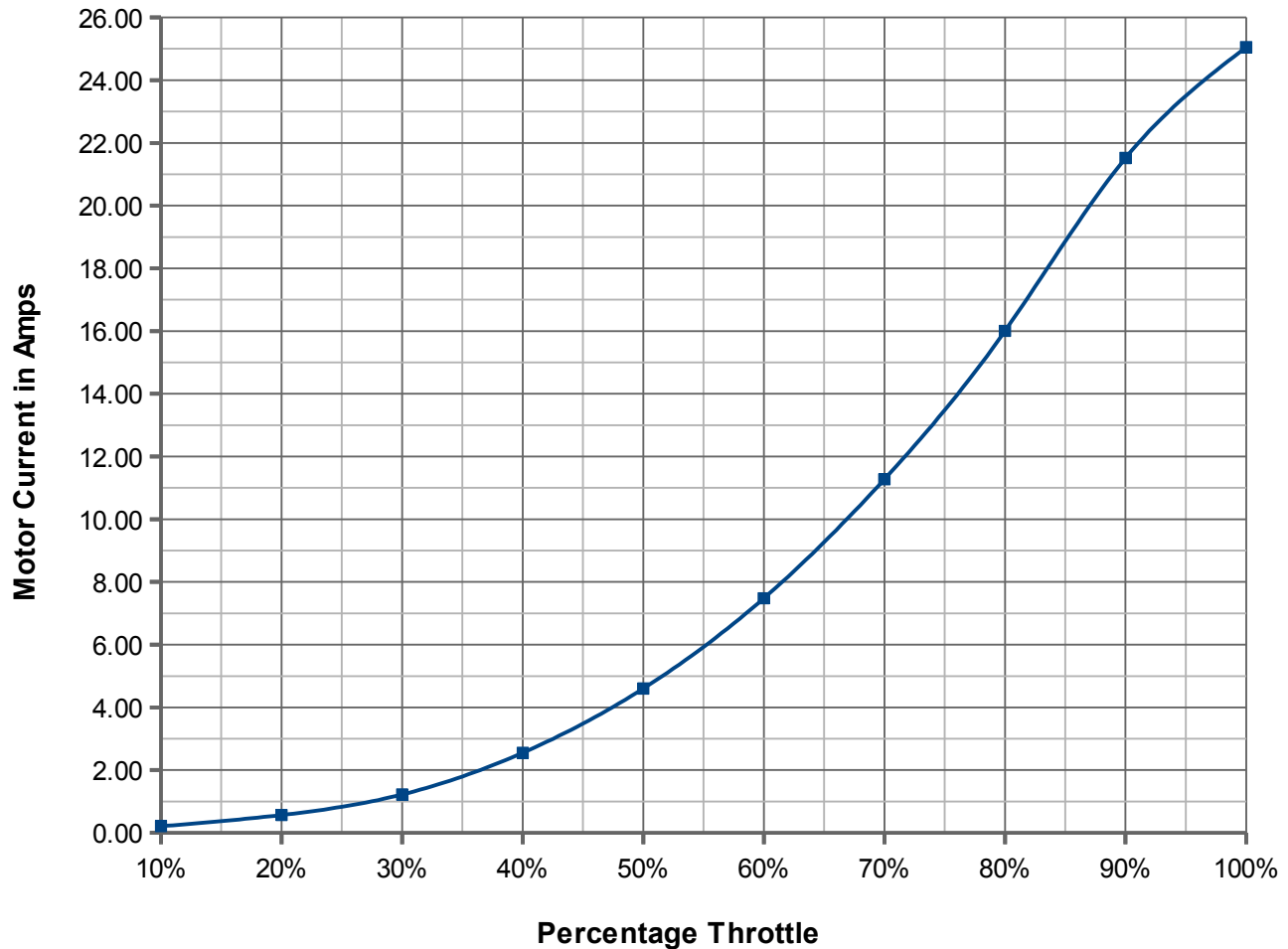


Cobra CM-2820/24 Motor Test Data, Kv=490

Data Collected at 14.8 volts with RC-Timer 15x5.5-CF Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.21	3.14	975	57.5	2.03	18.33
20%	0.57	8.42	1,505	134.8	4.75	16.01
30%	1.22	18.10	2,005	256.5	9.04	14.17
40%	2.56	37.81	2,566	447.8	15.78	11.84
50%	4.60	68.12	3,096	671.9	23.68	9.86
60%	7.48	110.69	3,568	918.3	32.36	8.30
70%	11.27	166.83	3,998	1189.9	41.93	7.13
80%	16.01	236.87	4,394	1471.9	51.87	6.21
90%	21.52	318.47	4,720	1742.1	61.40	5.47
100%	25.05	370.74	4,891	1889.2	66.58	5.10

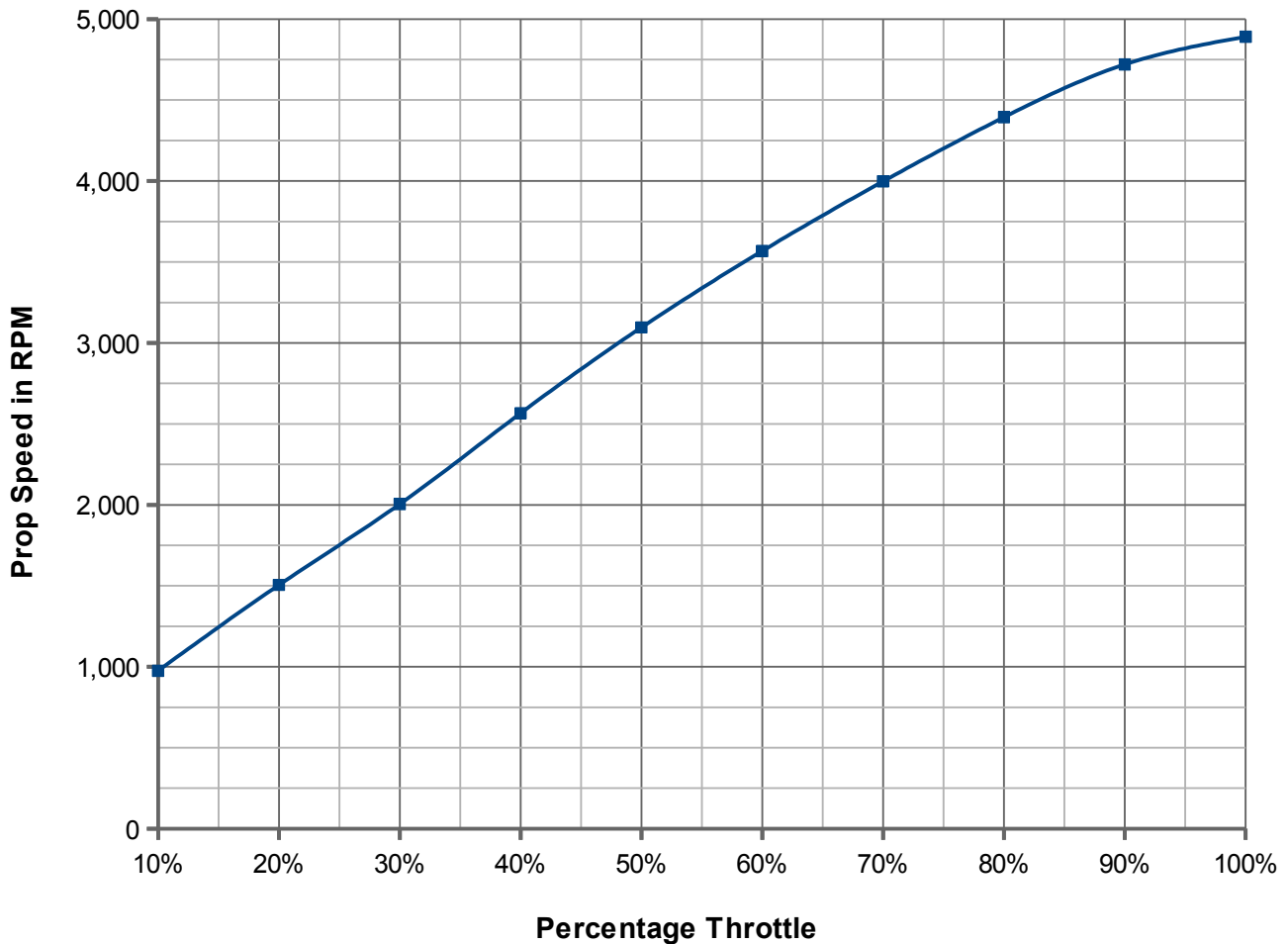
Motor Current vs Throttle Position



Cobra CM-2820/24 Motor Test Data, Kv=490

Data Collected at 14.8 volts with RC-Timer 15x5.5-CF Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.21	3.14	975	57.5	2.03	18.33
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90%	21.52	318.47	4,720	1742.1	61.40	5.47
100%	25.05	370.74	4,891	1889.2	66.58	5.10

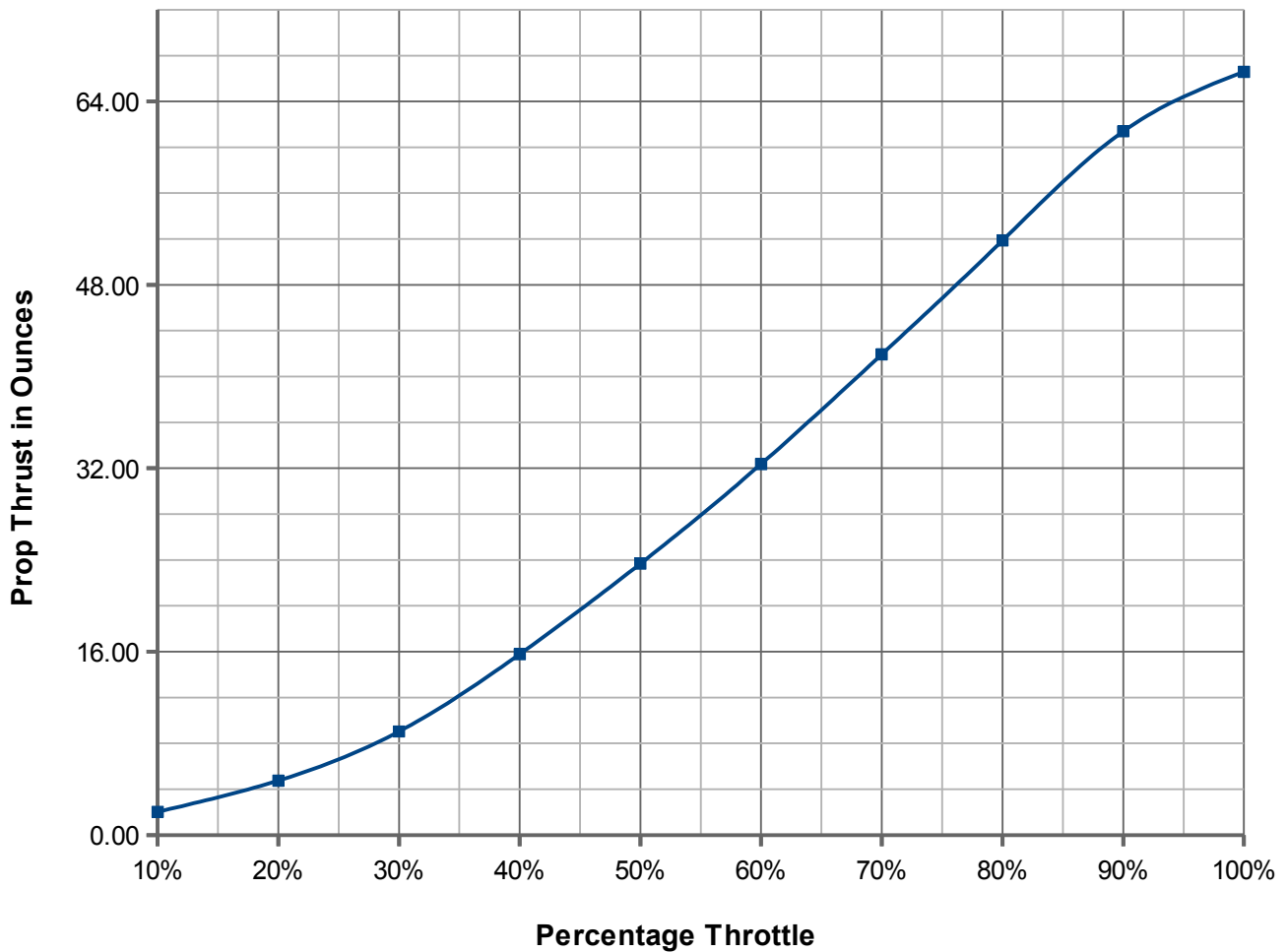
Propeller RPM vs Throttle Position



Cobra CM-2820/24 Motor Test Data, Kv=490

Data Collected at 14.8 volts with RC-Timer 15x5.5-CF Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.21	3.14	975	57.5	2.03	18.33
20%	0.57	8.42	1,505	134.8	4.75	16.01
30%	1.22	18.10	2,005	256.5	9.04	14.17
40%	2.56	37.81	2,566	447.8	15.78	11.84
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70%	11.27	166.83	3,998	1189.9	41.93	7.13
80%	16.01	236.87	4,394	1471.9	51.87	6.21
90%	21.52	318.47	4,720	1742.1	61.40	5.47
100%	25.05	370.74	4,891	1889.2	66.58	5.10

Propeller Thrust vs Throttle Position



Cobra CM-2820/24 Motor Test Data, Kv=490

Data Collected at 14.8 volts with RC-Timer 15x5.5-CF Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.21	3.14	975	57.5	2.03	18.33
20%	0.57	8.42	1,505	134.8	4.75	16.01
30%	1.22	18.10	2,005	256.5	9.04	14.17
40%	2.56	37.81	2,566	447.8	15.78	11.84
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70%	11.27	166.83	3,998	1189.9	41.93	7.13
80%	16.01	236.87	4,394	1471.9	51.87	6.21
90%	21.52	318.47	4,720	1742.1	61.40	5.47
100%	25.05	370.74	4,891	1889.2	66.58	5.10

Propeller Efficiency vs Throttle Position

