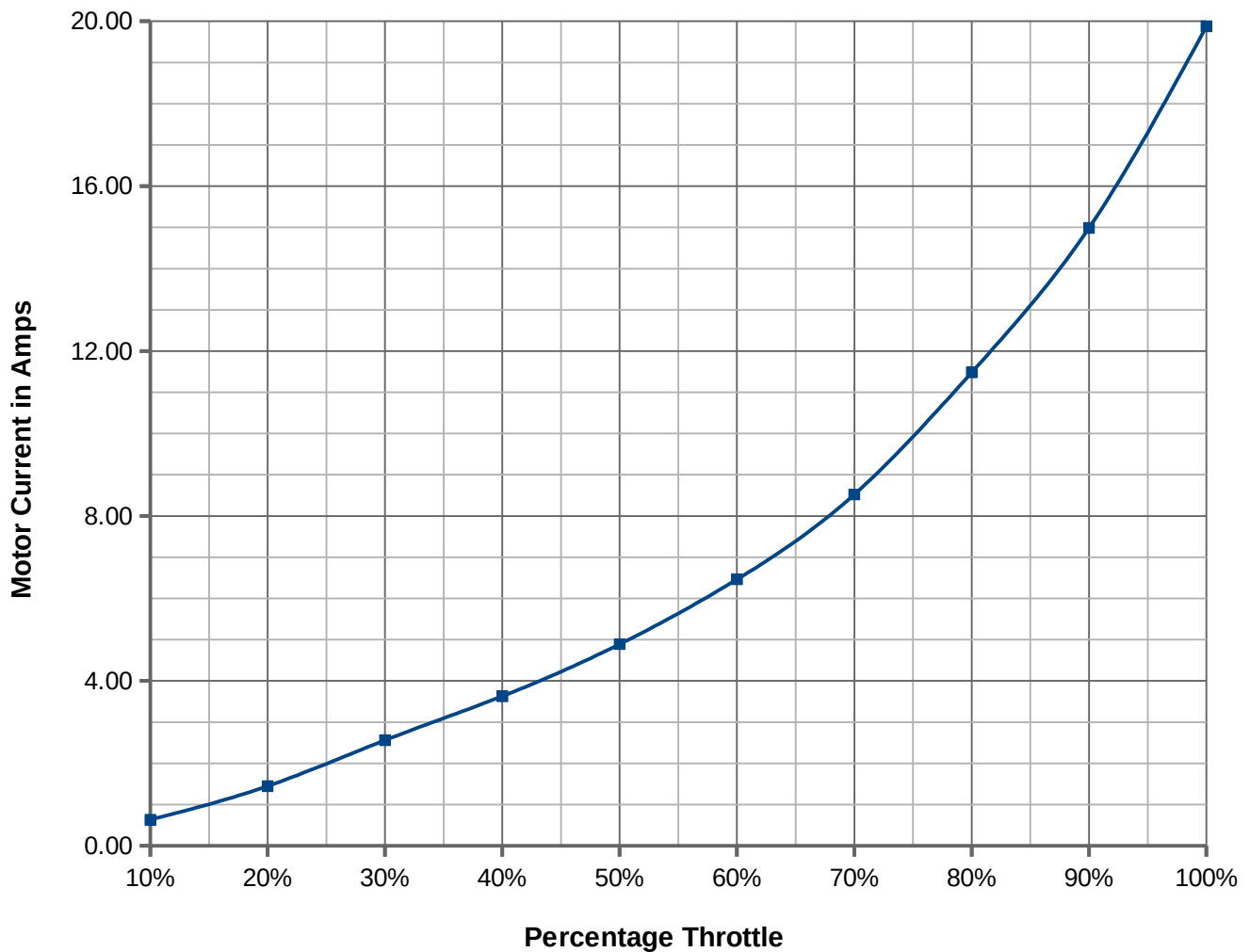


Cobra CM-2204-22 Motor Test Data, Kv=2850

Data Collected at 14.8 volts with HQ 5x3 Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.63	9.37	8,011	52.6	1.86	5.61
20%	1.45	21.45	12,028	117.1	4.13	5.46
30%	2.56	37.92	15,338	191.3	6.75	5.05
40%	3.63	53.72	17,676	255.9	9.03	4.76
50%	4.89	72.39	19,889	326.3	11.51	4.51
60%	6.46	95.65	22,159	404.0	14.25	4.22
70%	8.52	126.11	24,703	497.9	17.56	3.95
80%	11.49	169.98	27,430	622.4	21.95	3.66
90%	14.99	221.82	30,316	751.8	26.52	3.39
100%	19.88	294.16	33,494	911.1	32.14	3.10

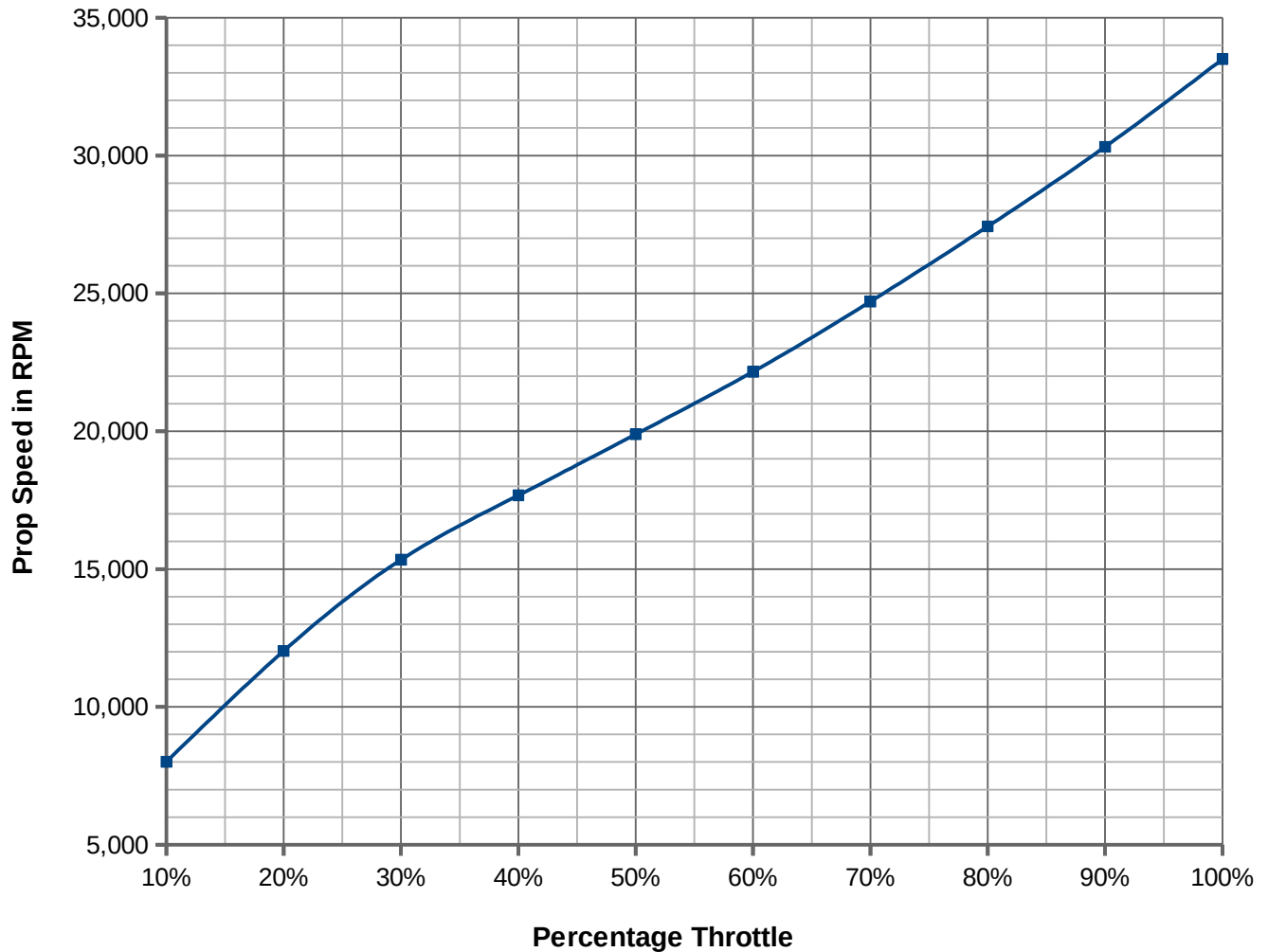
Motor Current vs Throttle Position



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

Data Collected at 14.8 volts with HQ 5x3 Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.63	9.37	8,011	52.6	1.86	5.61
20%	1.45	21.45	12,028	117.1	4.13	5.46
30%	2.56	37.92	15,338	191.3	6.75	5.05
40%	3.63	53.72	17,676	255.9	9.03	4.76
50%	4.89	72.39	19,889	326.3	11.51	4.51
60%	6.46	95.65	22,159	404.0	14.25	4.22
70%	8.52	126.11	24,703	497.9	17.56	3.95
80%	11.49	169.98	27,430	622.4	21.95	3.66
90%	14.99	221.82	30,316	751.8	26.52	3.39
100%	19.88	294.16	33,494	911.1	32.14	3.10

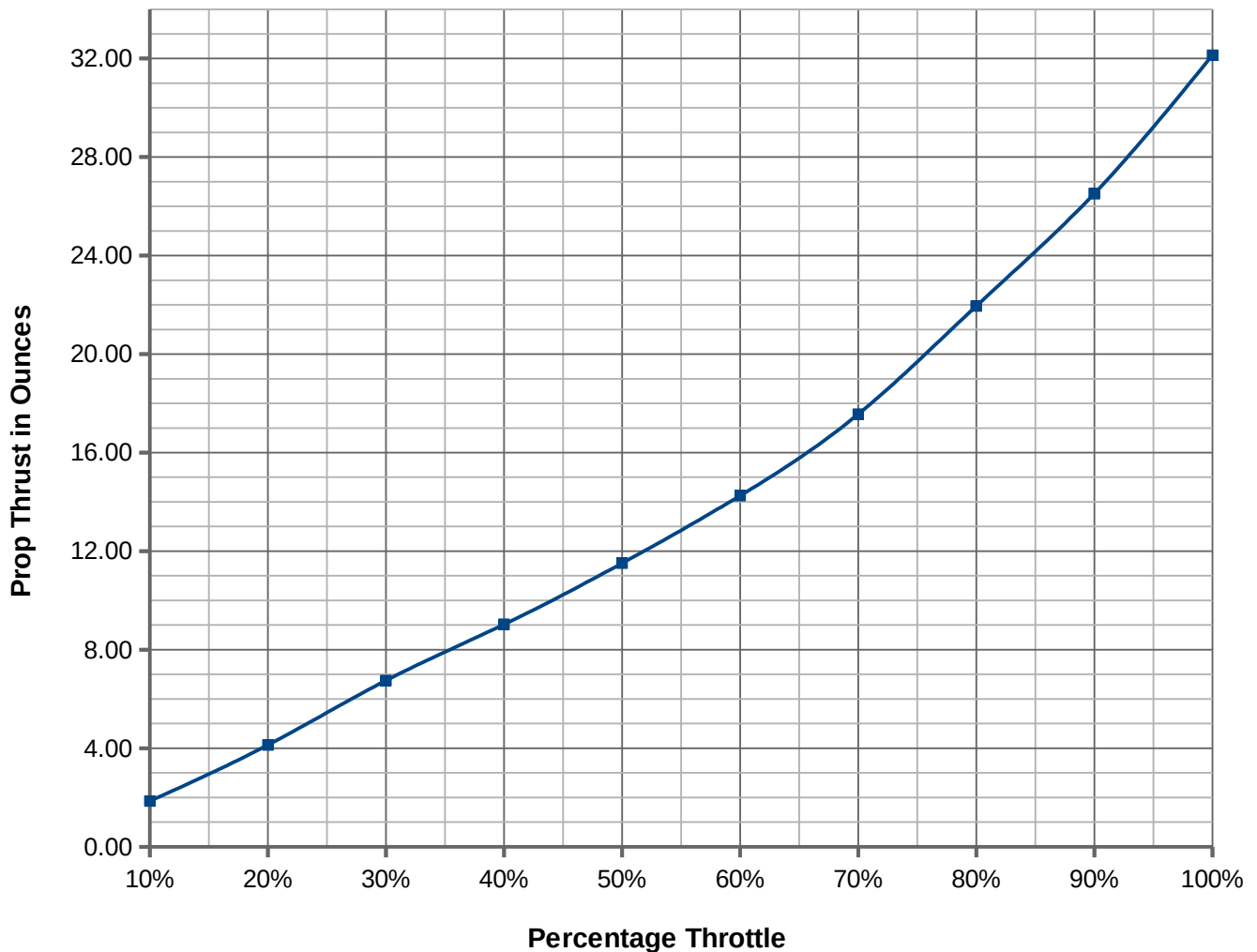
Propeller RPM vs Throttle Position



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

Data Collected at 14.8 volts with HQ 5x3 Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.63	9.37	8,011	52.6	1.86	5.61
20%	1.45	21.45	12,028	117.1	4.13	5.46
30%	2.56	37.92	15,338	191.3	6.75	5.05
40%	3.63	53.72	17,676	255.9	9.03	4.76
50%	4.89	72.39	19,889	326.3	11.51	4.51
60%	6.46	95.65	22,159	404.0	14.25	4.22
70%	8.52	126.11	24,703	497.9	17.56	3.95
80%	11.49	169.98	27,430	622.4	21.95	3.66
90%	14.99	221.82	30,316	751.8	26.52	3.39
100%	19.88	294.16	33,494	911.1	32.14	3.10

Propeller Thrust vs Throttle Position



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

Data Collected at 14.8 volts with HQ 5x3 Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.63	9.37	8,011	52.6	1.86	5.61
20%	1.45	21.45	12,028	117.1	4.13	5.46
30%	2.56	37.92	15,338	191.3	6.75	5.05
40%	3.63	53.72	17,676	255.9	9.03	4.76
50%	4.89	72.39	19,889	326.3	11.51	4.51
60%	6.46	95.65	22,159	404.0	14.25	4.22
70%	8.52	126.11	24,703	497.9	17.56	3.95
80%	11.49	169.98	27,430	622.4	21.95	3.66
90%	14.99	221.82	30,316	751.8	26.52	3.39
100%	19.88	294.16	33,494	911.1	32.14	3.10

Propeller Efficiency vs Throttle Position

