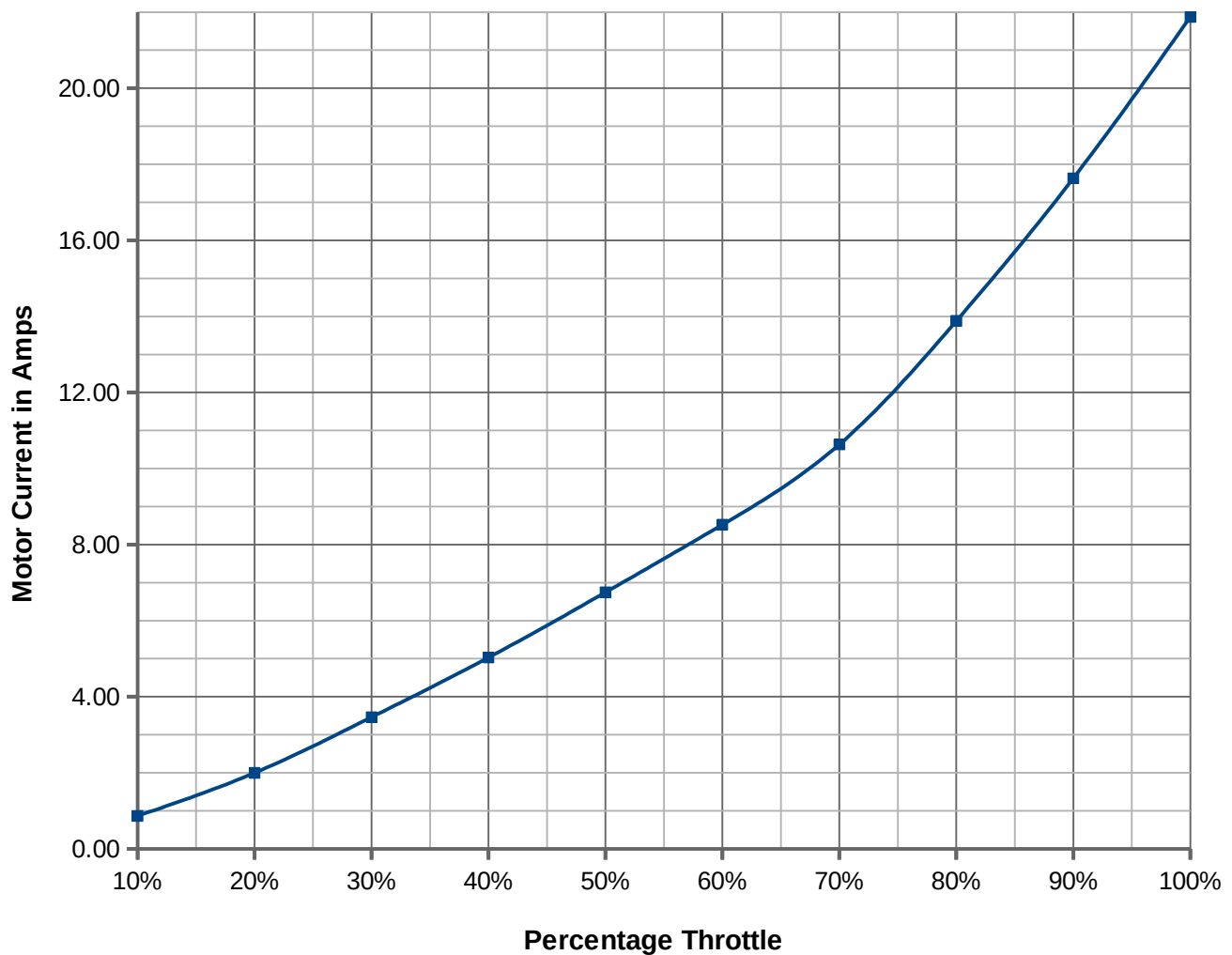


Cobra CM-2205-2300 Champion Motor Test Data

Data Collected at 22.2 volts with HQ 4x4 Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.87	19.25	9,956	70.2	2.48	3.65
20%	2.00	44.33	14,527	154.7	5.46	3.49
30%	3.46	76.88	18,483	245.8	8.67	3.20
40%	5.03	111.67	21,708	334.1	11.78	2.99
50%	6.75	149.74	24,673	421.9	14.88	2.82
60%	8.52	189.21	27,200	512.9	18.09	2.71
70%	10.63	236.05	30,035	611.9	21.58	2.59
80%	13.88	308.16	33,661	757.8	26.73	2.46
90%	17.63	391.45	37,171	915.8	32.30	2.34
100%	21.87	485.56	40,528	1066.8	37.63	2.20

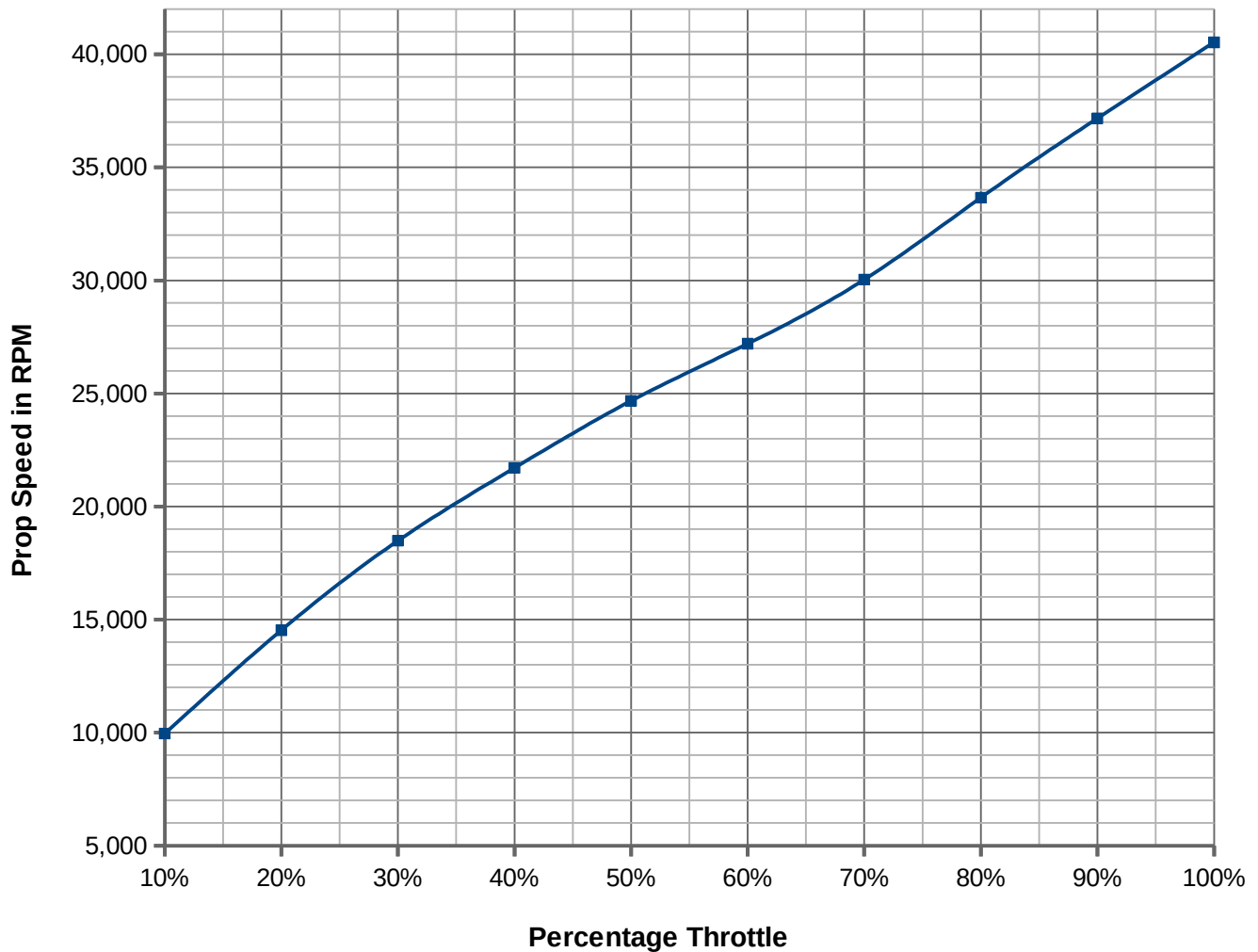
Motor Current vs Throttle Position



Cobra CM-2205-2300 Champion Motor Test Data

Data Collected at 22.2 volts with HQ 4x4 Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.87	19.25	9,956	70.2	2.48	3.65
20%	2.00	44.33	14,527	154.7	5.46	3.49
30%	3.46	76.88	18,483	245.8	8.67	3.20
40%	5.03	111.67	21,708	334.1	11.78	2.99
50%	6.75	149.74	24,673	421.9	14.88	2.82
60%	8.52	189.21	27,200	512.9	18.09	2.71
70%	10.63	236.05	30,035	611.9	21.58	2.59
80%	13.88	308.16	33,661	757.8	26.73	2.46
90%	17.63	391.45	37,171	915.8	32.30	2.34
100%	21.87	485.56	40,528	1066.8	37.63	2.20

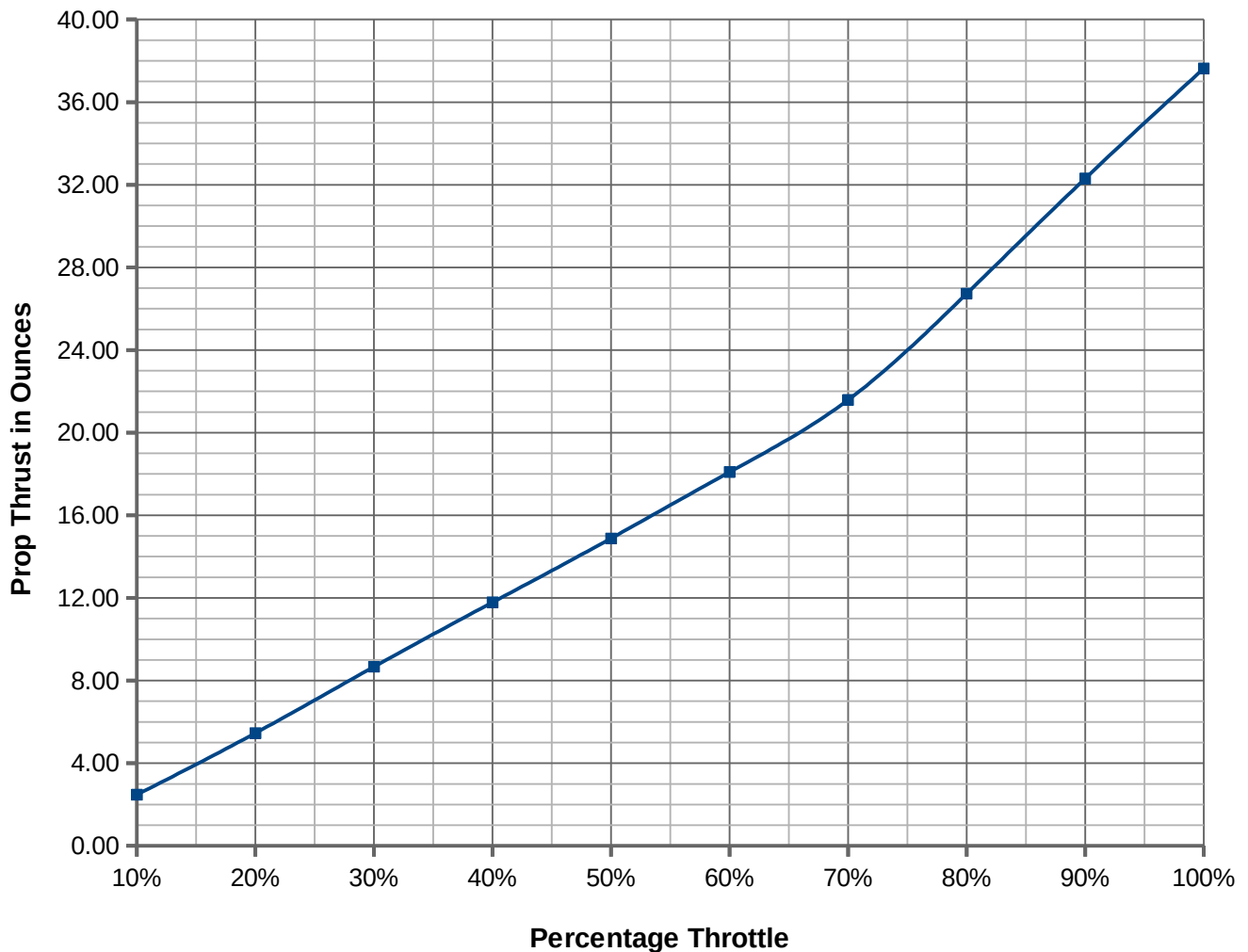
Propeller RPM vs Throttle Position



Cobra CM-2205-2300 Champion Motor Test Data

Data Collected at 22.2 volts with HQ 4x4 Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.87	19.25	9,956	70.2	2.48	3.65
20%	2.00	44.33	14,527	154.7	5.46	3.49
30%	3.46	76.88	18,483	245.8	8.67	3.20
40%	5.03	111.67	21,708	334.1	11.78	2.99
50%	6.75	149.74	24,673	421.9	14.88	2.82
60%	8.52	189.21	27,200	512.9	18.09	2.71
70%	10.63	236.05	30,035	611.9	21.58	2.59
80%	13.88	308.16	33,661	757.8	26.73	2.46
90%	17.63	391.45	37,171	915.8	32.30	2.34
100%	21.87	485.56	40,528	1066.8	37.63	2.20

Propeller Thrust vs Throttle Position



Cobra CM-2205-2300 Champion Motor Test Data

Data Collected at 22.2 volts with HQ 4x4 Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.87	19.25	9,956	70.2	2.48	3.65
20%	2.00	44.33	14,527	154.7	5.46	3.49
30%	3.46	76.88	18,483	245.8	8.67	3.20
40%	5.03	111.67	21,708	334.1	11.78	2.99
50%	6.75	149.74	24,673	421.9	14.88	2.82
60%	8.52	189.21	27,200	512.9	18.09	2.71
70%	10.63	236.05	30,035	611.9	21.58	2.59
80%	13.88	308.16	33,661	757.8	26.73	2.46
90%	17.63	391.45	37,171	915.8	32.30	2.34
100%	21.87	485.56	40,528	1066.8	37.63	2.20

Propeller Efficiency vs Throttle Position

