	1.07	11.92	8,097	76.3	2.69	6.40
30%	1.92	21.33	10,415	125.6	4.43	5.89
40%	2.89	32.06	12,313	175.5	6.19	5.47
50%	4.02	44.62	14,011	229.1	8.07	5.13
60%	5.54	61.48	15,964	295.5	10.41	4.81
70%	7.72	85.66	18,023	381.0	13.43	4.45
80%	10.47	116.17	20,307	477.1	16.81	4.11
90%	13.80	153.22	22,350	581.1	20.48	3.79
100%	18.53	205.68	24,772	715.2	25.21	3.48

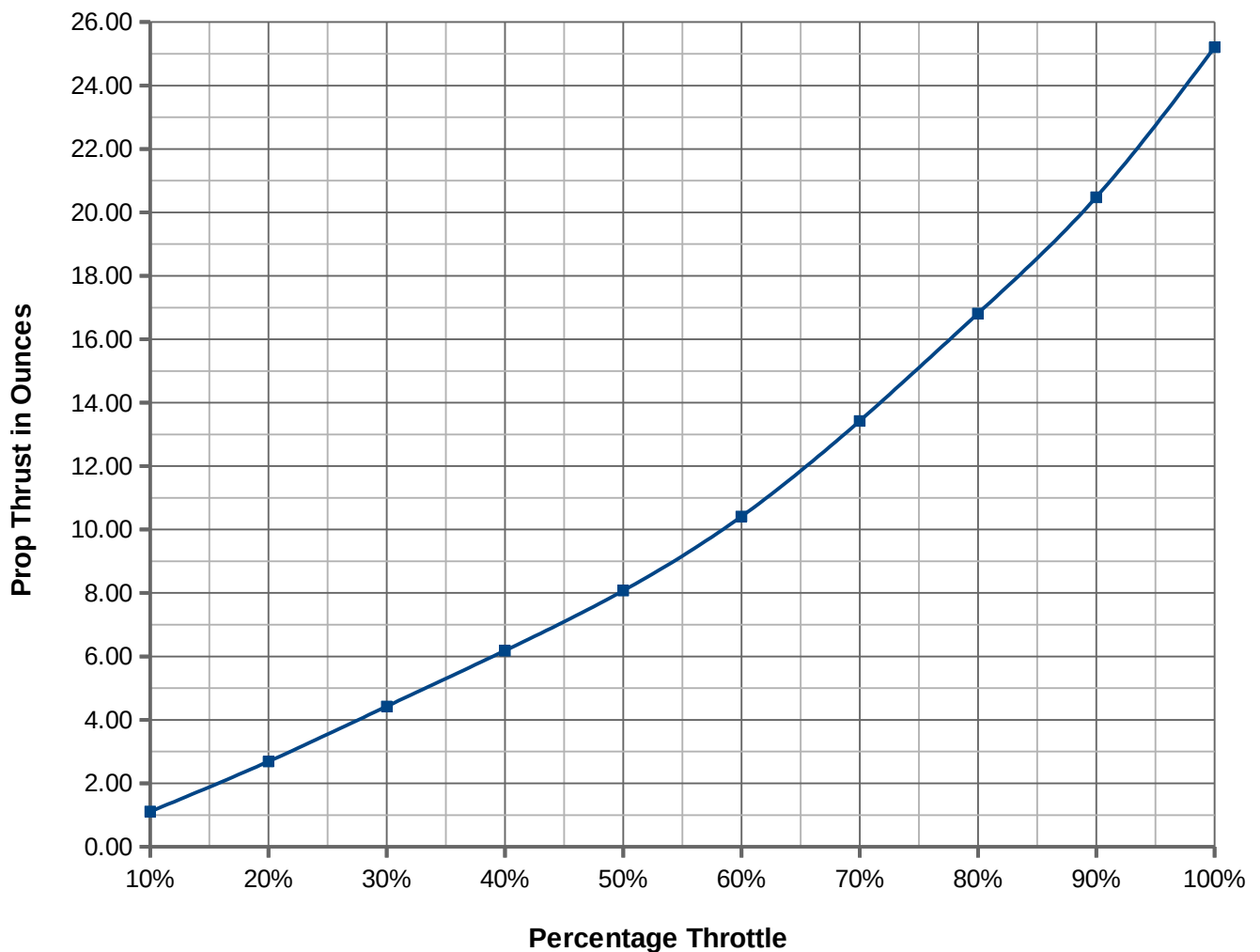
Propeller RPM vs Throttle Position



Cobra CM-2204-22 Motor Test Data, Kv=2850

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%	0.45	5.04	5,111	31.5	1.11	6.25
20%	1.07	11.92	8,097	76.3	2.69	6.40
30%	1.92	21.33	10,415	125.6	4.43	5.89
40%	2.89	32.06	12,313	175.5	6.19	5.47
50%	4.02	44.62	14,011	229.1	8.07	5.13
60%	5.54	61.48	15,964	295.5	10.41	4.81
70%	7.72	85.66	18,023	381.0	13.43	4.45
80%	10.47	116.17	20,307	477.1	16.81	4.11
90%	13.80	153.22	22,350	581.1	20.48	3.79
100%	18.53	205.68	24,772	715.2	25.21	3.48

Propeller Thrust vs Throttle Position



Cobra CM-2204-22 Motor Test Data, Kv=2850

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%	0.45	5.04	5,111	31.5	1.11	6.25
20%	1.07	11.92	8,097	76.3	2.69	6.40
30%	1.92	21.33	10,415	125.6	4.43	5.89
40%	2.89	32.06	12,313	175.5	6.19	5.47
50%	4.02	44.62	14,011	229.1	8.07	5.13
60%	5.54	61.48	15,964	295.5	10.41	4.81
70%	7.72	85.66	18,023	381.0	13.43	4.45
80%	10.47	116.17	20,307	477.1	16.81	4.11
90%	13.80	153.22	22,350	581.1	20.48	3.79
100%	18.53	205.68	24,772	715.2	25.21	3.48

Propeller Efficiency vs Throttle Position

