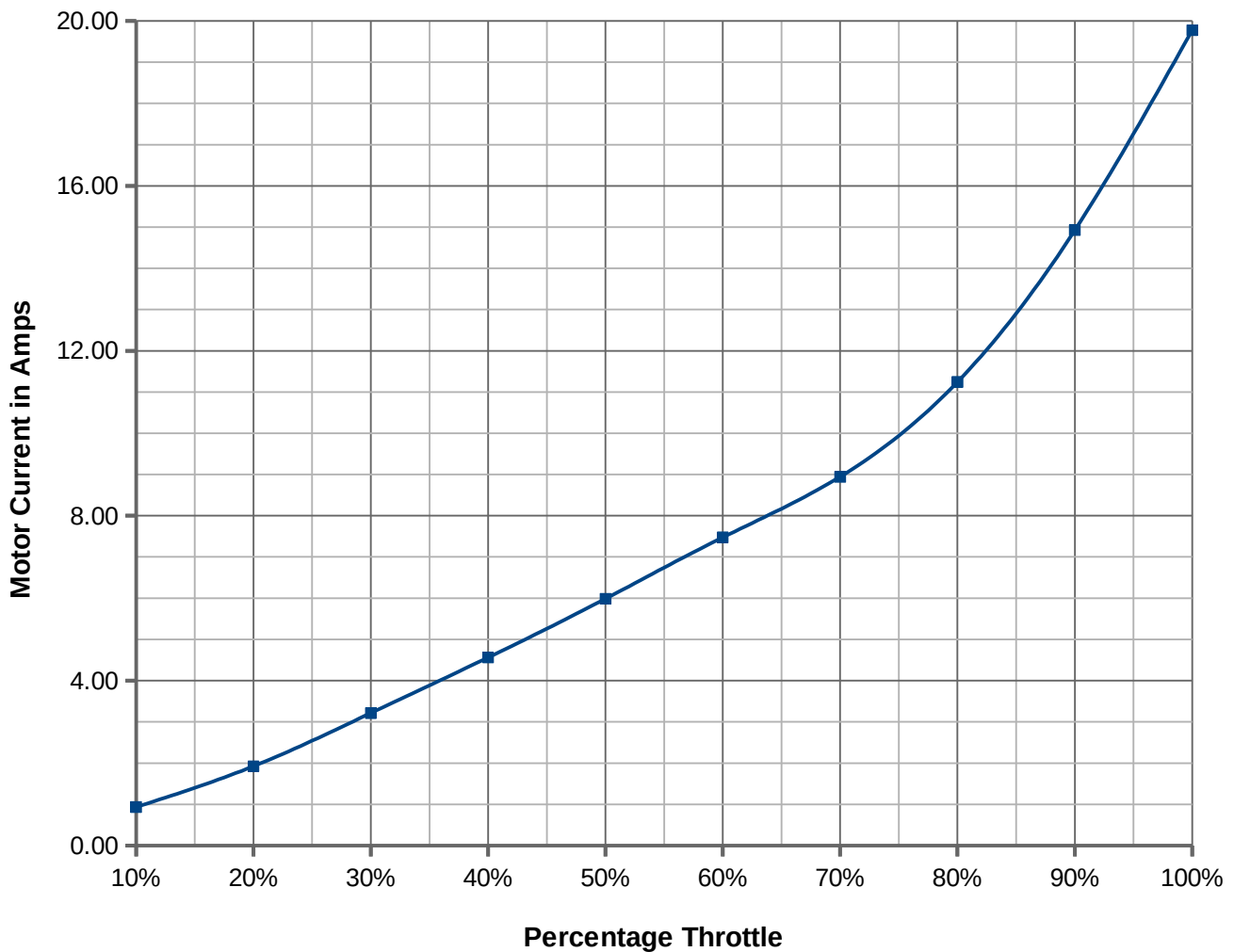


Cobra CM-2205-2300 Champion Motor Test Data

Data Collected at 22.2 volts with HQ 4x4.5 Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.94	20.76	12,620	70.1	2.47	3.38
20%	1.92	42.71	17,711	139.6	4.92	3.27
30%	3.21	71.33	21,915	214.1	7.55	3.00
40%	4.56	101.28	25,129	283.6	10.00	2.80
50%	5.99	132.91	27,814	350.9	12.38	2.64
60%	7.48	165.95	30,267	413.1	14.57	2.49
70%	8.94	198.56	32,357	478.5	16.88	2.41
80%	11.24	249.62	35,356	567.8	20.03	2.27
90%	14.93	331.36	39,033	699.5	24.67	2.11
100%	19.77	438.96	43,038	849.0	29.95	1.93

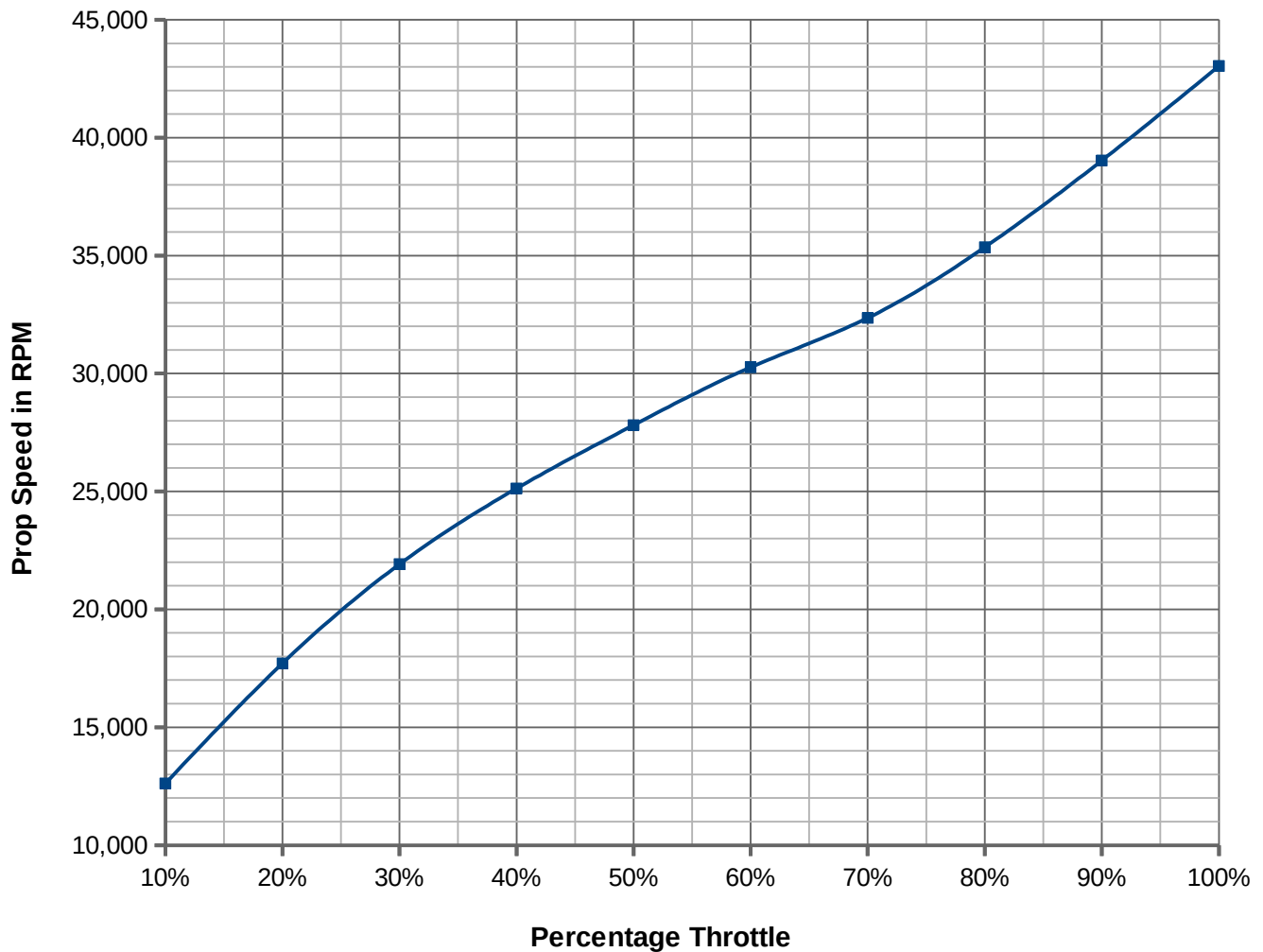
Motor Current vs Throttle Position



Cobra CM-2205-2300 Champion Motor Test Data

Data Collected at 22.2 volts with HQ 4x4.5 Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.94	20.76	12,620	70.1	2.47	3.38
20%	1.92	42.71	17,711	139.6	4.92	3.27
30%	3.21	71.33	21,915	214.1	7.55	3.00
40%	4.56	101.28	25,129	283.6	10.00	2.80
50%	5.99	132.91	27,814	350.9	12.38	2.64
60%	7.48	165.95	30,267	413.1	14.57	2.49
70%	8.94	198.56	32,357	478.5	16.88	2.41
80%	11.24	249.62	35,356	567.8	20.03	2.27
90%	14.93	331.36	39,033	699.5	24.67	2.11
100%	19.77	438.96	43,038	849.0	29.95	1.93

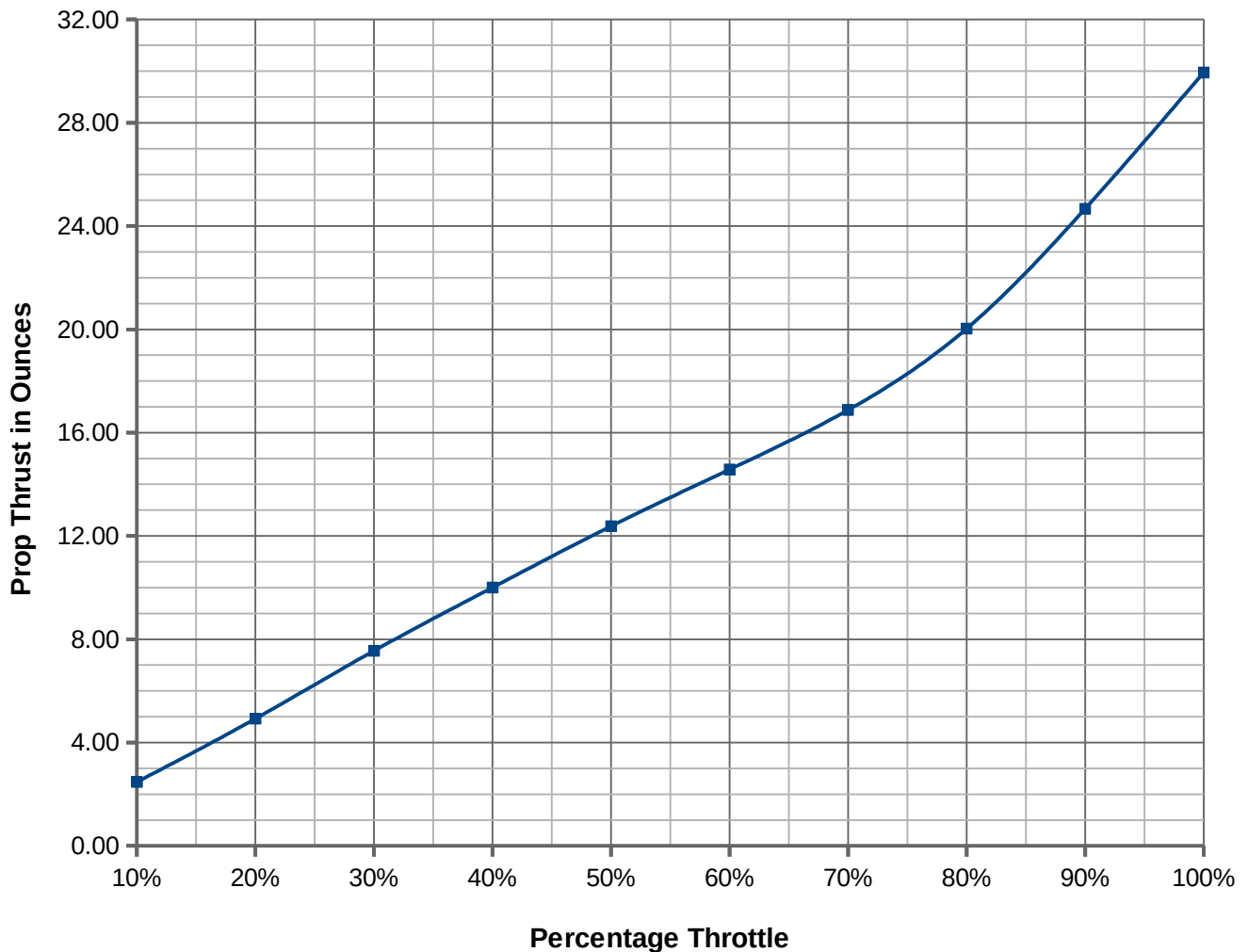
Propeller RPM vs Throttle Position



Cobra CM-2205-2300 Champion Motor Test Data

Data Collected at 22.2 volts with HQ 4x4.5 Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.94	20.76	12,620	70.1	2.47	3.38
20%	1.92	42.71	17,711	139.6	4.92	3.27
30%	3.21	71.33	21,915	214.1	7.55	3.00
40%	4.56	101.28	25,129	283.6	10.00	2.80
50%	5.99	132.91	27,814	350.9	12.38	2.64
60%	7.48	165.95	30,267	413.1	14.57	2.49
70%	8.94	198.56	32,357	478.5	16.88	2.41
80%	11.24	249.62	35,356	567.8	20.03	2.27
90%	14.93	331.36	39,033	699.5	24.67	2.11
100%	19.77	438.96	43,038	849.0	29.95	1.93

Propeller Thrust vs Throttle Position



Cobra CM-2205-2300 Champion Motor Test Data

Data Collected at 22.2 volts with HQ 4x4.5 Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.94	20.76	12,620	70.1	2.47	3.38
20%	1.92	42.71	17,711	139.6	4.92	3.27
30%	3.21	71.33	21,915	214.1	7.55	3.00
40%	4.56	101.28	25,129	283.6	10.00	2.80
50%	5.99	132.91	27,814	350.9	12.38	2.64
60%	7.48	165.95	30,267	413.1	14.57	2.49
70%	8.94	198.56	32,357	478.5	16.88	2.41
80%	11.24	249.62	35,356	567.8	20.03	2.27
90%	14.93	331.36	39,033	699.5	24.67	2.11
100%	19.77	438.96	43,038	849.0	29.95	1.93

Propeller Efficiency vs Throttle Position

