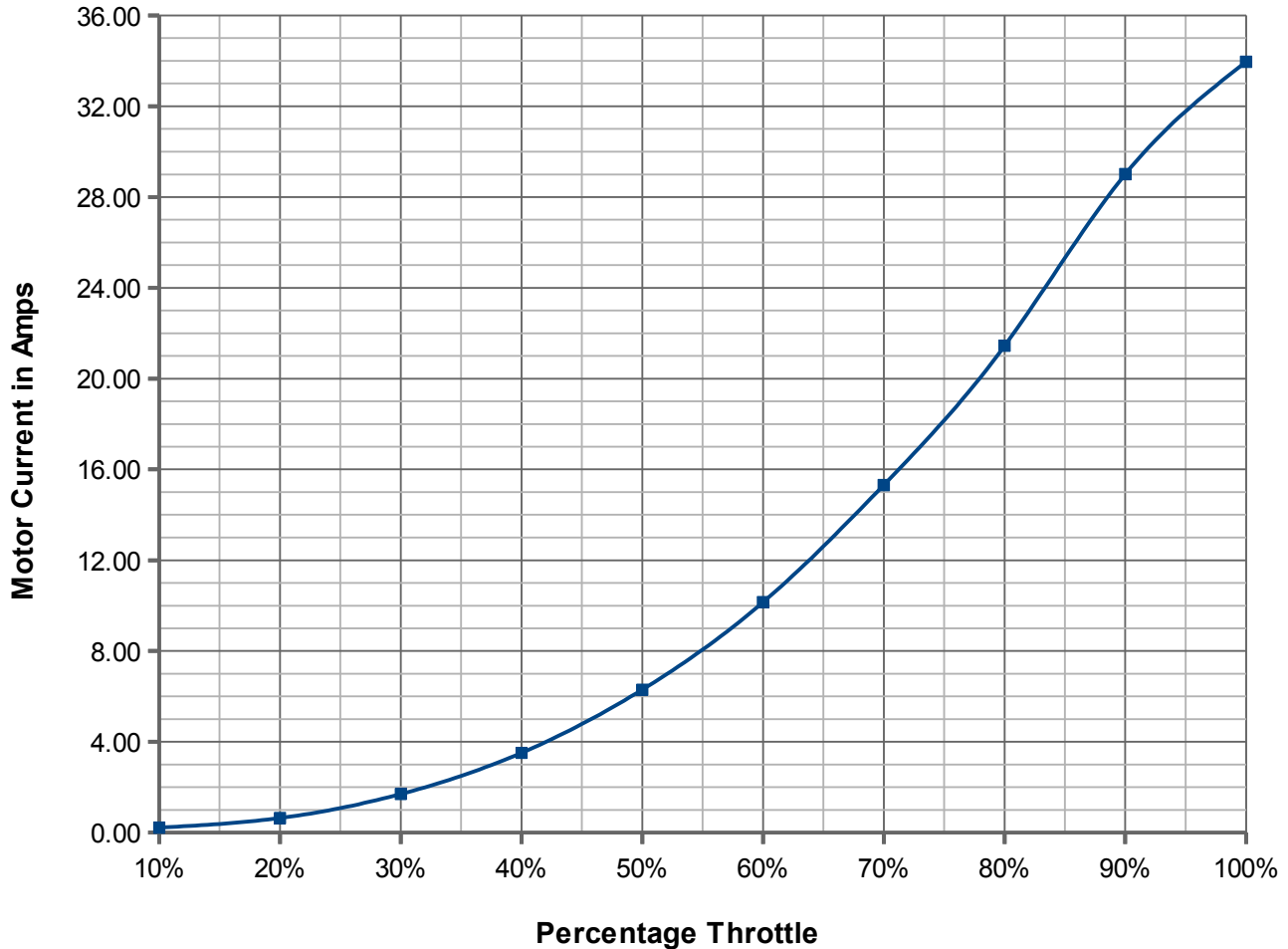


Cobra CM-4510-28 Motor Test Data, Kv=420

Data Collected at 18.5 volts with RC-Timer 16x5.5 CF Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.22	4.05	925	69.2	2.44	17.08
20%	0.64	11.90	1,520	184.9	6.52	15.54
30%	1.70	31.45	2,184	411.5	14.50	13.08
40%	3.51	65.01	2,819	685.4	24.16	10.54
50%	6.30	116.53	3,382	1035.2	36.48	8.88
60%	10.15	187.72	3,900	1414.6	49.85	7.54
70%	15.31	283.25	4,393	1840.4	64.86	6.50
80%	21.45	396.79	4,833	2270.0	80.00	5.72
90%	29.01	536.67	5,238	2697.1	95.05	5.03
100%	33.96	628.22	5,438	2974.5	104.83	4.73

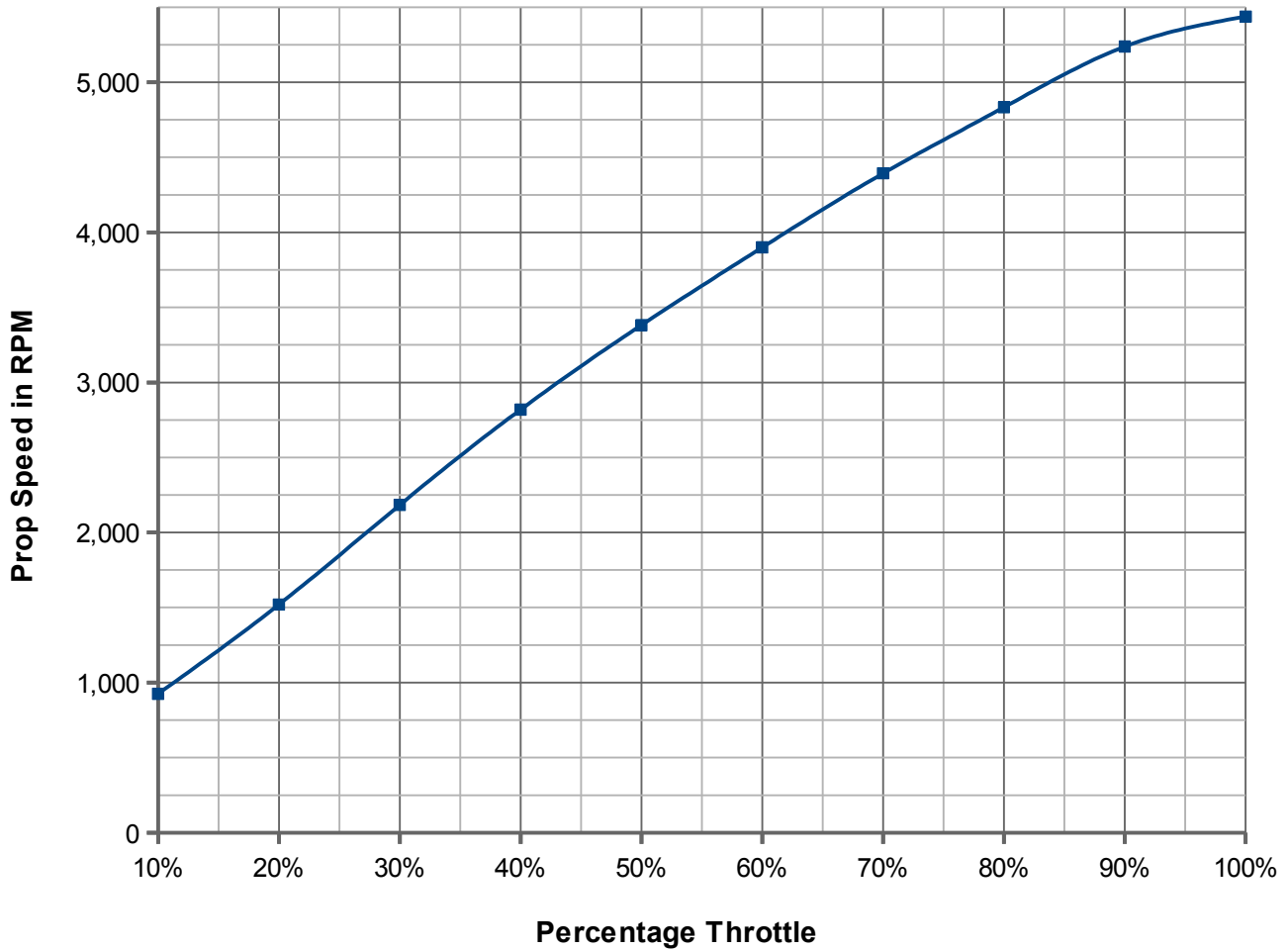
Motor Current vs Throttle Position



Cobra CM-4510-28 Motor Test Data, Kv=420

Data Collected at 18.5 volts with RC-Timer 16x5.5 CF Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.22	4.05	925	69.2	2.44	17.08
20%	0.64	11.90	1,520	184.9	6.52	15.54
30%	1.70	31.45	2,184	411.5	14.50	13.08
40%	3.51	65.01	2,819	685.4	24.16	10.54
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90%	29.01	536.67	5,238	2697.1	95.05	5.03
100%	33.96	628.22	5,438	2974.5	104.83	4.73

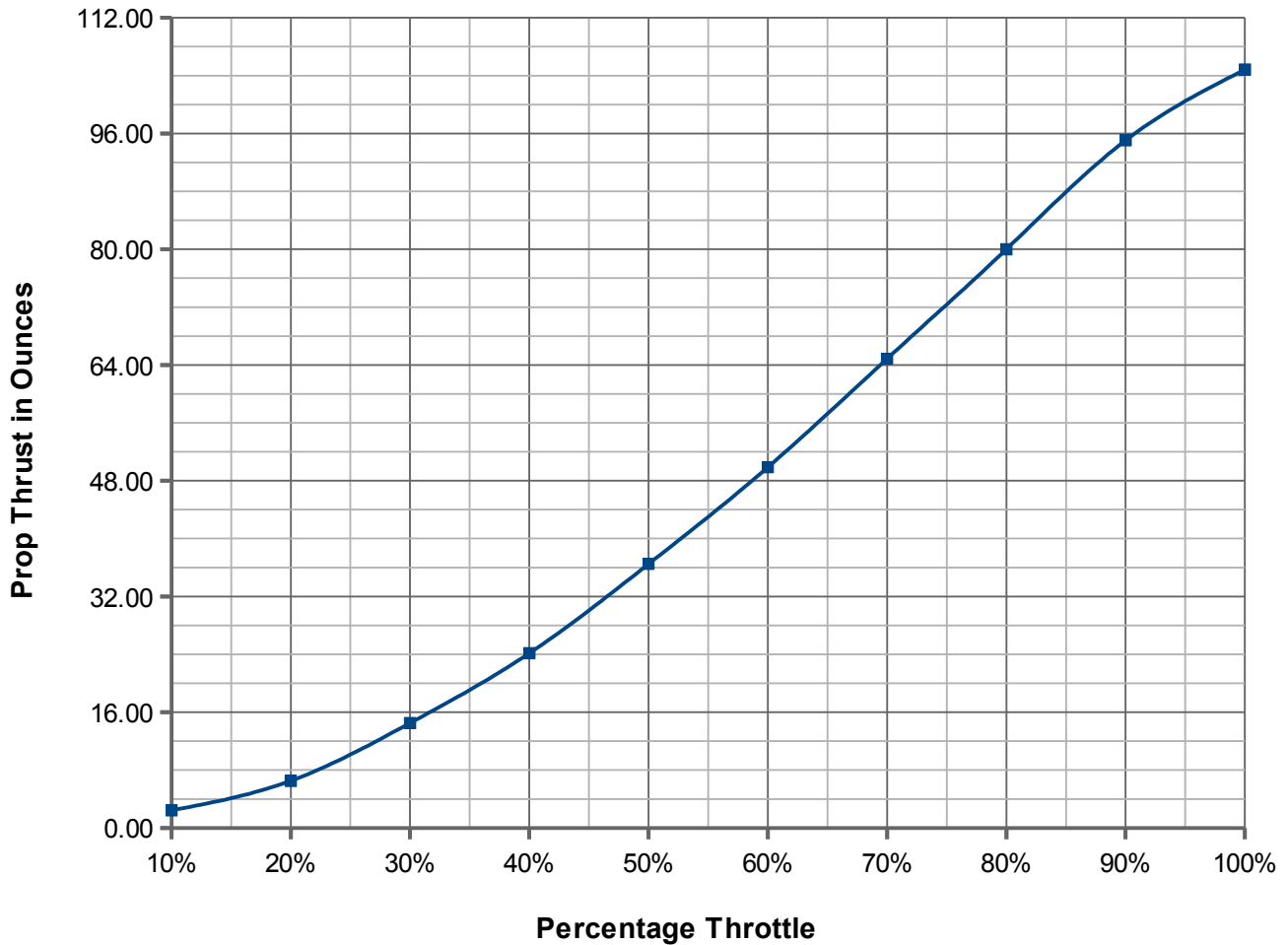
Propeller RPM vs Throttle Position



Cobra CM-4510-28 Motor Test Data, Kv=420

Data Collected at 18.5 volts with RC-Timer 16x5.5 CF Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.22	4.05	925	69.2	2.44	17.08
20%	0.64	11.90	1,520	184.9	6.52	15.54
30%	1.70	31.45	2,184	411.5	14.50	13.08
40%	3.51	65.01	2,819	685.4	24.16	10.54
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70%	15.31	283.25	4,393	1840.4	64.86	6.50
80%	21.45	396.79	4,833	2270.0	80.00	5.72
90%	29.01	536.67	5,238	2697.1	95.05	5.03
100%	33.96	628.22	5,438	2974.5	104.83	4.73

Propeller Thrust vs Throttle Position



Cobra CM-4510-28 Motor Test Data, Kv=420

Data Collected at 18.5 volts with RC-Timer 16x5.5 CF Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.22	4.05	925	69.2	2.44	17.08
20%	0.64	11.90	1,520	184.9	6.52	15.54
30%	1.70	31.45	2,184	411.5	14.50	13.08
40%	3.51	65.01	2,819	685.4	24.16	10.54
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60%	10.15	187.72	3,900	1414.6	49.85	7.54
70%	15.31	283.25	4,393	1840.4	64.86	6.50
80%	21.45	396.79	4,833	2270.0	80.00	5.72
90%	29.01	536.67	5,238	2697.1	95.05	5.03
100%	33.96	628.22	5,438	2974.5	104.83	4.73

Propeller Efficiency vs Throttle Position

