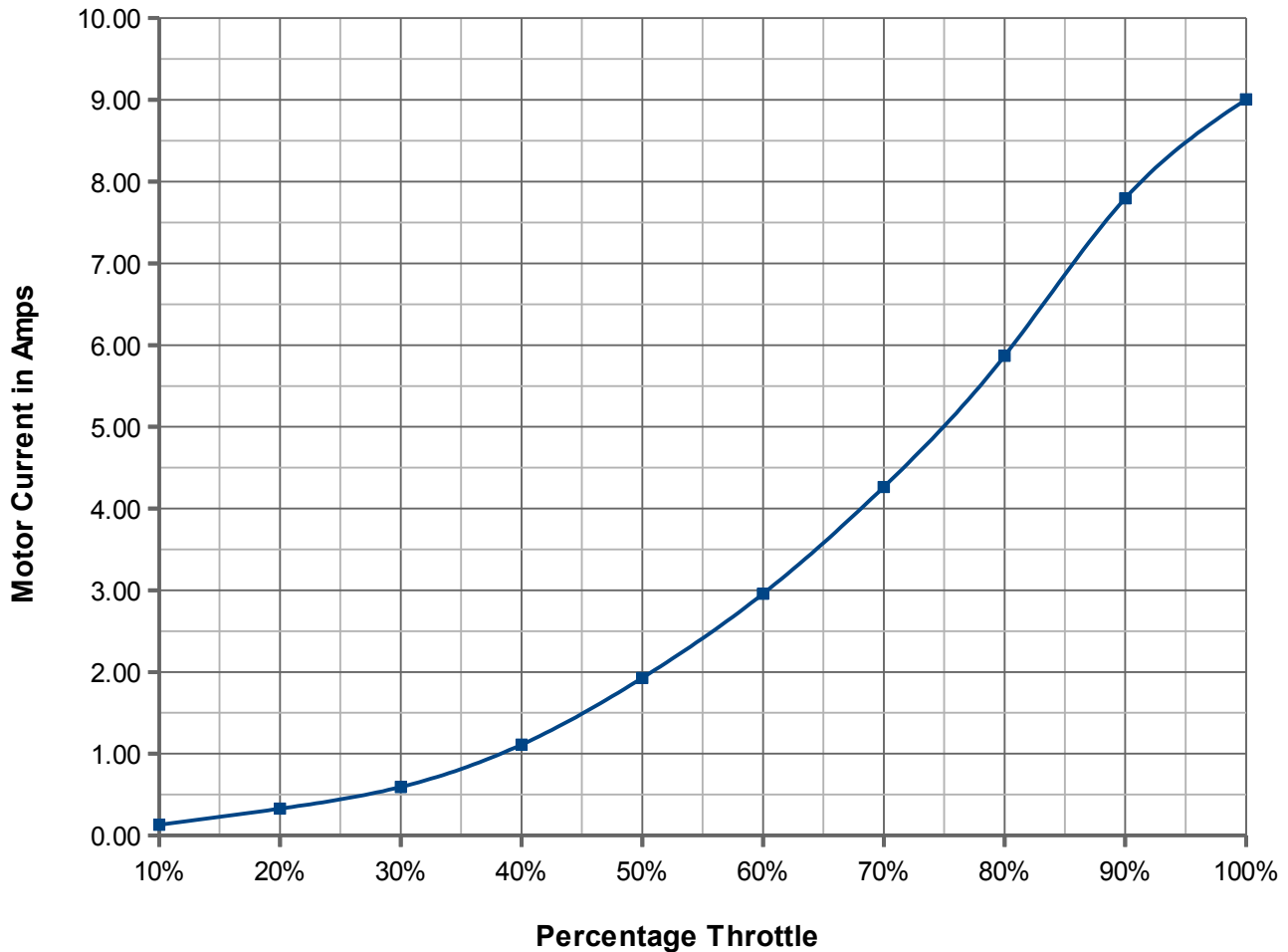


Cobra CM-2213-36 Motor Test Data, Kv=740

Data Collected at 14.8 volts with GemFan 11x4-MR Wood Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.13	1.92	1,358	29.0	1.02	15.07
20%	0.33	4.85	2,116	68.7	2.42	14.15
30%	0.59	8.78	2,730	115.0	4.05	13.10
40%	1.11	16.44	3,446	191.6	6.75	11.65
50%	1.93	28.52	4,210	299.5	10.56	10.50
60%	2.96	43.76	4,881	413.5	14.57	9.45
70%	4.26	63.09	5,513	534.2	18.83	8.47
80%	5.87	86.86	6,167	670.2	23.62	7.72
90%	7.80	115.38	6,731	816.3	28.77	7.07
100%	9.01	133.30	7,049	890.6	31.39	6.68

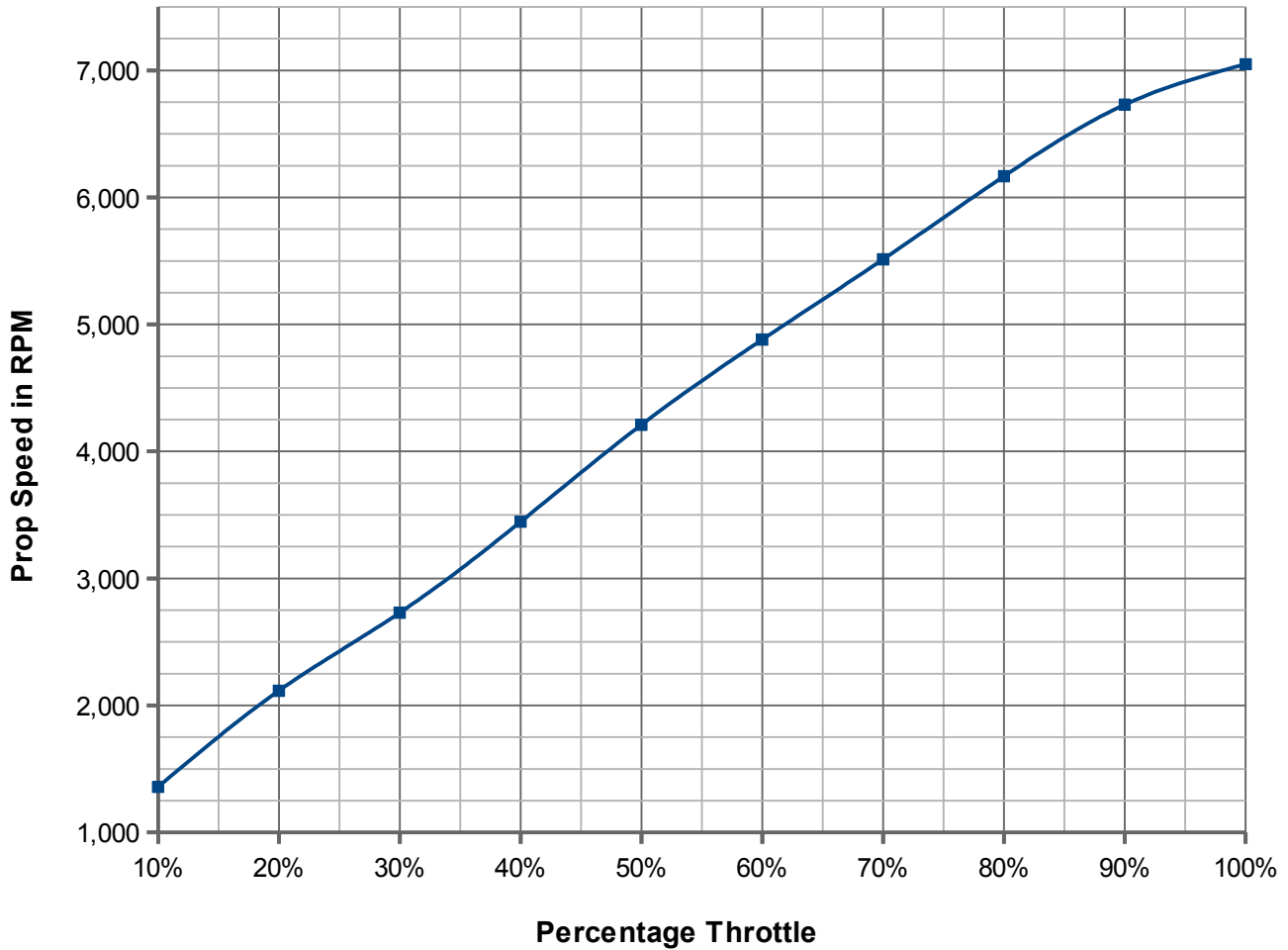
Motor Current vs Throttle Position



Cobra CM-2213-36 Motor Test Data, Kv=740

Data Collected at 14.8 volts with GemFan 11x4-MR Wood Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.13	1.92	1,358	29.0	1.02	15.07
20%	0.33	4.85	2,116	68.7	2.42	14.15
30%	0.59	8.78	2,730	115.0	4.05	13.10
40%	1.11	16.44	3,446	191.6	6.75	11.65
50%	1.93	28.52	4,210	299.5	10.56	10.50
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80%	5.87	86.86	6,167	670.2	23.62	7.72
90%	7.80	115.38	6,731	816.3	28.77	7.07
100%	9.01	133.30	7,049	890.6	31.39	6.68

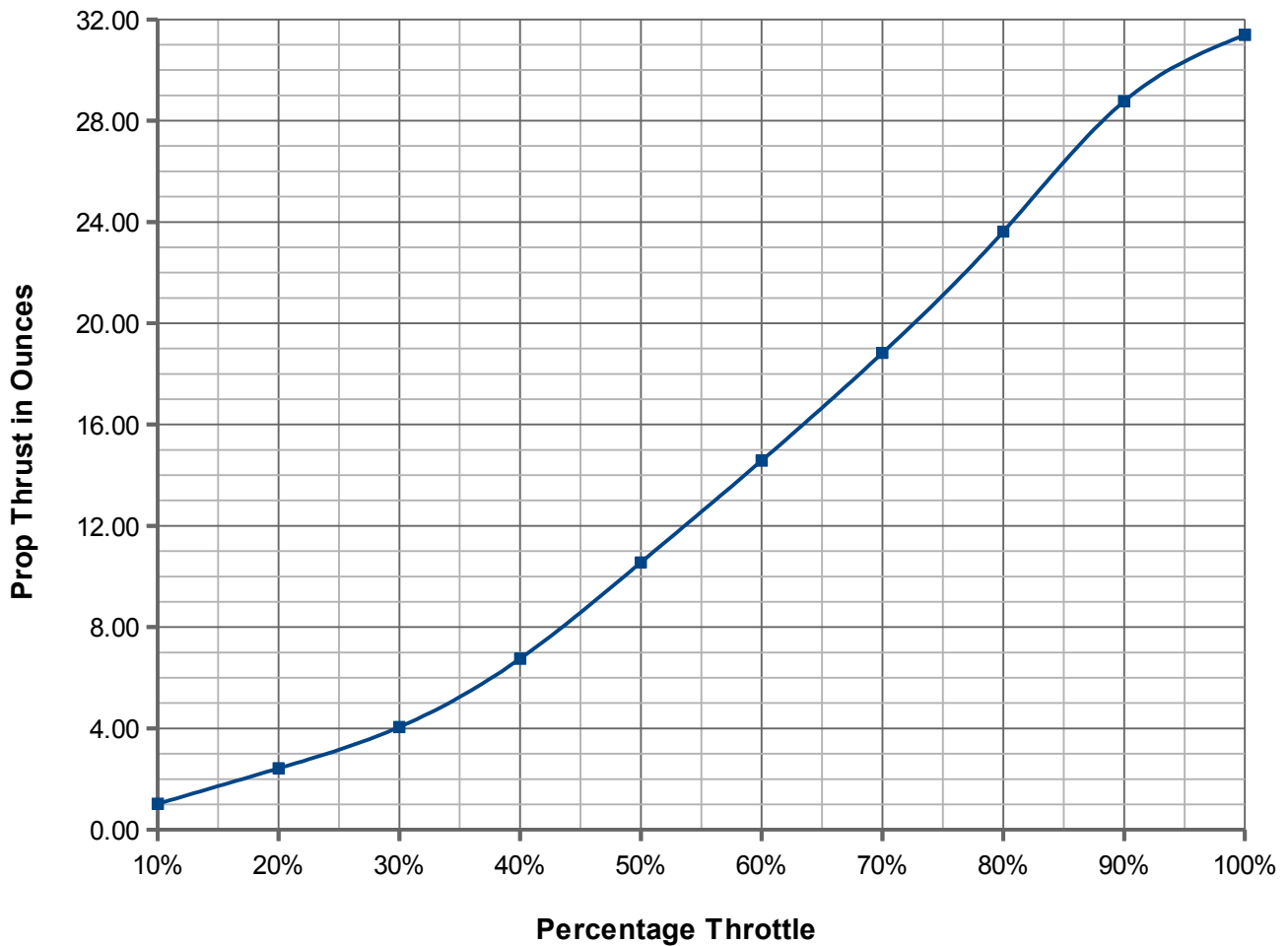
Propeller RPM vs Throttle Position



Cobra CM-2213-36 Motor Test Data, Kv=740

Data Collected at 14.8 volts with GemFan 11x4-MR Wood Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.13	1.92	1,358	29.0	1.02	15.07
20%	0.33	4.85	2,116	68.7	2.42	14.15
30%	0.59	8.78	2,730	115.0	4.05	13.10
40%	1.11	16.44	3,446	191.6	6.75	11.65
50%	1.93	28.52	4,210	299.5	10.56	10.50
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70%	4.26	63.09	5,513	534.2	18.83	8.47
80%	5.87	86.86	6,167	670.2	23.62	7.72
90%	7.80	115.38	6,731	816.3	28.77	7.07
100%	9.01	133.30	7,049	890.6	31.39	6.68

Propeller Thrust vs Throttle Position



Cobra CM-2213-36 Motor Test Data, Kv=740

Data Collected at 14.8 volts with GemFan 11x4-MR Wood Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.13	1.92	1,358	29.0	1.02	15.07
20%	0.33	4.85	2,116	68.7	2.42	14.15
30%	0.59	8.78	2,730	115.0	4.05	13.10
40%	1.11	16.44	3,446	191.6	6.75	11.65
50%	1.93	28.52	4,210	299.5	10.56	10.50
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70%	4.26	63.09	5,513	534.2	18.83	8.47
80%	5.87	86.86	6,167	670.2	23.62	7.72
90%	7.80	115.38	6,731	816.3	28.77	7.07
100%	9.01	133.30	7,049	890.6	31.39	6.68

Propeller Efficiency vs Throttle Position

