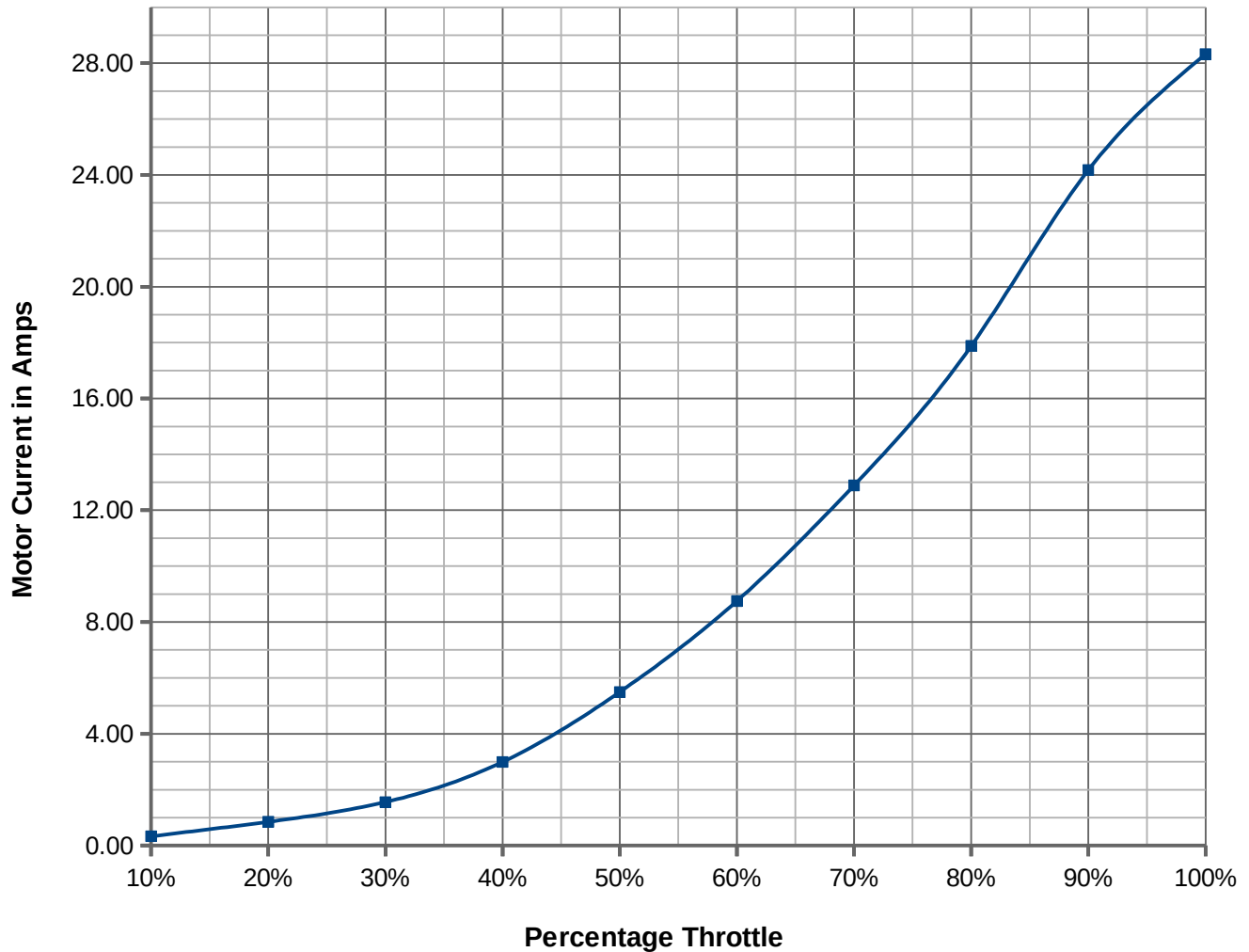


Cobra CM-4010/20 Motor Test Data, Kv=550

Data Collected at 22.2 volts with APC 12x4.5-MR Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.33	7.35	1,889	85.2	3.01	11.59
20%	0.85	18.83	2,928	205.6	7.25	10.92
30%	1.56	34.54	3,757	347.4	12.25	10.06
40%	2.99	66.42	4,817	595.9	21.02	8.97
50%	5.50	121.99	5,948	951.4	33.56	7.80
60%	8.75	194.25	6,950	1329.7	46.90	6.85
70%	12.89	286.11	7,859	1737.6	61.29	6.07
80%	17.88	396.96	8,678	2161.8	76.25	5.45
90%	24.18	536.75	9,461	2629.1	92.74	4.90
100%	28.32	628.79	9,918	2883.7	101.72	4.59

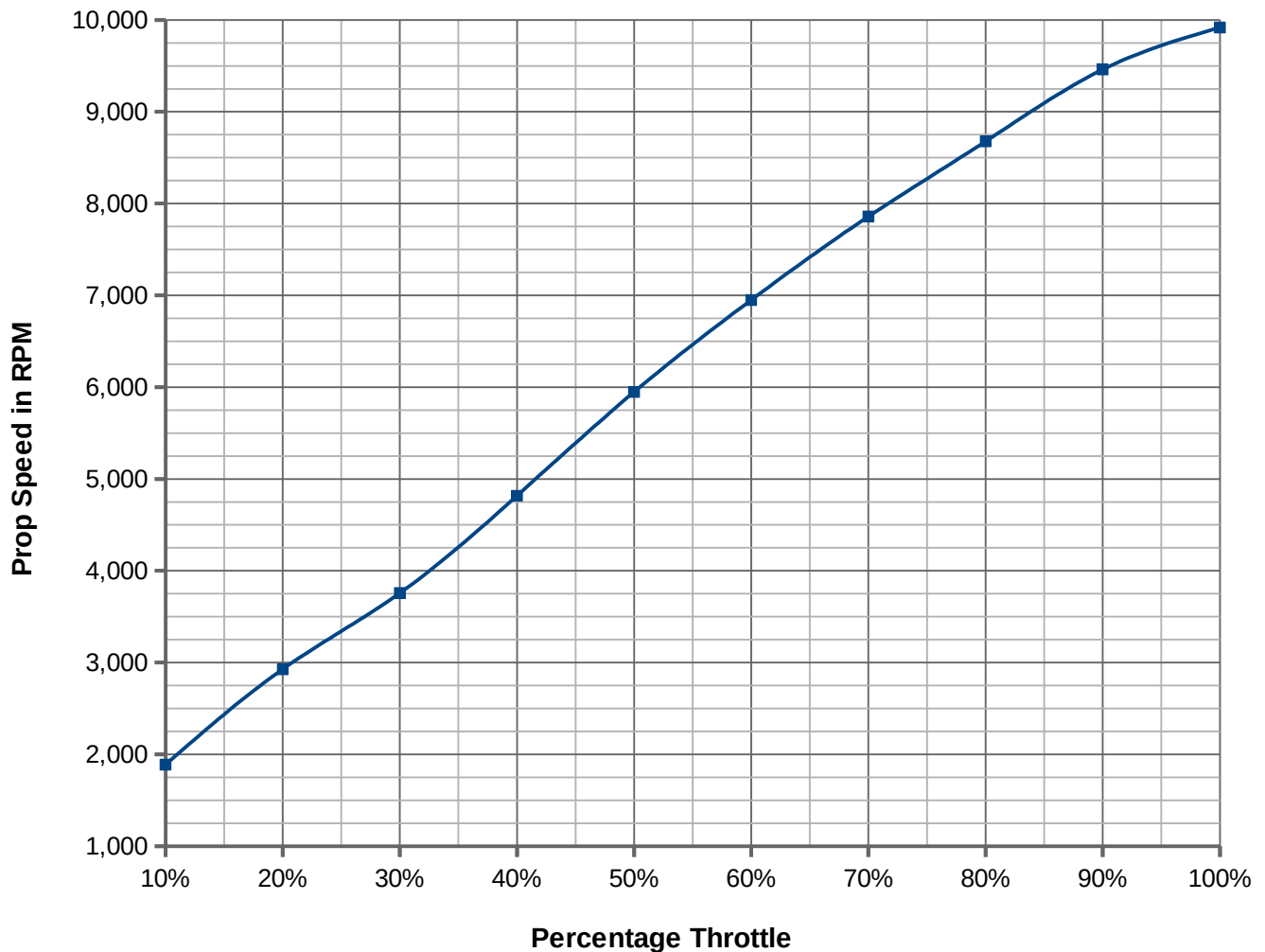
Motor Current vs Throttle Position



Cobra CM-4010/20 Motor Test Data, Kv=550

Data Collected at 22.2 volts with APC 12x4.5-MR Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.33	7.35	1,889	85.2	3.01	11.59
20%	0.85	18.83	2,928	205.6	7.25	10.92
30%	1.56	34.54	3,757	347.4	12.25	10.06
40%	2.99	66.42	4,817	595.9	21.02	8.97
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60%	8.75	194.25	6,950	1329.7	46.90	6.85
70%	12.89	286.11	7,859	1737.6	61.29	6.07
80%	17.88	396.96	8,678	2161.8	76.25	5.45
90%	24.18	536.75	9,461	2629.1	92.74	4.90
100%	28.32	628.79	9,918	2883.7	101.72	4.59

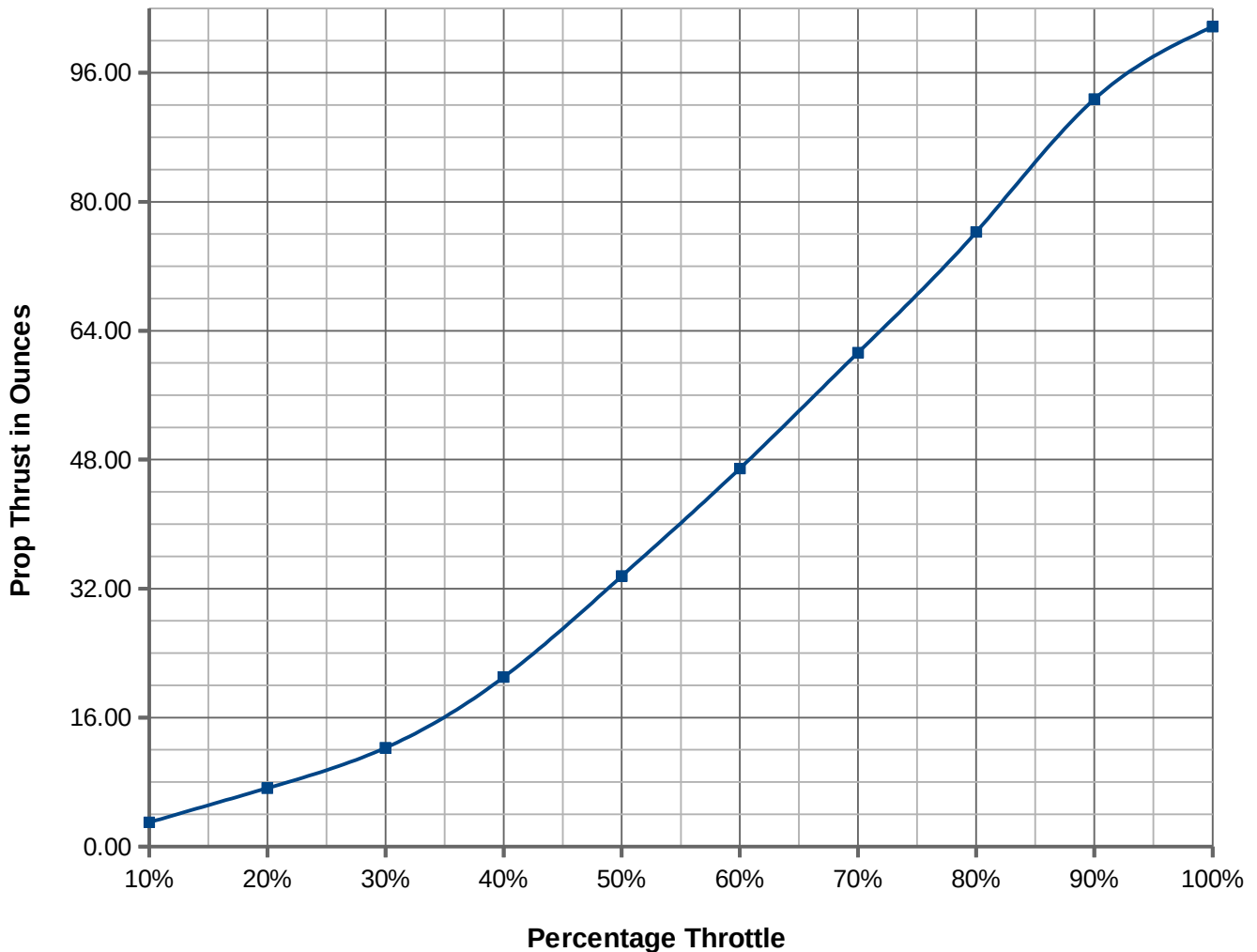
Propeller RPM vs Throttle Position



Cobra CM-4010/20 Motor Test Data, Kv=550

Data Collected at 22.2 volts with APC 12x4.5-MR Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.33	7.35	1,889	85.2	3.01	11.59
20%	0.85	18.83	2,928	205.6	7.25	10.92
30%	1.56	34.54	3,757	347.4	12.25	10.06
40%	2.99	66.42	4,817	595.9	21.02	8.97
50%	5.50	121.99	5,948	951.4	33.56	7.80
60%	8.75	194.25	6,950	1329.7	46.90	6.85
70%	12.89	286.11	7,859	1737.6	61.29	6.07
80%	17.88	396.96	8,678	2161.8	76.25	5.45
90%	24.18	536.75	9,461	2629.1	92.74	4.90
100%	28.32	628.79	9,918	2883.7	101.72	4.59

Propeller Thrust vs Throttle Position



Cobra CM-4010/20 Motor Test Data, Kv=550

Data Collected at 22.2 volts with APC 12x4.5-MR Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.33	7.35	1,889	85.2	3.01	11.59
20%	0.85	18.83	2,928	205.6	7.25	10.92
30%	1.56	34.54	3,757	347.4	12.25	10.06
40%	2.99	66.42	4,817	595.9	21.02	8.97
50%	5.50	121.99	5,948	951.4	33.56	7.80
60%	8.75	194.25	6,950	1329.7	46.90	6.85
70%	12.89	286.11	7,859	1737.6	61.29	6.07
80%	17.88	396.96	8,678	2161.8	76.25	5.45
90%	24.18	536.75	9,461	2629.1	92.74	4.90
100%	28.32	628.79	9,918	2883.7	101.72	4.59

Propeller Efficiency vs Throttle Position

