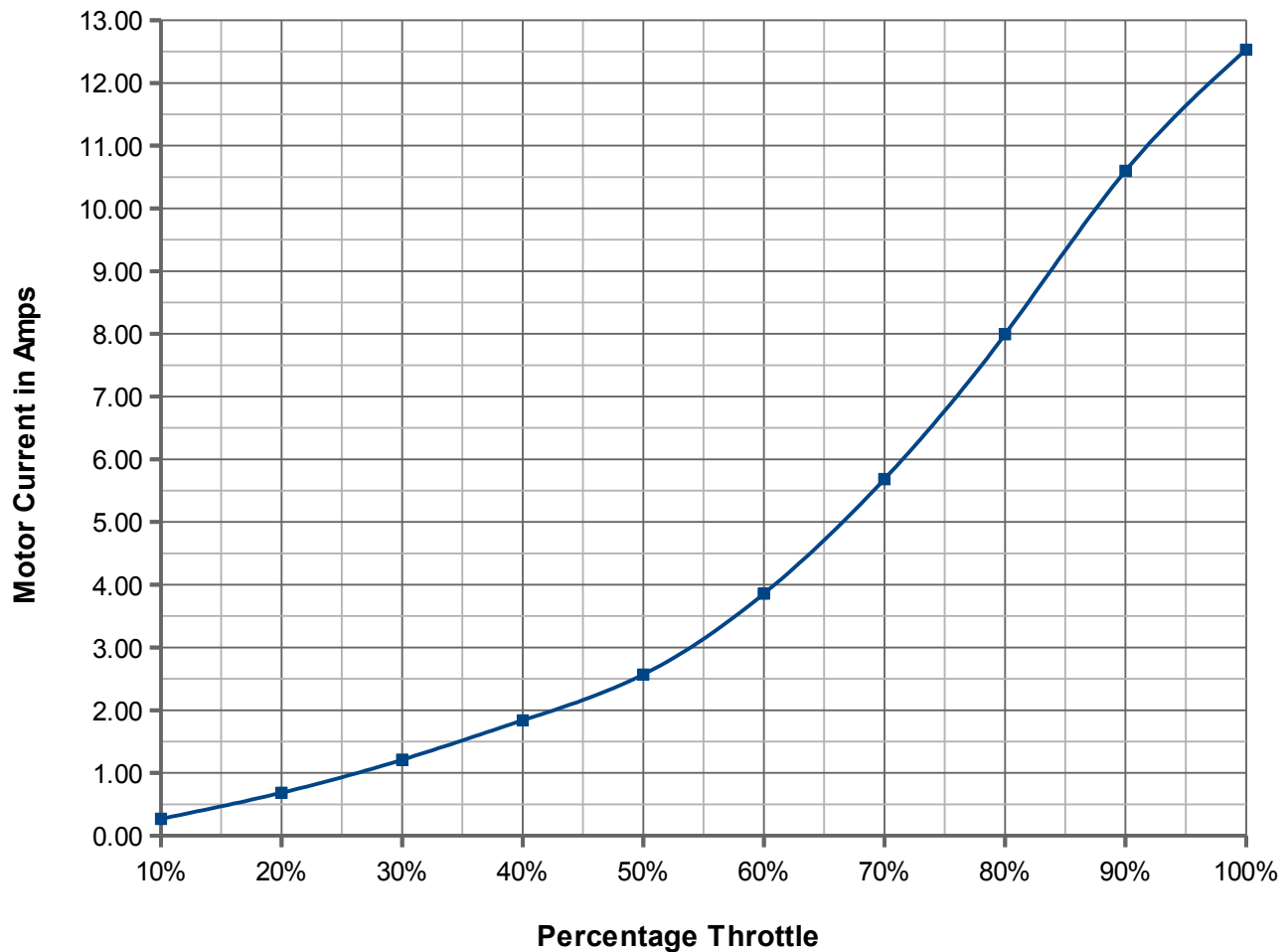


Cobra CM-2208/20 Motor Test Data, Kv=2000

Data Collected at 7.4 volts with APC 7x4-SF Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.27	1.98	2,472	25.3	0.89	12.76
20%	0.68	5.06	3,983	56.8	2.00	11.22
30%	1.21	8.95	5,078	92.5	3.26	10.33
40%	1.84	13.60	5,937	124.4	4.38	9.15
50%	2.57	19.01	6,720	159.6	5.62	8.40
60%	3.86	28.54	7,732	218.6	7.70	7.66
70%	5.68	42.05	8,823	292.1	10.29	6.95
80%	7.99	59.15	9,775	369.3	13.01	6.24
90%	10.60	78.43	10,711	444.8	15.68	5.67
100%	12.53	92.73	11,178	493.7	17.40	5.32

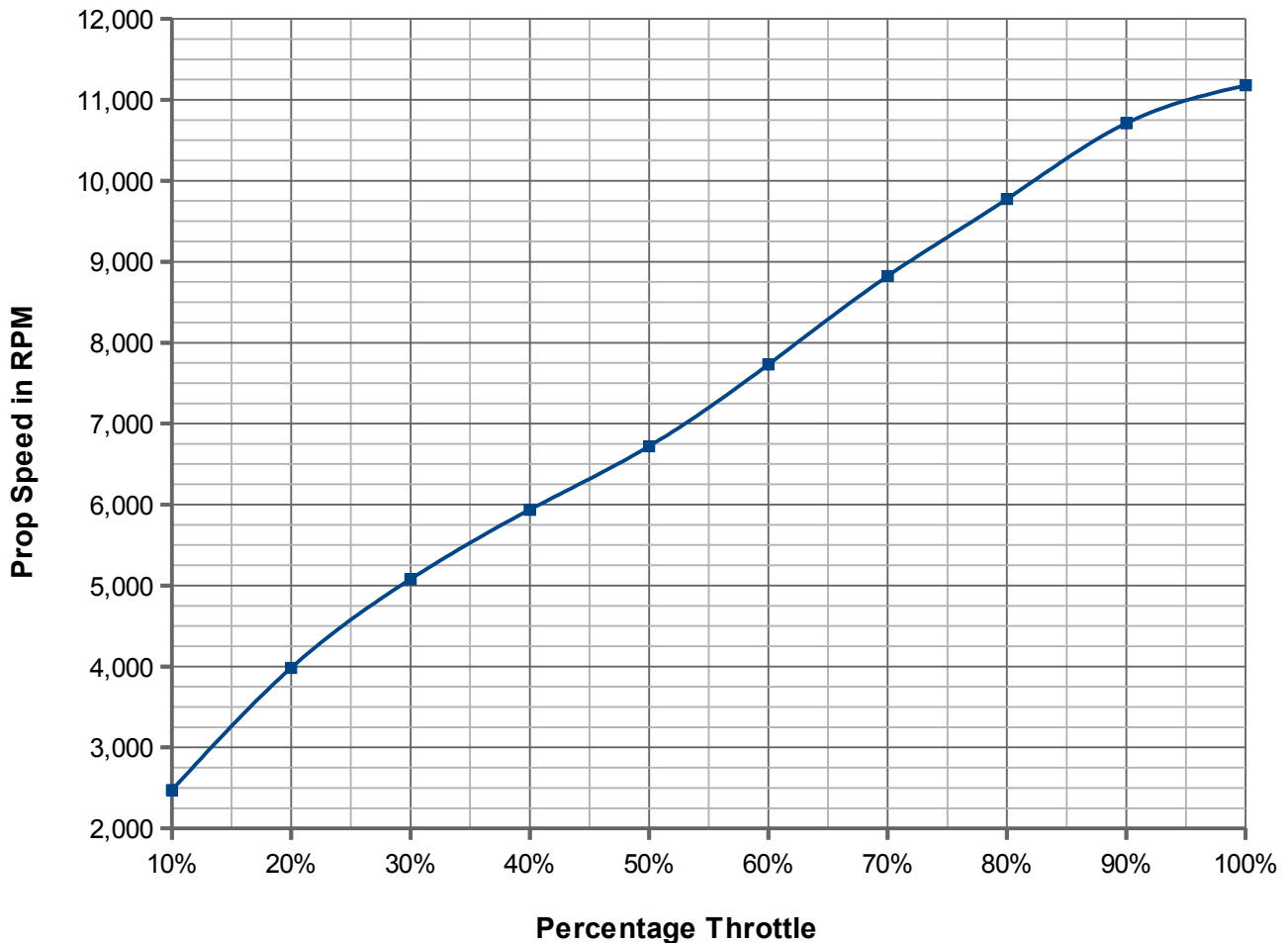
Motor Current vs Throttle Position



Cobra CM-2208/20 Motor Test Data, Kv=2000

Data Collected at 7.4 volts with APC 7x4-SF Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.27	1.98	2,472	25.3	0.89	12.76
20%	0.68	5.06	3,983	56.8	2.00	11.22
30%	1.21	8.95	5,078	92.5	3.26	10.33
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70%	5.68	42.05	8,823	292.1	10.29	6.95
80%	7.99	59.15	9,775	369.3	13.01	6.24
90%	10.60	78.43	10,711	444.8	15.68	5.67
100%	12.53	92.73	11,178	493.7	17.40	5.32

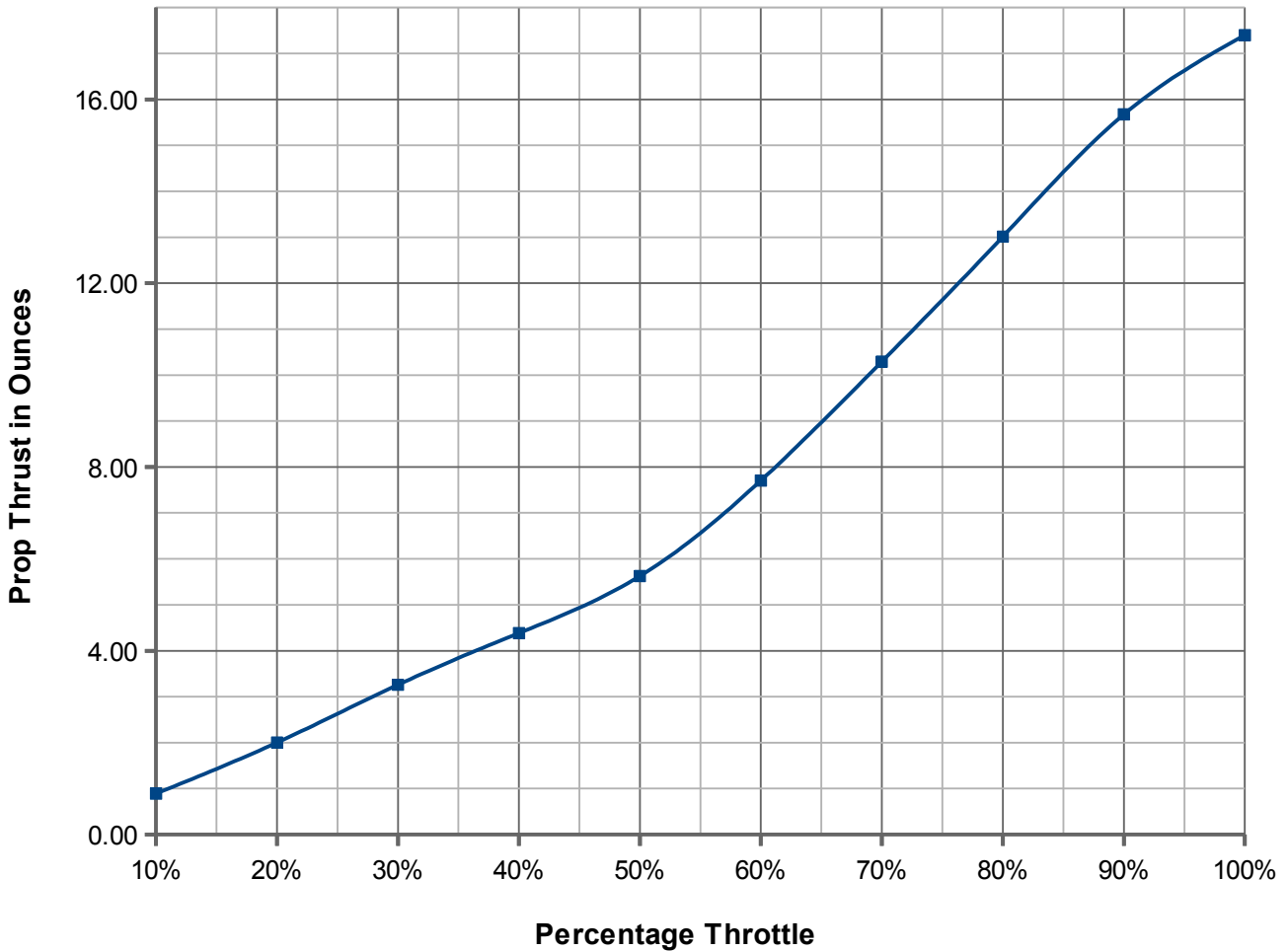
Propeller RPM vs Throttle Position



Cobra CM-2208/20 Motor Test Data, Kv=2000

Data Collected at 7.4 volts with APC 7x4-SF Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.27	1.98	2,472	25.3	0.89	12.76
20%	0.68	5.06	3,983	56.8	2.00	11.22
30%	1.21	8.95	5,078	92.5	3.26	10.33
40%	1.84	13.60	5,937	124.4	4.38	9.15
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60%	3.86	28.54	7,732	218.6	7.70	7.66
70%	5.68	42.05	8,823	292.1	10.29	6.95
80%	7.99	59.15	9,775	369.3	13.01	6.24
90%	10.60	78.43	10,711	444.8	15.68	5.67
100%	12.53	92.73	11,178	493.7	17.40	5.32

Propeller Thrust vs Throttle Position



Cobra CM-2208/20 Motor Test Data, Kv=2000

Data Collected at 7.4 volts with APC 7x4-SF Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.27	1.98	2,472	25.3	0.89	12.76
20%	0.68	5.06	3,983	56.8	2.00	11.22
30%	1.21	8.95	5,078	92.5	3.26	10.33
40%	1.84	13.60	5,937	124.4	4.38	9.15
50%	2.57	19.01	6,720	159.6	5.62	8.40
60%	3.86	28.54	7,732	218.6	7.70	7.66
70%	5.68	42.05	8,823	292.1	10.29	6.95
80%	7.99	59.15	9,775	369.3	13.01	6.24
90%	10.60	78.43	10,711	444.8	15.68	5.67
100%	12.53	92.73	11,178	493.7	17.40	5.32

Propeller Efficiency vs Throttle Position

