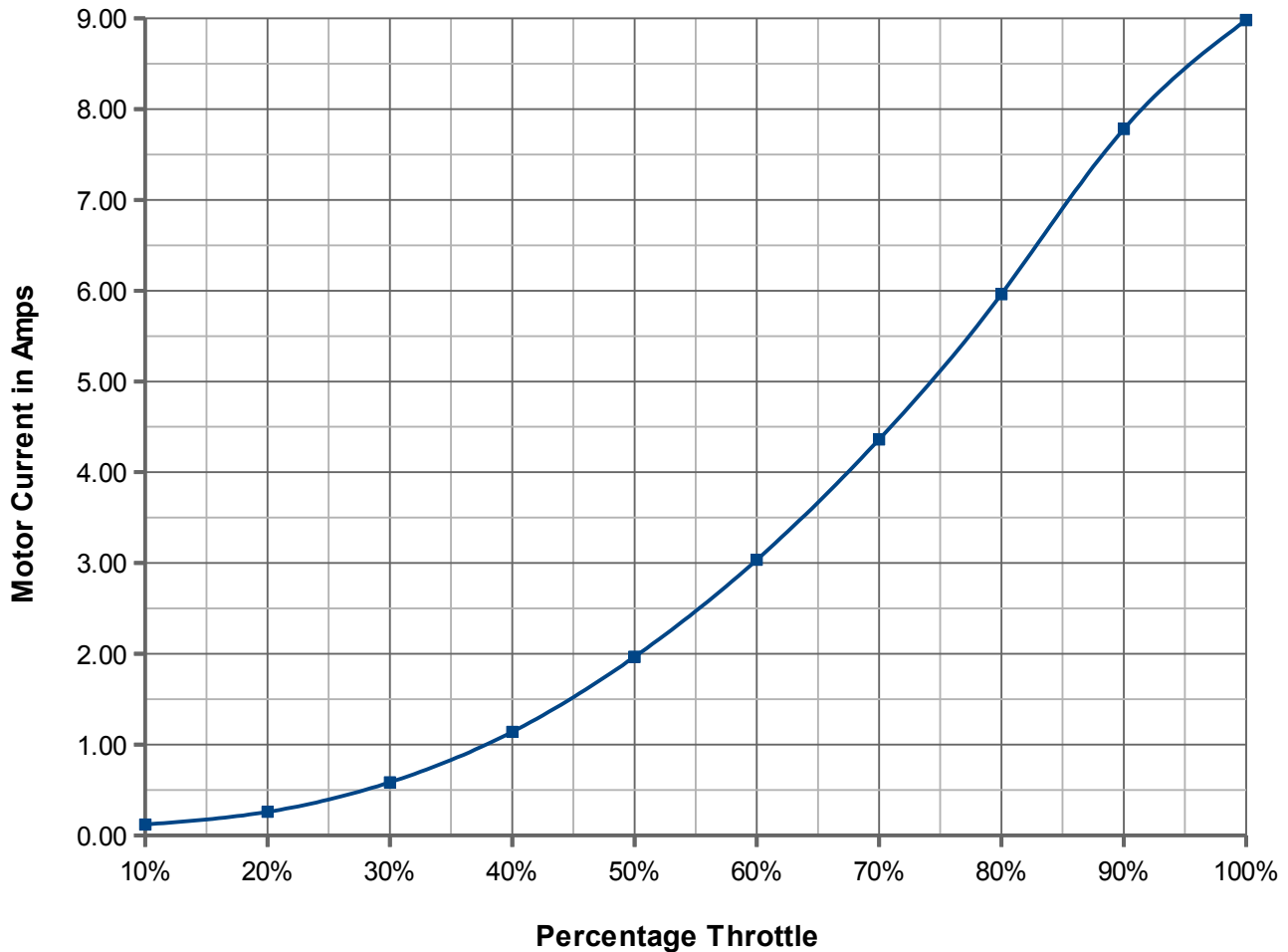


# Cobra CM-2213-36 Motor Test Data, Kv=740

Data Collected at 11.1 volts with GemFan 13x4.5-MR Wood Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.12	1.33	806	22.4	0.79	16.82
20%	0.26	2.89	1,325	45.8	1.61	15.87
30%	0.59	6.49	1,893	96.1	3.39	14.80
40%	1.14	12.67	2,450	172.9	6.09	13.65
50%	1.97	21.83	2,978	268.8	9.47	12.31
60%	3.04	33.69	3,456	370.8	13.07	11.01
70%	4.36	48.42	3,919	480.8	16.94	9.93
80%	5.96	66.19	4,333	591.2	20.84	8.93
90%	7.78	86.37	4,704	710.9	25.05	8.23
100%	8.98	99.68	4,911	773.1	27.25	7.76

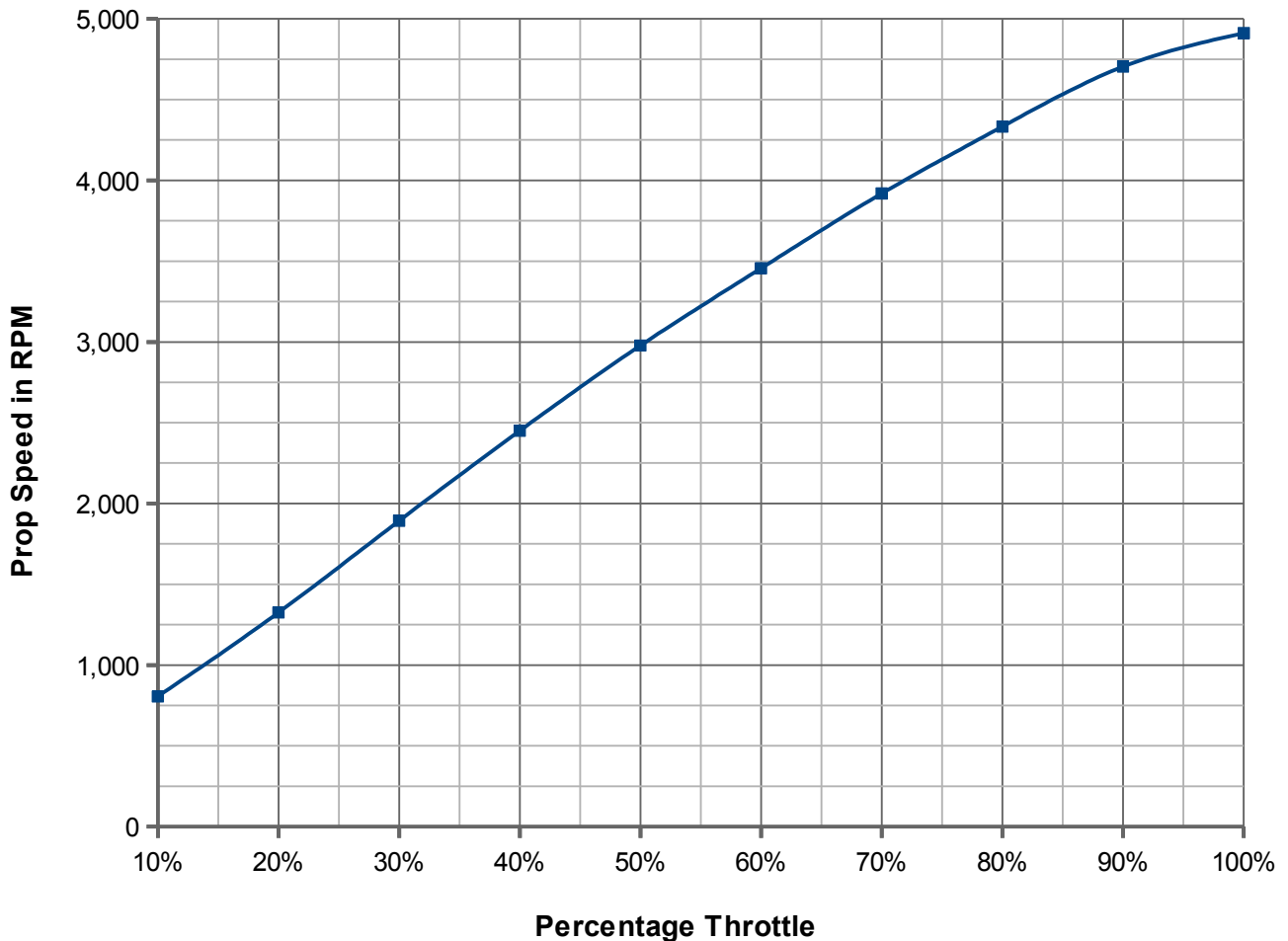
## Motor Current vs Throttle Position



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

Data Collected at 11.1 volts with GemFan 13x4.5-MR Wood Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.12	1.33	806	22.4	0.79	16.82
20%	0.26	2.89	1,325	45.8	1.61	15.87
30%	0.59	6.49	1,893	96.1	3.39	14.80
40%	1.14	12.67	2,450	172.9	6.09	13.65
50%	1.97	21.83	2,978	268.8	9.47	12.31
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80%	5.96	66.19	4,333	591.2	20.84	8.93
90%	7.78	86.37	4,704	710.9	25.05	8.23
100%	8.98	99.68	4,911	773.1	27.25	7.76

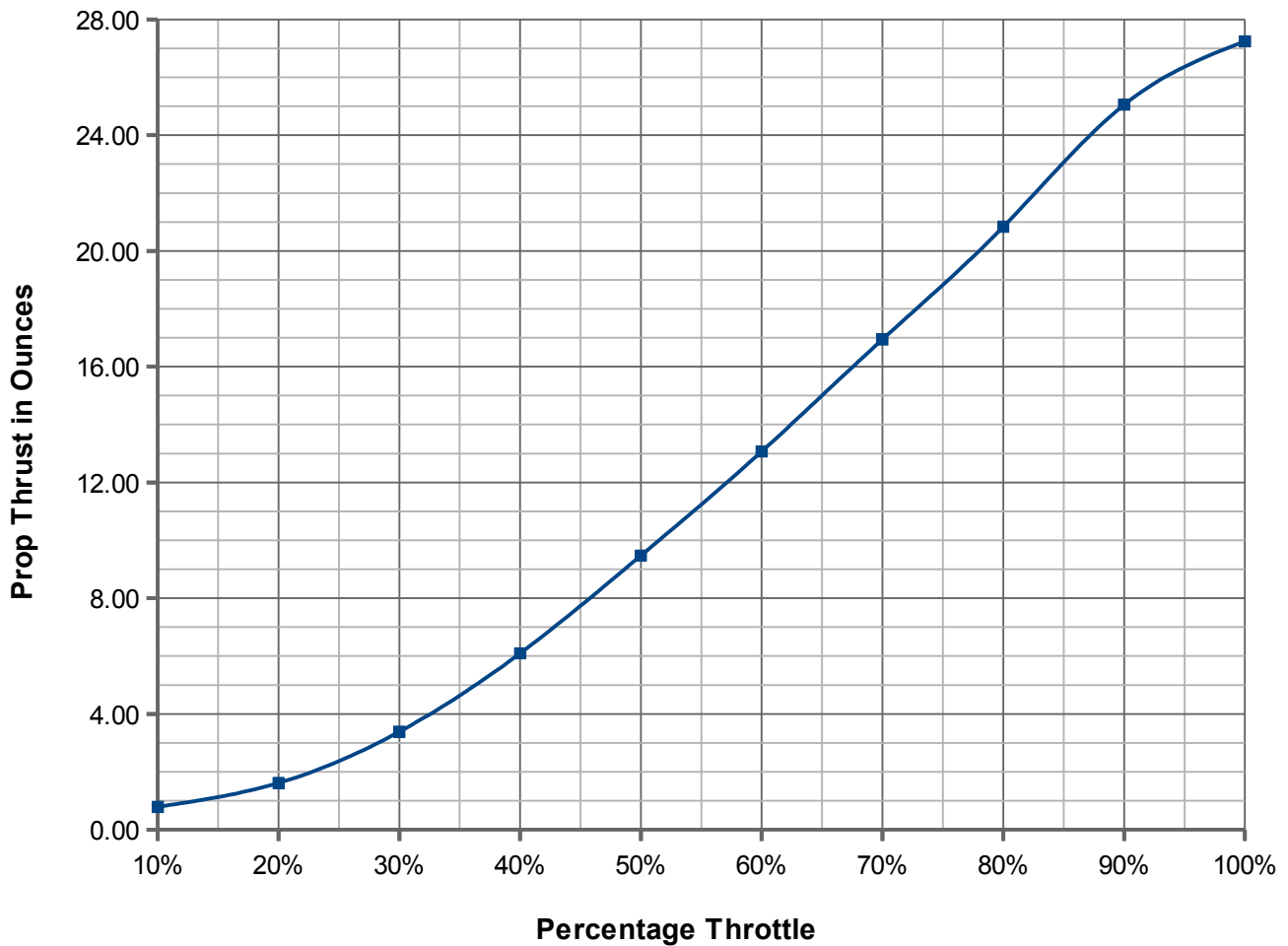
## Propeller RPM vs Throttle Position



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

Data Collected at 11.1 volts with GemFan 13x4.5-MR Wood Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.12	1.33	806	22.4	0.79	16.82
20%	0.26	2.89	1,325	45.8	1.61	15.87
30%	0.59	6.49	1,893	96.1	3.39	14.80
40%	1.14	12.67	2,450	172.9	6.09	13.65
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70%	4.36	48.42	3,919	480.8	16.94	9.93
80%	5.96	66.19	4,333	591.2	20.84	8.93
90%	7.78	86.37	4,704	710.9	25.05	8.23
100%	8.98	99.68	4,911	773.1	27.25	7.76

## Propeller Thrust vs Throttle Position



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

Data Collected at 11.1 volts with GemFan 13x4.5-MR Wood Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.12	1.33	806	22.4	0.79	16.82
20%	0.26	2.89	1,325	45.8	1.61	15.87
30%	0.59	6.49	1,893	96.1	3.39	14.80
40%	1.14	12.67	2,450	172.9	6.09	13.65
50%	1.97	21.83	2,978	268.8	9.47	12.31
60%	3.04	33.69	3,456	370.8	13.07	11.01
70%	4.36	48.42	3,919	480.8	16.94	9.93
80%	5.96	66.19	4,333	591.2	20.84	8.93
90%	7.78	86.37	4,704	710.9	25.05	8.23
100%	8.98	99.68	4,911	773.1	27.25	7.76

## Propeller Efficiency vs Throttle Position

