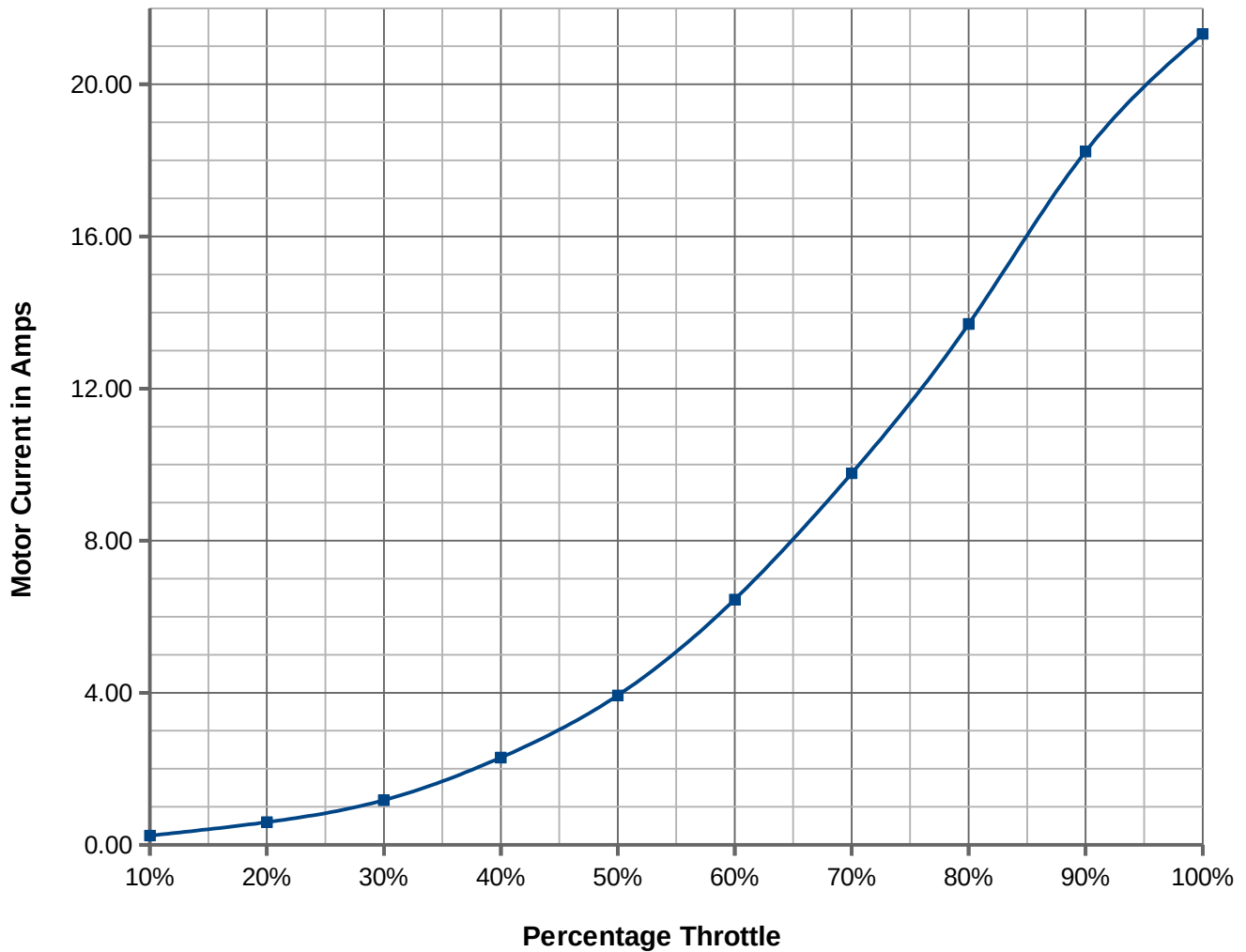


Cobra CM-4010/20 Motor Test Data, Kv=550

Data Collected at 14.8 volts with GemFan 15x4.5-MR Wood Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.24	3.60	1,083	43.6	1.54	12.12
20%	0.60	8.85	1,763	119.6	4.21	13.51
30%	1.18	17.40	2,404	218.3	7.69	12.54
40%	2.30	33.98	3,130	393.8	13.88	11.59
50%	3.93	58.18	3,817	607.8	21.42	10.45
60%	6.46	95.53	4,557	887.9	31.29	9.29
70%	9.77	144.63	5,233	1213.1	42.75	8.39
80%	13.70	202.73	5,828	1532.5	54.01	7.56
90%	18.24	269.89	6,391	1859.6	65.54	6.89
100%	21.33	315.61	6,707	2064.5	72.76	6.54

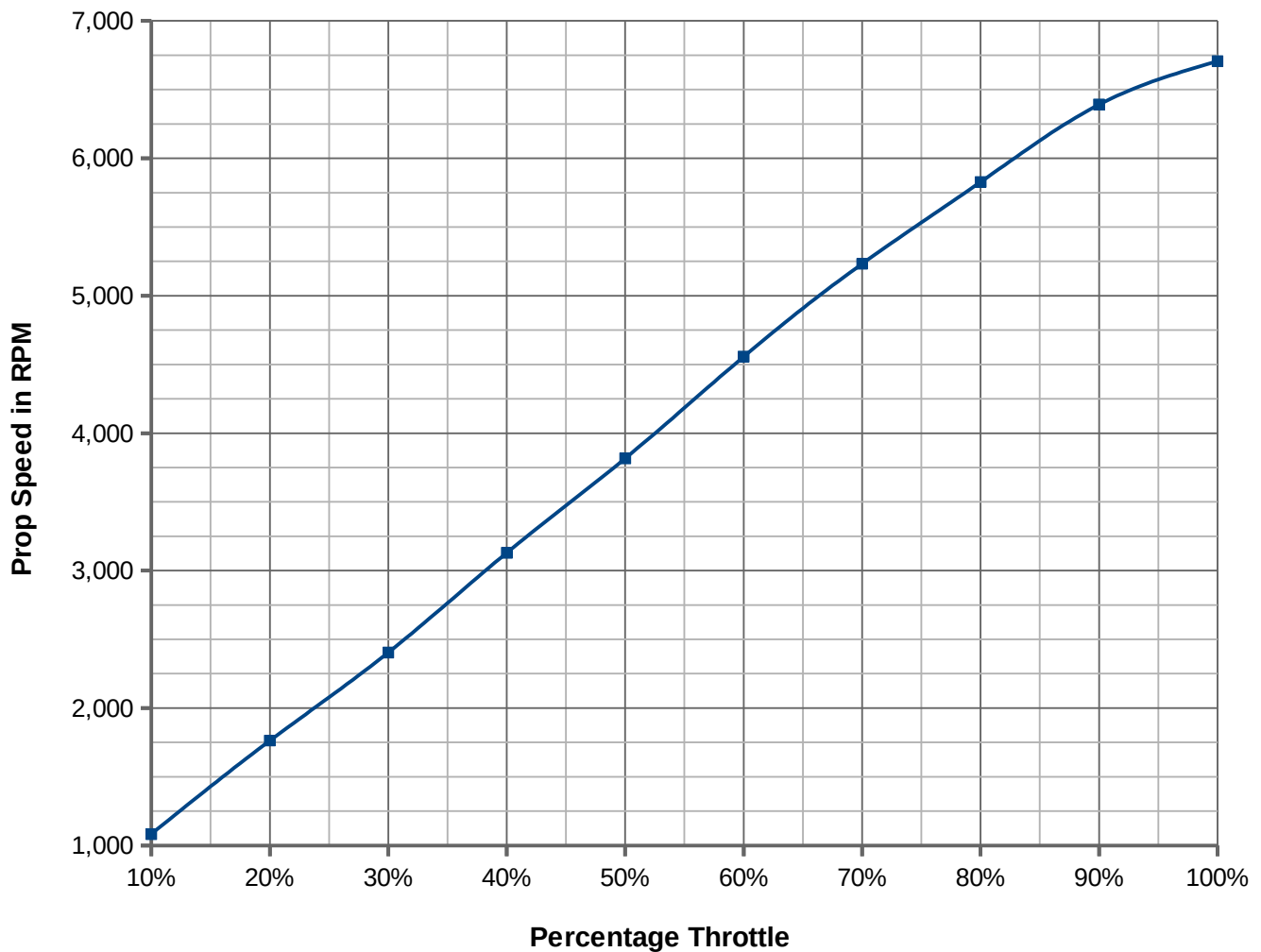
Motor Current vs Throttle Position



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

Data Collected at 14.8 volts with GemFan 15x4.5-MR Wood Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
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20%	0.60	8.85	1,763	119.6	4.21	13.51
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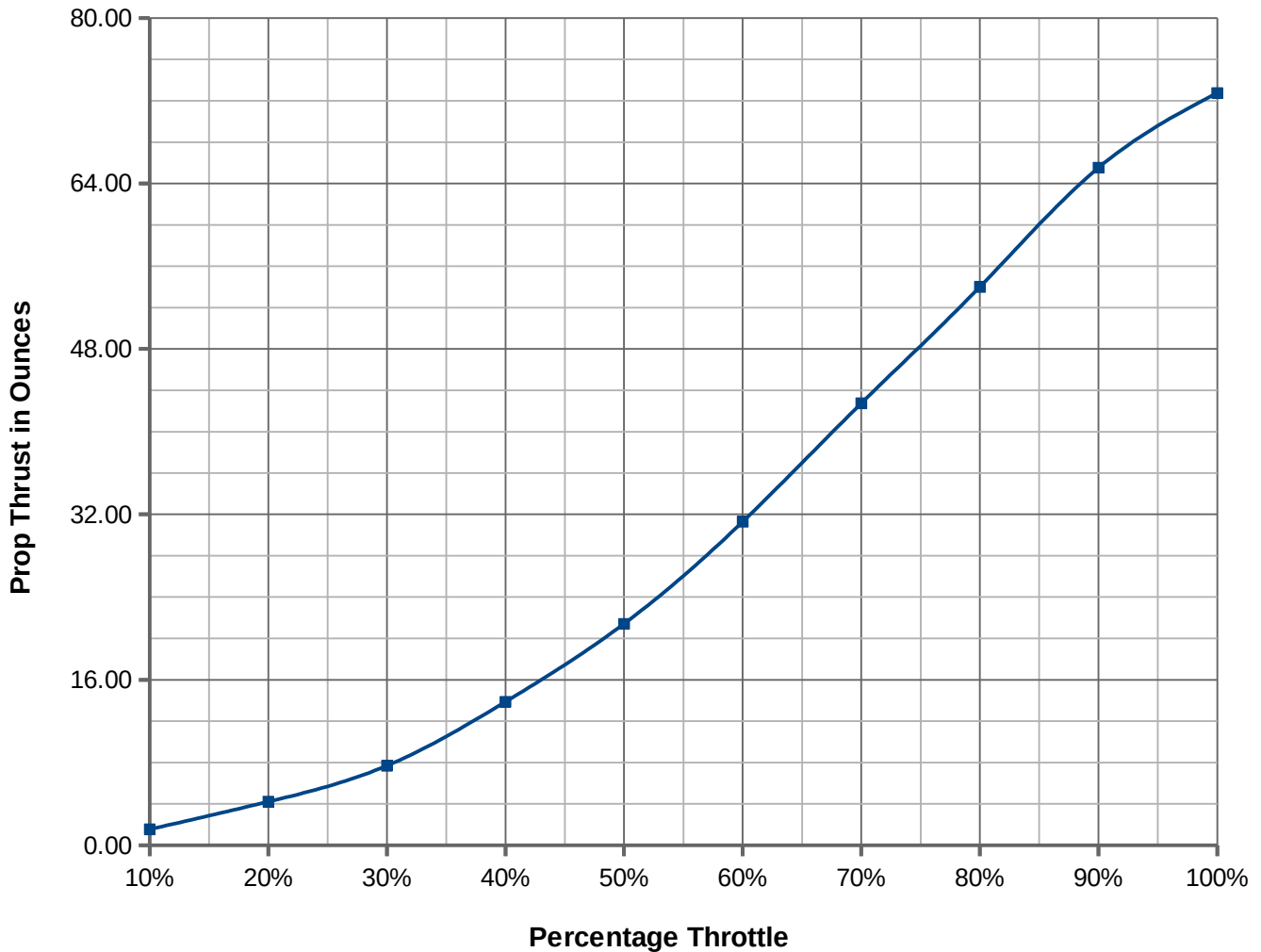
Propeller RPM vs Throttle Position



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

Data Collected at 14.8 volts with GemFan 15x4.5-MR Wood Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.24	3.60	1,083	43.6	1.54	12.12
20%	0.60	8.85	1,763	119.6	4.21	13.51
30%	1.18	17.40	2,404	218.3	7.69	12.54
40%	2.30	33.98	3,130	393.8	13.88	11.59
50%	3.93	58.18	3,817	607.8	21.42	10.45
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70%	9.77	144.63	5,233	1213.1	42.75	8.39
80%	13.70	202.73	5,828	1532.5	54.01	7.56
90%	18.24	269.89	6,391	1859.6	65.54	6.89
100%	21.33	315.61	6,707	2064.5	72.76	6.54

Propeller Thrust vs Throttle Position



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

Data Collected at 14.8 volts with GemFan 15x4.5-MR Wood Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.24	3.60	1,083	43.6	1.54	12.12
20%	0.60	8.85	1,763	119.6	4.21	13.51
30%	1.18	17.40	2,404	218.3	7.69	12.54
40%	2.30	33.98	3,130	393.8	13.88	11.59
50%	3.93	58.18	3,817	607.8	21.42	10.45
60%	6.46	95.53	4,557	887.9	31.29	9.29
70%	9.77	144.63	5,233	1213.1	42.75	8.39
80%	13.70	202.73	5,828	1532.5	54.01	7.56
90%	18.24	269.89	6,391	1859.6	65.54	6.89
100%	21.33	315.61	6,707	2064.5	72.76	6.54

Propeller Efficiency vs Throttle Position

