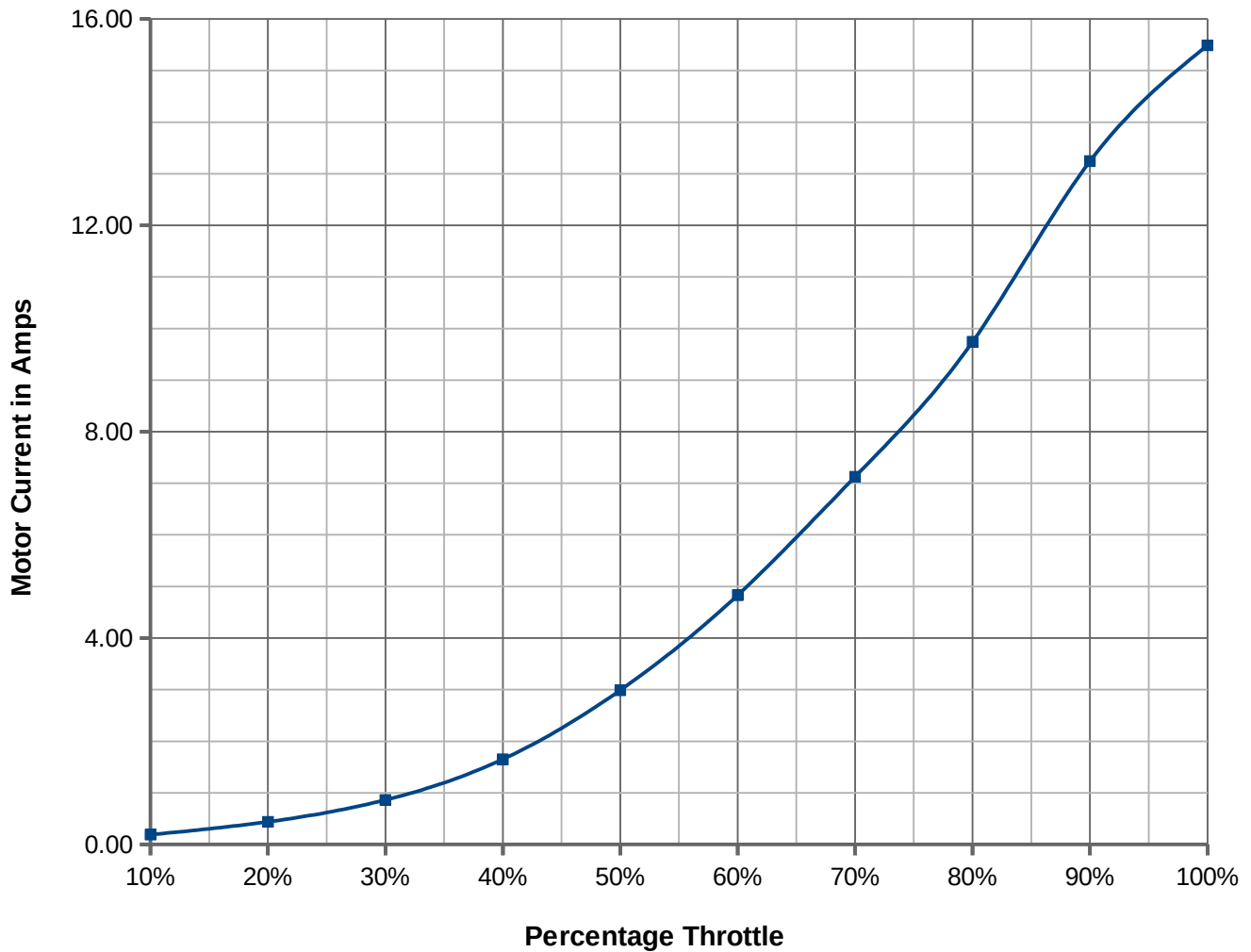


Cobra CM-4006/36 Motor Test Data, Kv=500

Data Collected at 22.2 volts with APC 11x4.5-MR Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.19	4.22	1,632	45.6	1.61	10.81
20%	0.44	9.75	2,567	112.3	3.96	11.52
30%	0.86	19.14	3,445	212.8	7.50	11.12
40%	1.65	36.65	4,425	366.5	12.92	10.00
50%	2.99	66.37	5,495	575.1	20.27	8.67
60%	4.83	107.25	6,450	821.8	28.96	7.66
70%	7.13	158.22	7,318	1075.1	37.89	6.79
80%	9.74	216.29	8,059	1331.2	46.91	6.15
90%	13.24	294.02	8,805	1624.7	57.26	5.53
100%	15.49	343.81	9,216	1783.6	62.86	5.19

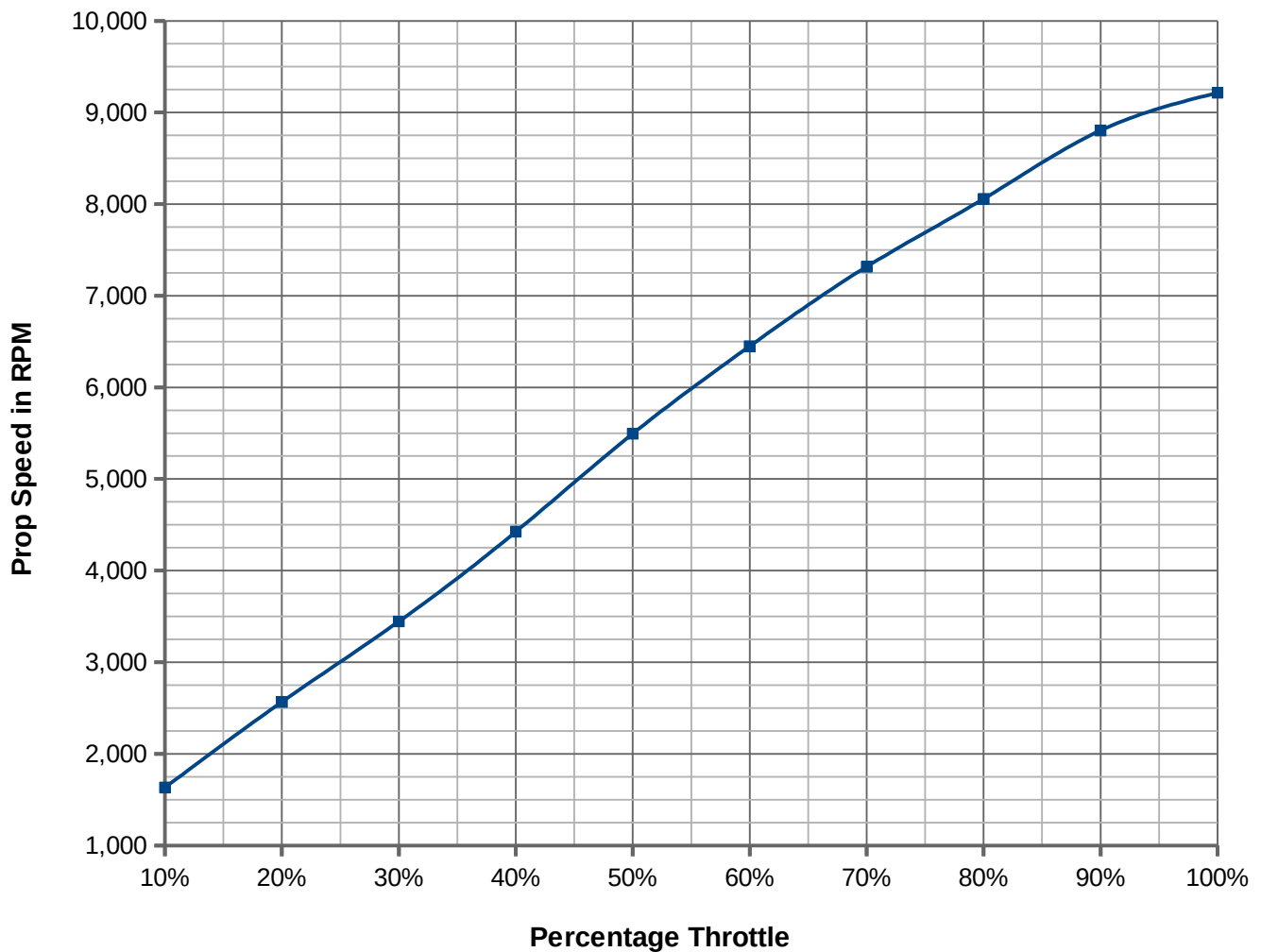
Motor Current vs Throttle Position



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

Data Collected at 22.2 volts with APC 11x4.5-MR Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.19	4.22	1,632	45.6	1.61	10.81
20%	0.44	9.75	2,567	112.3	3.96	11.52
30%	0.86	19.14	3,445	212.8	7.50	11.12
40%	1.65	36.65	4,425	366.5	12.92	10.00
50%	2.99	66.37	5,495	575.1	20.27	8.67
60%	4.83	107.25	6,450	821.8	28.96	7.66
70%	7.13	158.22	7,318	1075.1	37.89	6.79
80%	9.74	216.29	8,059	1331.2	46.91	6.15
90%	13.24	294.02	8,805	1624.7	57.26	5.53
100%	15.49	343.81	9,216	1783.6	62.86	5.19

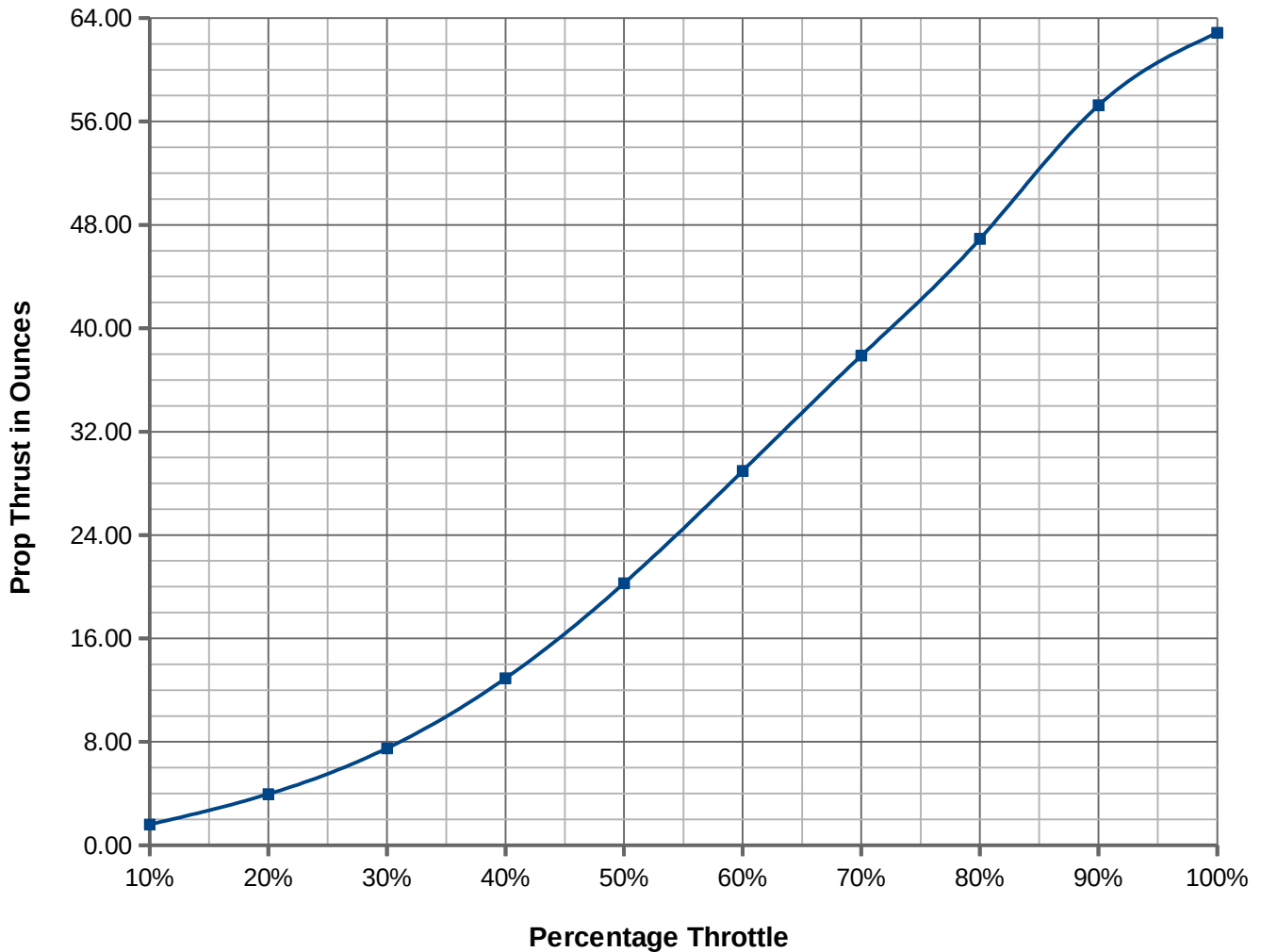
Propeller RPM vs Throttle Position



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

Data Collected at 22.2 volts with APC 11x4.5-MR Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.19	4.22	1,632	45.6	1.61	10.81
20%	0.44	9.75	2,567	112.3	3.96	11.52
30%	0.86	19.14	3,445	212.8	7.50	11.12
40%	1.65	36.65	4,425	366.5	12.92	10.00
50%	2.99	66.37	5,495	575.1	20.27	8.67
60%	4.83	107.25	6,450	821.8	28.96	7.66
70%	7.13	158.22	7,318	1075.1	37.89	6.79
80%	9.74	216.29	8,059	1331.2	46.91	6.15
90%	13.24	294.02	8,805	1624.7	57.26	5.53
100%	15.49	343.81	9,216	1783.6	62.86	5.19

Propeller Thrust vs Throttle Position



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

Data Collected at 22.2 volts with APC 11x4.5-MR Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.19	4.22	1,632	45.6	1.61	10.81
20%	0.44	9.75	2,567	112.3	3.96	11.52
30%	0.86	19.14	3,445	212.8	7.50	11.12
40%	1.65	36.65	4,425	366.5	12.92	10.00
50%	2.99	66.37	5,495	575.1	20.27	8.67
60%	4.83	107.25	6,450	821.8	28.96	7.66
70%	7.13	158.22	7,318	1075.1	37.89	6.79
80%	9.74	216.29	8,059	1331.2	46.91	6.15
90%	13.24	294.02	8,805	1624.7	57.26	5.53
100%	15.49	343.81	9,216	1783.6	62.86	5.19

Propeller Efficiency vs Throttle Position

