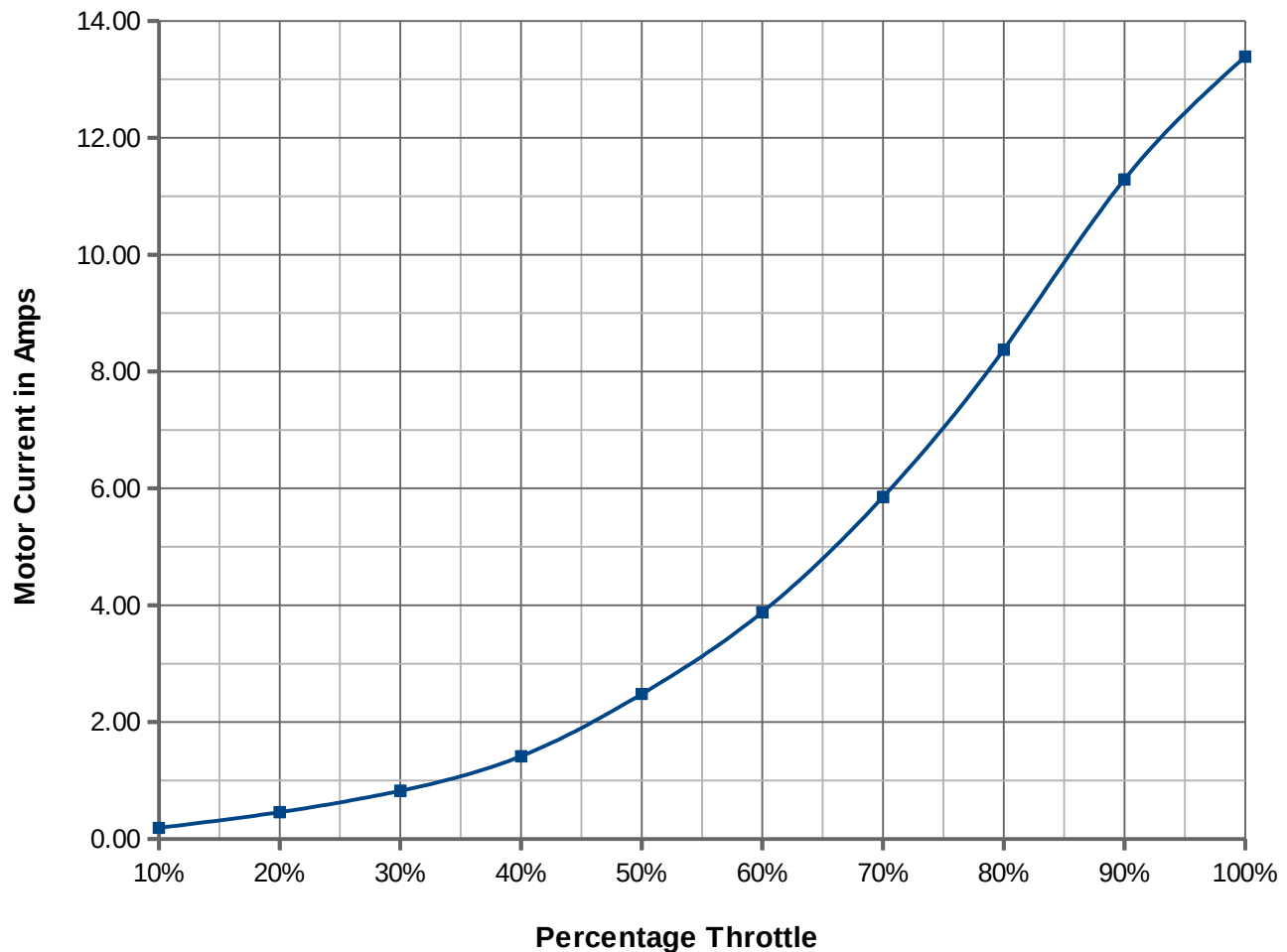


Cobra CM-2814/36 Motor Test Data, Kv=470

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%	0.19	4.20	1,634	61.7	2.17	14.71
20%	0.46	10.17	2,463	141.5	4.99	13.92
30%	0.82	18.29	3,106	238.6	8.41	13.04
40%	1.42	31.41	3,816	358.9	12.65	11.43
50%	2.48	55.06	4,635	550.3	19.39	10.00
60%	3.88	86.16	5,393	763.0	26.89	8.86
70%	5.85	129.96	6,140	1030.8	36.33	7.93
80%	8.38	185.95	6,853	1304.1	45.96	7.01
90%	11.29	250.62	7,530	1581.6	55.74	6.31
100%	13.39	297.28	7,890	1776.7	62.61	5.98

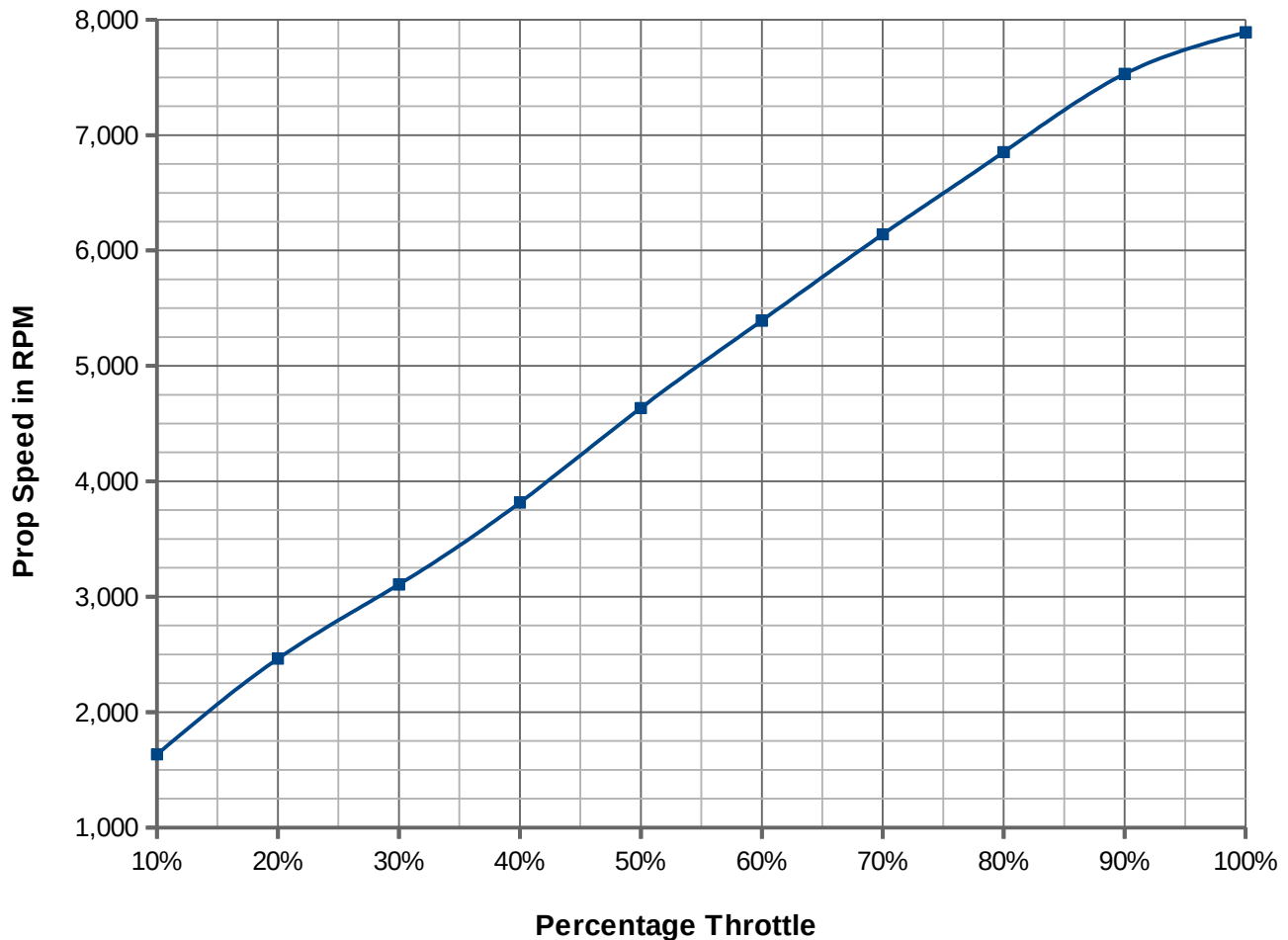
Motor Current vs Throttle Position



Cobra CM-2814/36 Motor Test Data, Kv=470

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%	0.19	4.20	1,634	61.7	2.17	14.71
20%	0.46	10.17	2,463	141.5	4.99	13.92
30%	0.82	18.29	3,106	238.6	8.41	13.04
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80%	8.38	185.95	6,853	1304.1	45.96	7.01
90%	11.29	250.62	7,530	1581.6	55.74	6.31
100%	13.39	297.28	7,890	1776.7	62.61	5.98

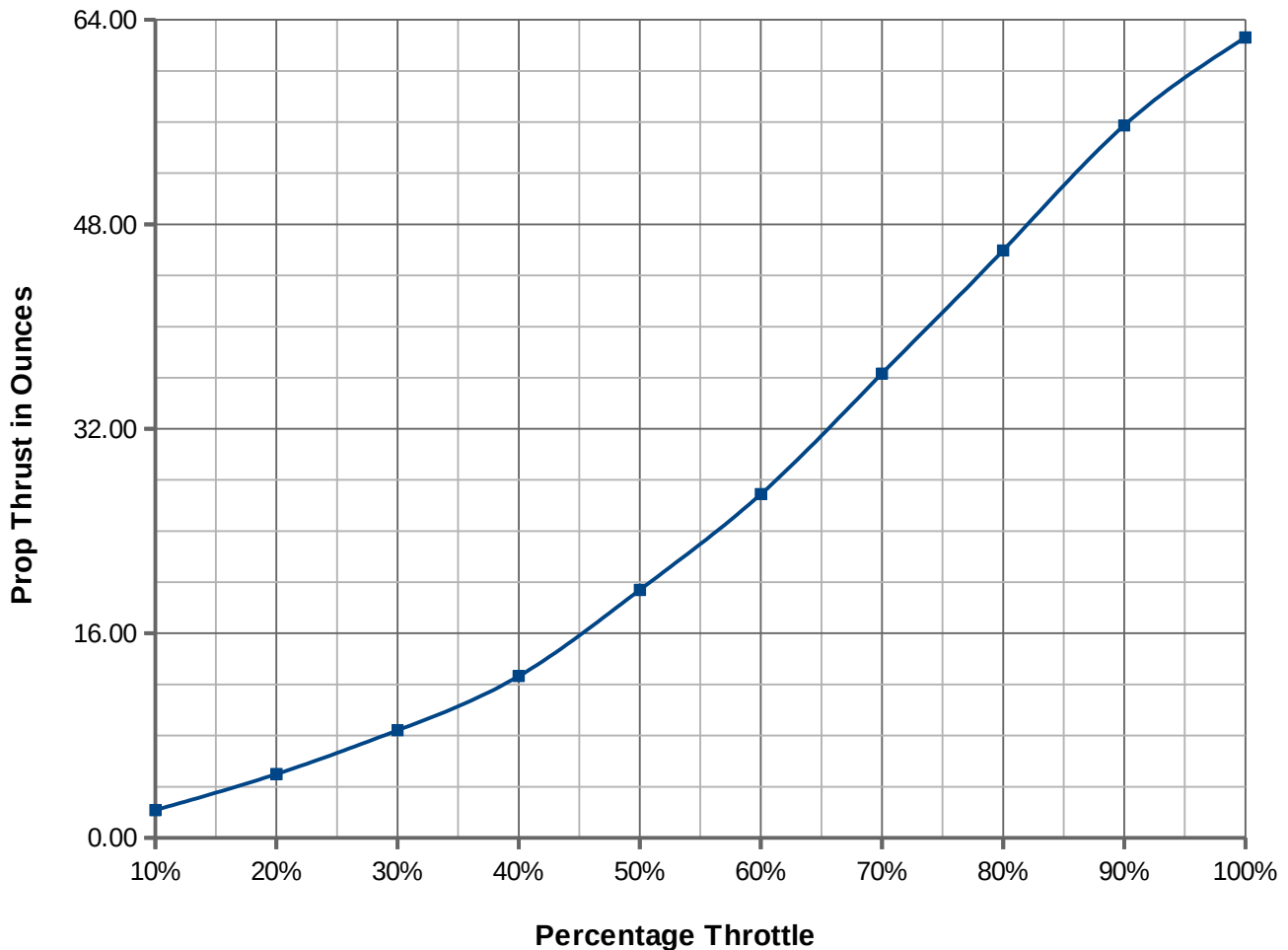
Propeller RPM vs Throttle Position



Cobra CM-2814/36 Motor Test Data, Kv=470

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%	0.19	4.20	1,634	61.7	2.17	14.71
20%	0.46	10.17	2,463	141.5	4.99	13.92
30%	0.82	18.29	3,106	238.6	8.41	13.04
40%	1.42	31.41	3,816	358.9	12.65	11.43
50%	2.48	55.06	4,635	550.3	19.39	10.00
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80%	8.38	185.95	6,853	1304.1	45.96	7.01
90%	11.29	250.62	7,530	1581.6	55.74	6.31
100%	13.39	297.28	7,890	1776.7	62.61	5.98

Propeller Thrust vs Throttle Position



Cobra CM-2814/36 Motor Test Data, Kv=470

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%	0.19	4.20	1,634	61.7	2.17	14.71
20%	0.46	10.17	2,463	141.5	4.99	13.92
30%	0.82	18.29	3,106	238.6	8.41	13.04
40%	1.42	31.41	3,816	358.9	12.65	11.43
50%	2.48	55.06	4,635	550.3	19.39	10.00
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70%	5.85	129.96	6,140	1030.8	36.33	7.93
80%	8.38	185.95	6,853	1304.1	45.96	7.01
90%	11.29	250.62	7,530	1581.6	55.74	6.31
100%	13.39	297.28	7,890	1776.7	62.61	5.98

Propeller Efficiency vs Throttle Position

