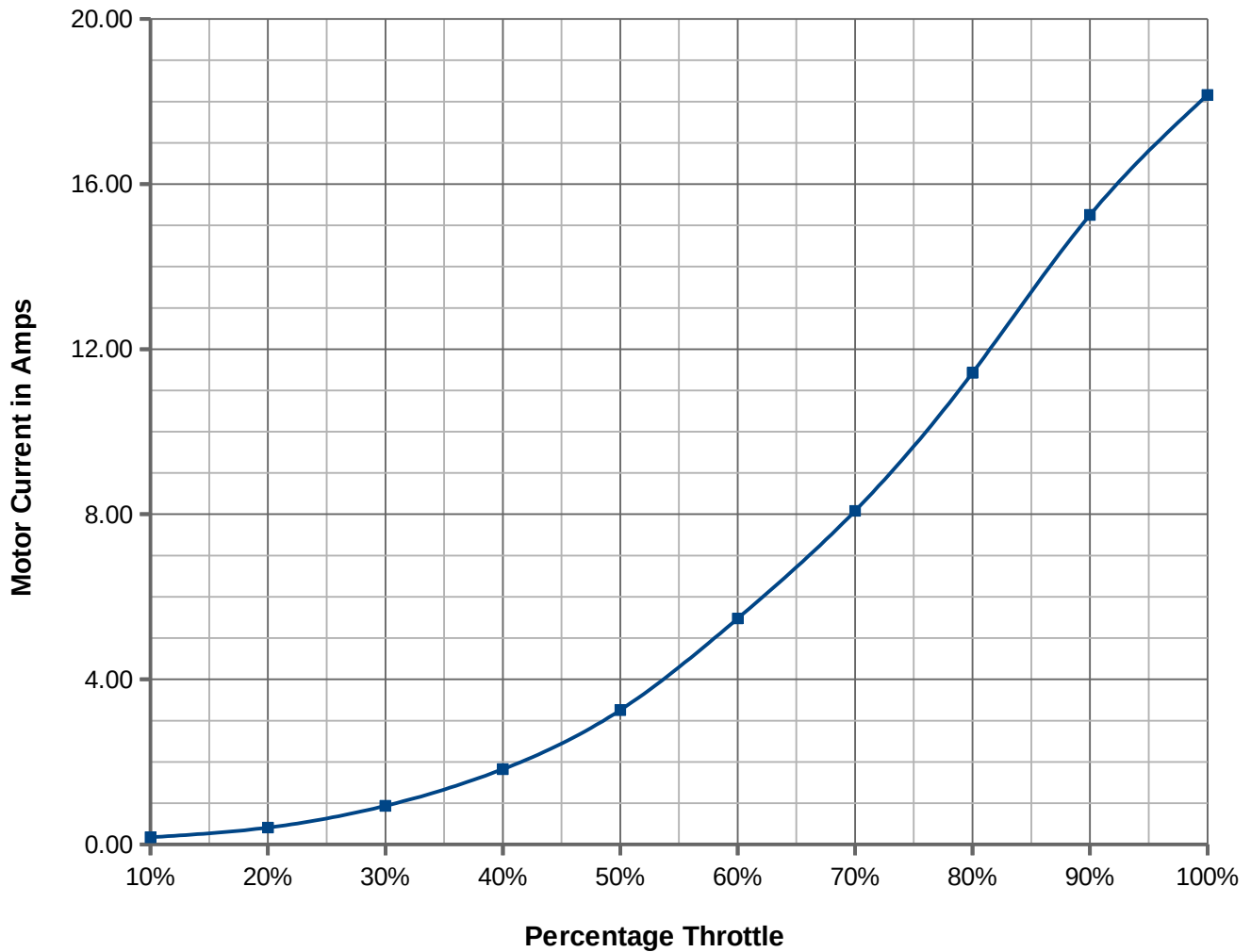


Cobra CM-4006/36 Motor Test Data, Kv=500

Data Collected at 18.5 volts with RC-Timer 12x5.5-CF Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.17	3.20	1,194	35.4	1.25	11.06
20%	0.41	7.57	1,951	100.9	3.56	13.34
30%	0.94	17.32	2,791	207.8	7.32	12.00
40%	1.82	33.74	3,566	348.3	12.27	10.32
50%	3.26	60.22	4,354	538.5	18.98	8.94
60%	5.48	101.29	5,138	780.9	27.52	7.71
70%	8.08	149.52	5,801	1004.1	35.39	6.72
80%	11.43	211.47	6,385	1253.4	44.17	5.93
90%	15.25	282.20	6,912	1480.6	52.18	5.25
100%	18.16	335.94	7,167	1629.0	57.41	4.85

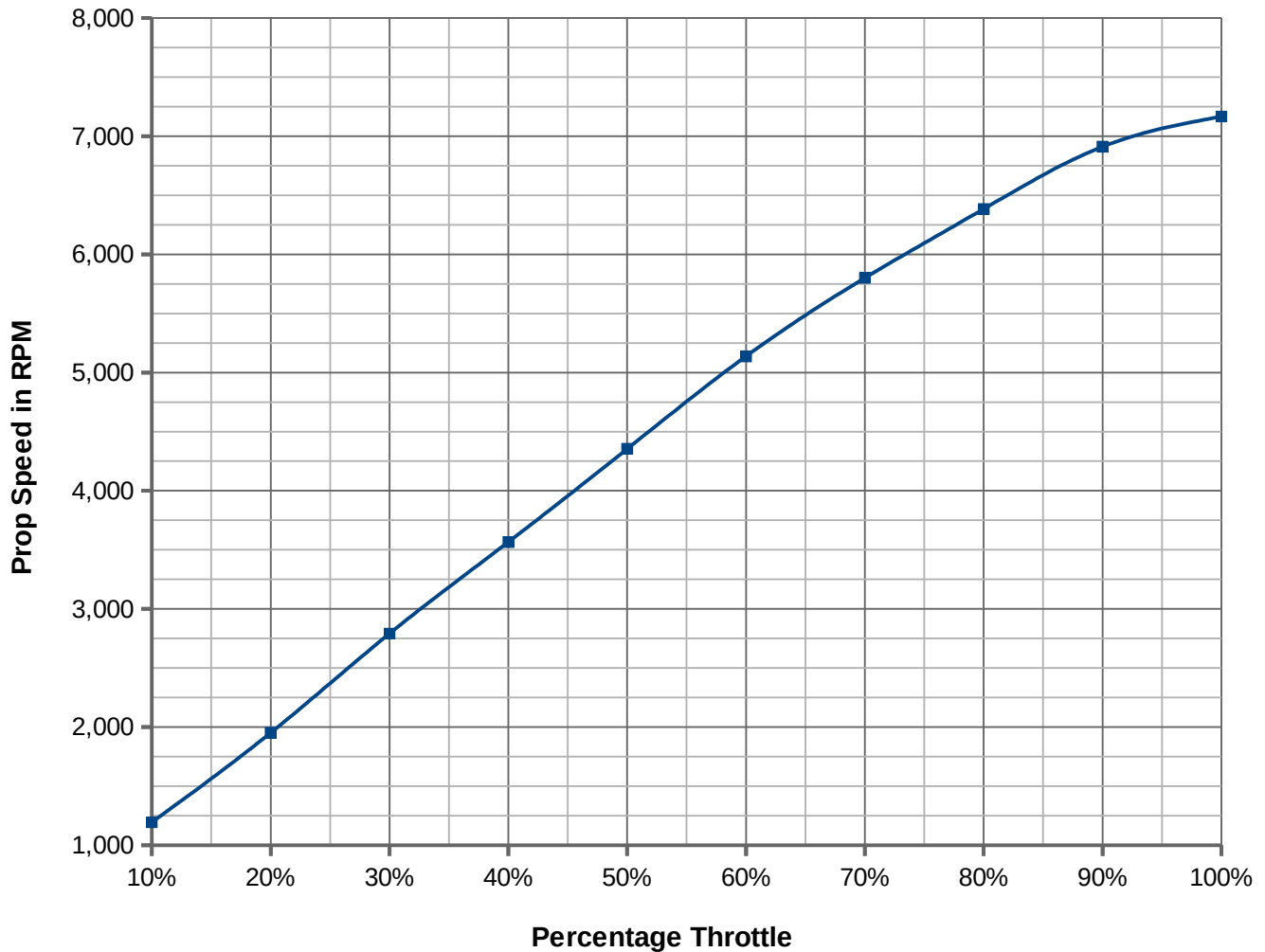
Motor Current vs Throttle Position



Cobra CM-4006/36 Motor Test Data, Kv=500

Data Collected at 18.5 volts with RC-Timer 12x5.5-CF Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.17	3.20	1,194	35.4	1.25	11.06
20%	0.41	7.57	1,951	100.9	3.56	13.34
30%	0.94	17.32	2,791	207.8	7.32	12.00
40%	1.82	33.74	3,566	348.3	12.27	10.32
50%	3.26	60.22	4,354	538.5	18.98	8.94
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80%	11.43	211.47	6,385	1253.4	44.17	5.93
90%	15.25	282.20	6,912	1480.6	52.18	5.25
100%	18.16	335.94	7,167	1629.0	57.41	4.85

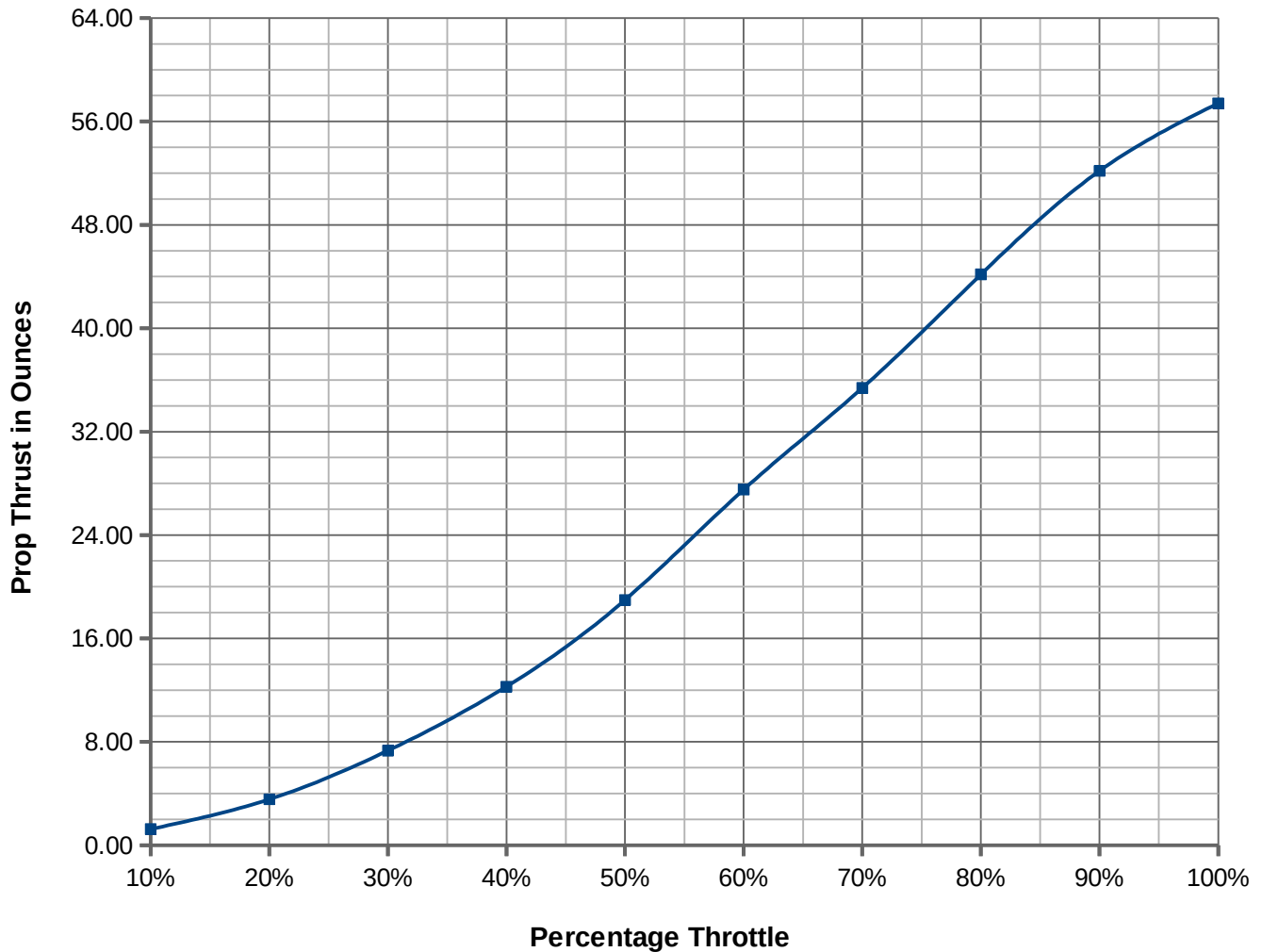
Propeller RPM vs Throttle Position



Cobra CM-4006/36 Motor Test Data, Kv=500

Data Collected at 18.5 volts with RC-Timer 12x5.5-CF Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.17	3.20	1,194	35.4	1.25	11.06
20%	0.41	7.57	1,951	100.9	3.56	13.34
30%	0.94	17.32	2,791	207.8	7.32	12.00
40%	1.82	33.74	3,566	348.3	12.27	10.32
50%	3.26	60.22	4,354	538.5	18.98	8.94
60%	5.48	101.29	5,138	780.9	27.52	7.71
70%	8.08	149.52	5,801	1004.1	35.39	6.72
80%	11.43	211.47	6,385	1253.4	44.17	5.93
90%	15.25	282.20	6,912	1480.6	52.18	5.25
100%	18.16	335.94	7,167	1629.0	57.41	4.85

Propeller Thrust vs Throttle Position



Cobra CM-4006/36 Motor Test Data, Kv=500

Data Collected at 18.5 volts with RC-Timer 12x5.5-CF Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.17	3.20	1,194	35.4	1.25	11.06
20%	0.41	7.57	1,951	100.9	3.56	13.34
30%	0.94	17.32	2,791	207.8	7.32	12.00
40%	1.82	33.74	3,566	348.3	12.27	10.32
50%	3.26	60.22	4,354	538.5	18.98	8.94
60%	5.48	101.29	5,138	780.9	27.52	7.71
70%	8.08	149.52	5,801	1004.1	35.39	6.72
80%	11.43	211.47	6,385	1253.4	44.17	5.93
90%	15.25	282.20	6,912	1480.6	52.18	5.25
100%	18.16	335.94	7,167	1629.0	57.41	4.85

Propeller Efficiency vs Throttle Position

