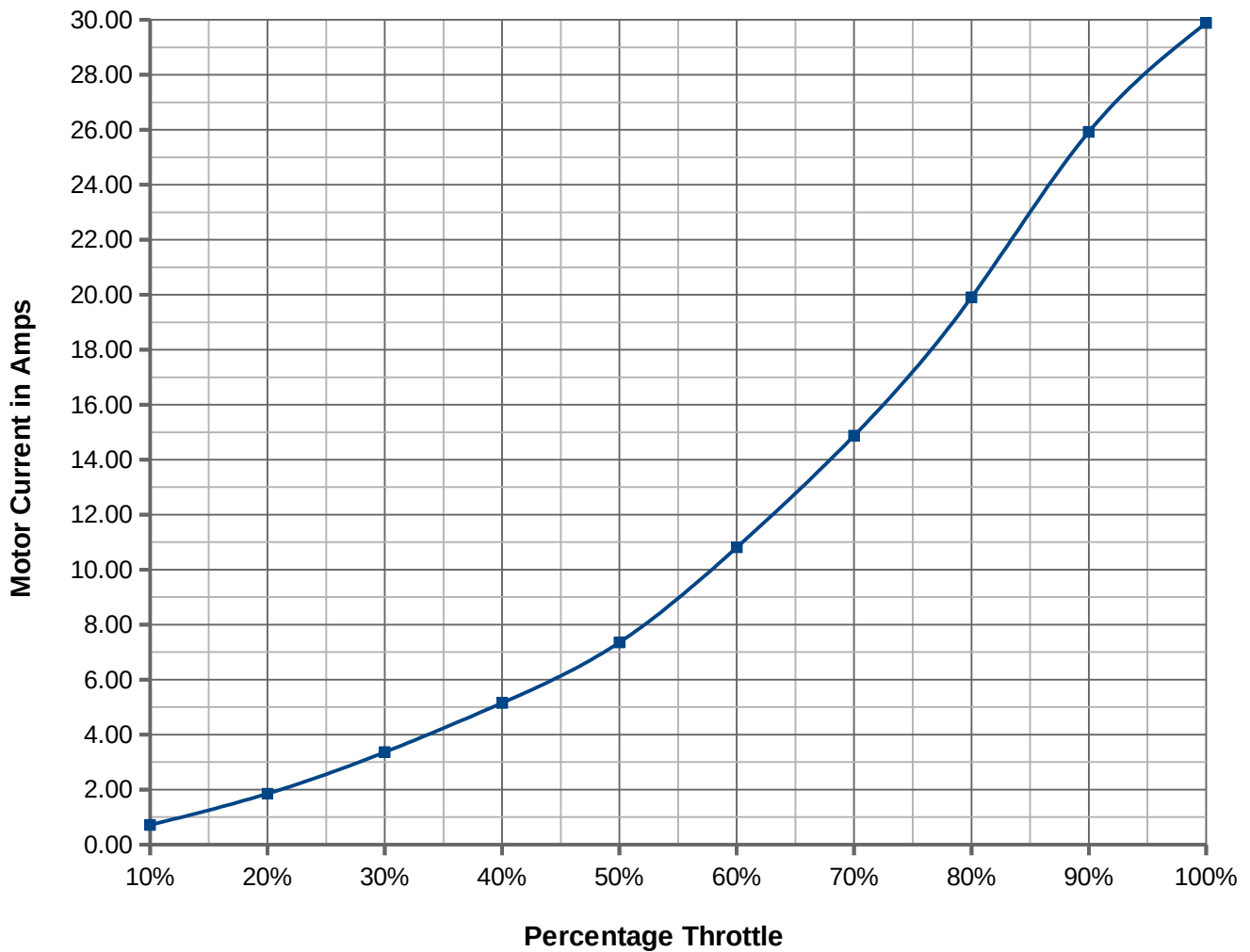


Cobra CM-2213/12 Motor Test Data, Kv=2000

Data Collected at 11.1 volts with HQ 7x4.5 Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.71	7.90	3,811	64.7	2.28	8.19
20%	1.85	20.54	5,829	150.4	5.30	7.32
30%	3.36	37.30	7,414	242.0	8.53	6.49
40%	5.15	57.17	8,726	338.2	11.92	5.92
50%	7.35	81.62	9,981	448.4	15.80	5.49
60%	10.81	119.96	11,493	596.8	21.03	4.98
70%	14.88	165.12	12,926	746.7	26.32	4.52
80%	19.91	220.97	14,245	916.1	32.29	4.15
90%	25.93	287.78	15,586	1090.7	38.44	3.79
100%	29.88	331.70	16,292	1200.1	42.29	3.62

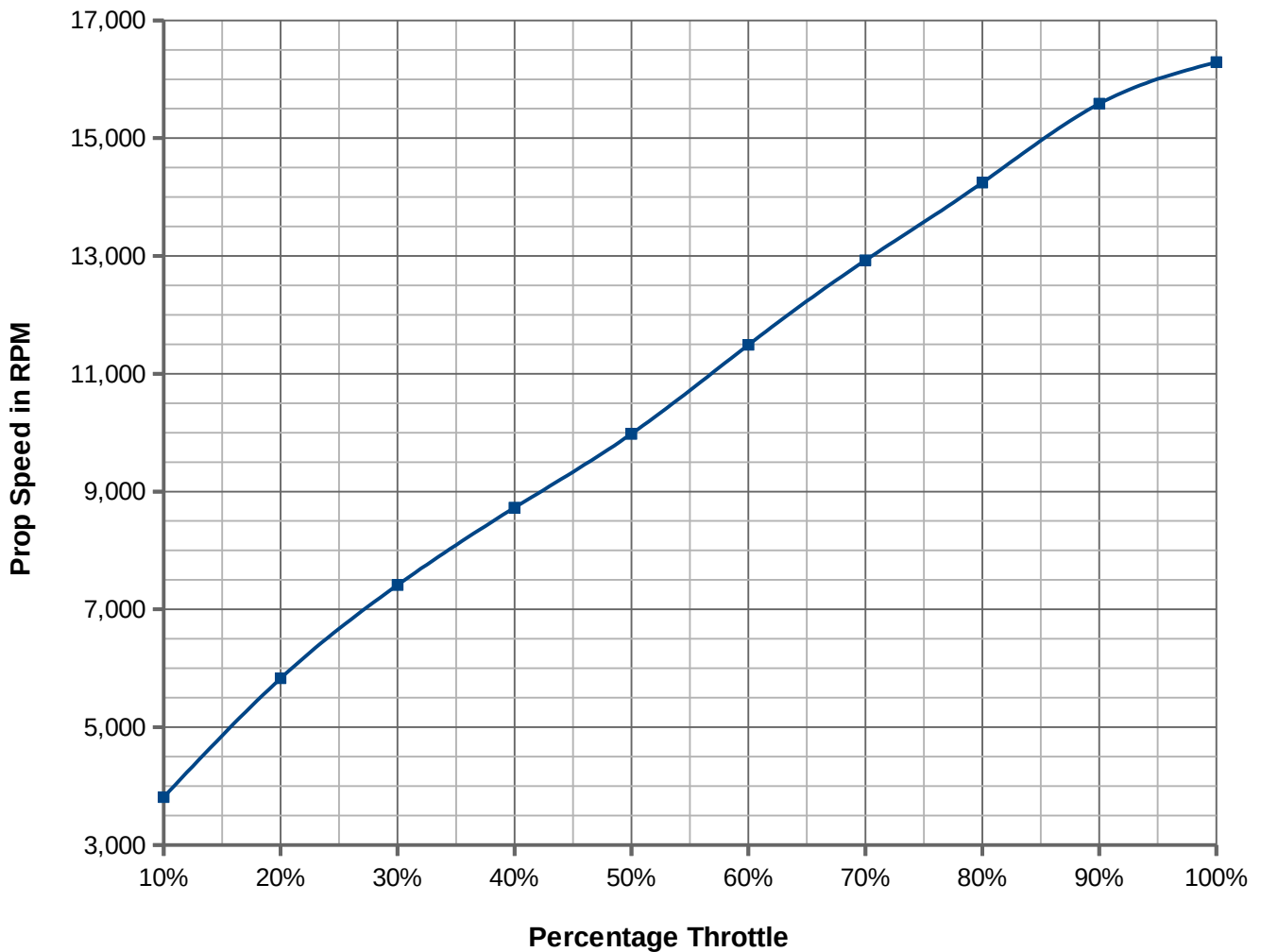
Motor Current vs Throttle Position



Cobra CM-2213/12 Motor Test Data, Kv=2000

Data Collected at 11.1 volts with HQ 7x4.5 Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.71	7.90	3,811	64.7	2.28	8.19
20%	1.85	20.54	5,829	150.4	5.30	7.32
30%	3.36	37.30	7,414	242.0	8.53	6.49
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90%	25.93	287.78	15,586	1090.7	38.44	3.79
100%	29.88	331.70	16,292	1200.1	42.29	3.62

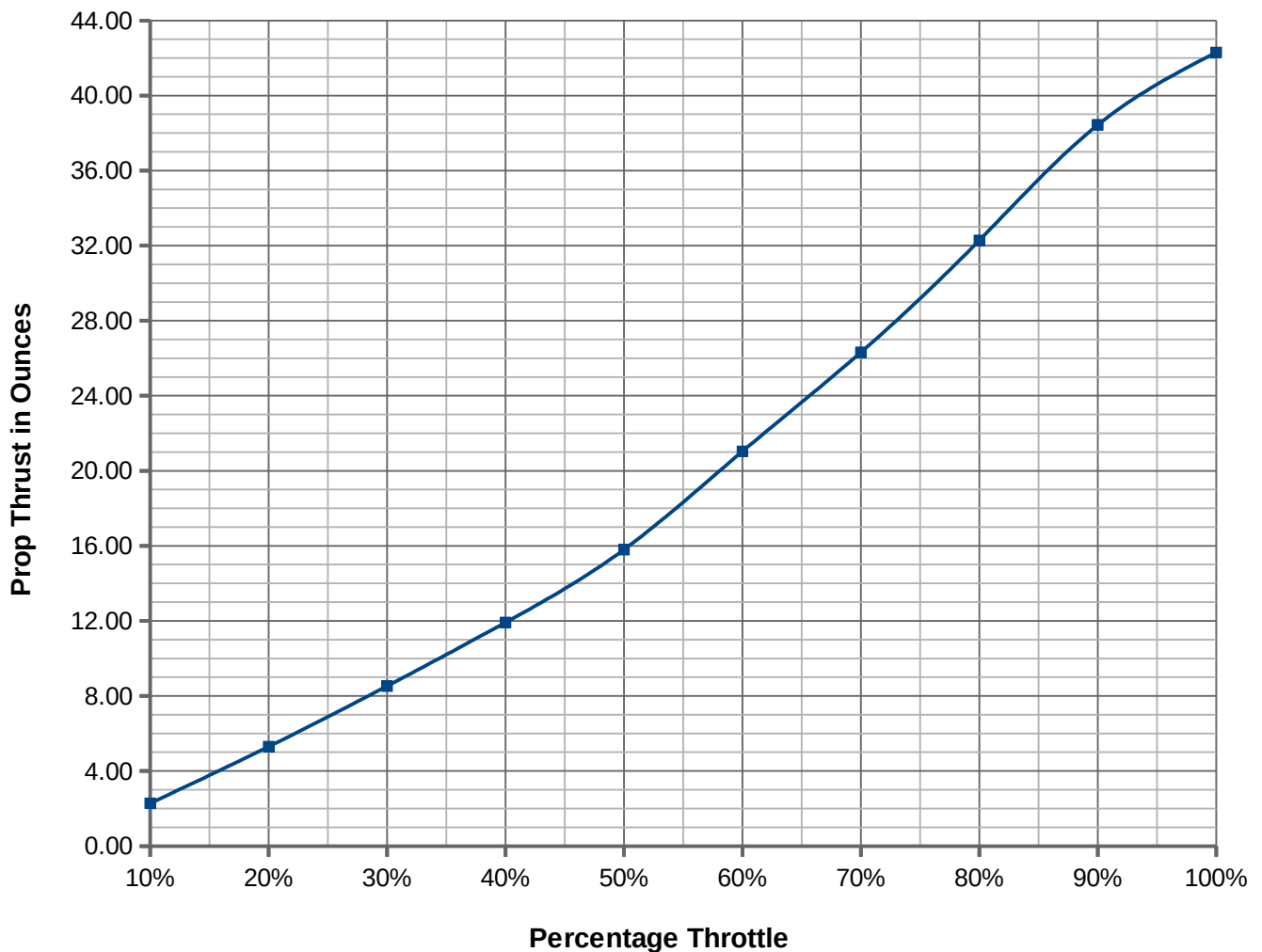
Propeller RPM vs Throttle Position



Cobra CM-2213/12 Motor Test Data, Kv=2000

Data Collected at 11.1 volts with HQ 7x4.5 Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.71	7.90	3,811	64.7	2.28	8.19
20%	1.85	20.54	5,829	150.4	5.30	7.32
30%	3.36	37.30	7,414	242.0	8.53	6.49
40%	5.15	57.17	8,726	338.2	11.92	5.92
50%	7.35	81.62	9,981	448.4	15.80	5.49
60%	10.81	119.96	11,493	596.8	21.03	4.98
70%	14.88	165.12	12,926	746.7	26.32	4.52
80%	19.91	220.97	14,245	916.1	32.29	4.15
90%	25.93	287.78	15,586	1090.7	38.44	3.79
100%	29.88	331.70	16,292	1200.1	42.29	3.62

Propeller Thrust vs Throttle Position



Cobra CM-2213/12 Motor Test Data, Kv=2000

Data Collected at 11.1 volts with HQ 7x4.5 Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.71	7.90	3,811	64.7	2.28	8.19
20%	1.85	20.54	5,829	150.4	5.30	7.32
30%	3.36	37.30	7,414	242.0	8.53	6.49
40%	5.15	57.17	8,726	338.2	11.92	5.92
50%	7.35	81.62	9,981	448.4	15.80	5.49
60%	10.81	119.96	11,493	596.8	21.03	4.98
70%	14.88	165.12	12,926	746.7	26.32	4.52
80%	19.91	220.97	14,245	916.1	32.29	4.15
90%	25.93	287.78	15,586	1090.7	38.44	3.79
100%	29.88	331.70	16,292	1200.1	42.29	3.62

Propeller Efficiency vs Throttle Position

