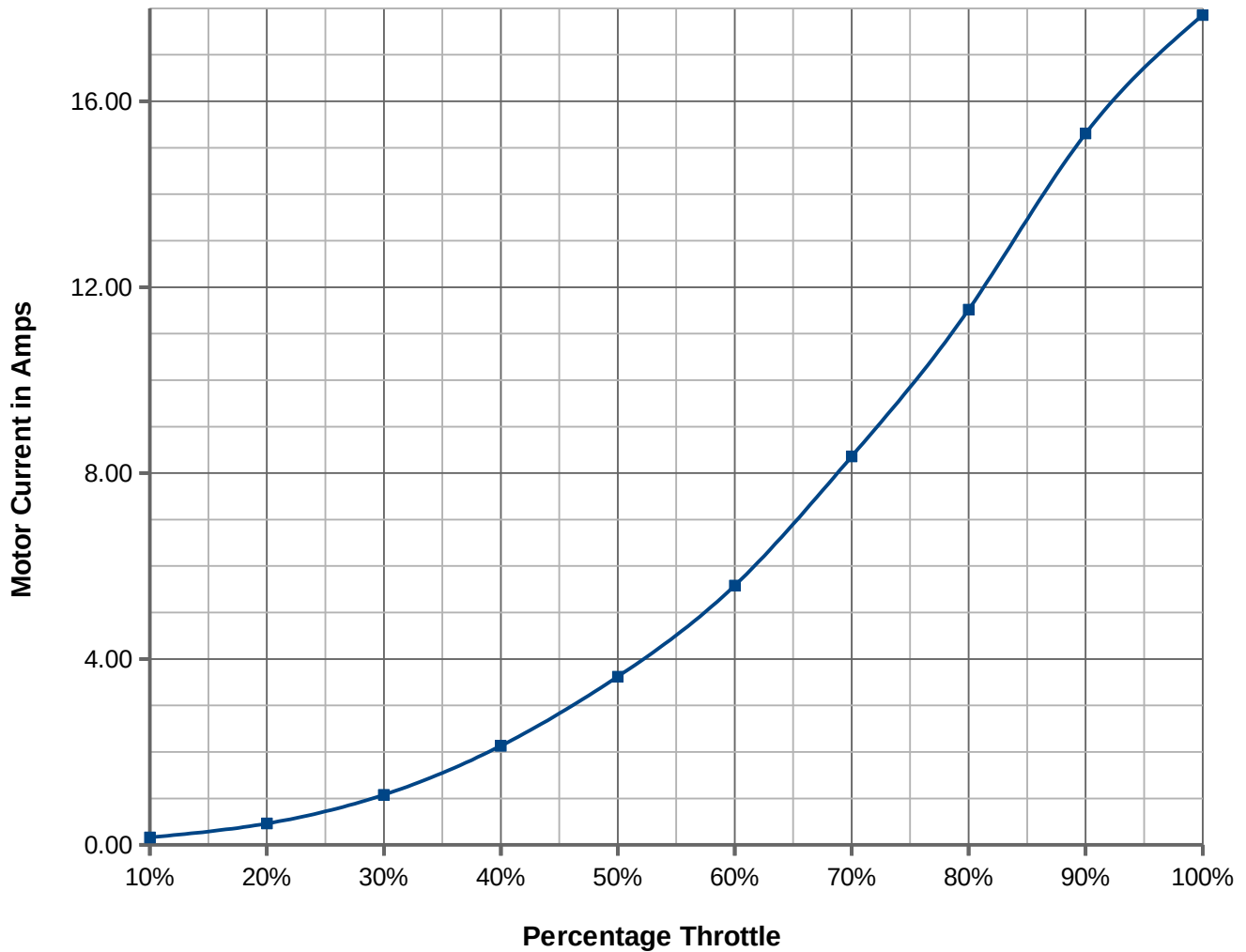


Cobra CM-4010-32 Motor Test Data, Kv=350

Data Collected at 18.5 volts with GemFan 18x5-MR Wood Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.16	2.96	694	35.7	1.26	12.06
20%	0.46	8.51	1,267	128.3	4.53	15.08
30%	1.08	19.96	1,844	285.8	10.08	14.32
40%	2.13	39.41	2,391	506.4	17.86	12.85
50%	3.62	66.99	2,900	758.0	26.74	11.32
60%	5.58	103.23	3,403	1052.7	37.13	10.20
70%	8.36	154.60	3,898	1387.2	48.93	8.97
80%	11.52	213.12	4,341	1718.8	60.63	8.06
90%	15.31	283.18	4,748	2079.3	73.34	7.34
100%	17.85	330.28	4,965	2296.7	81.01	6.95

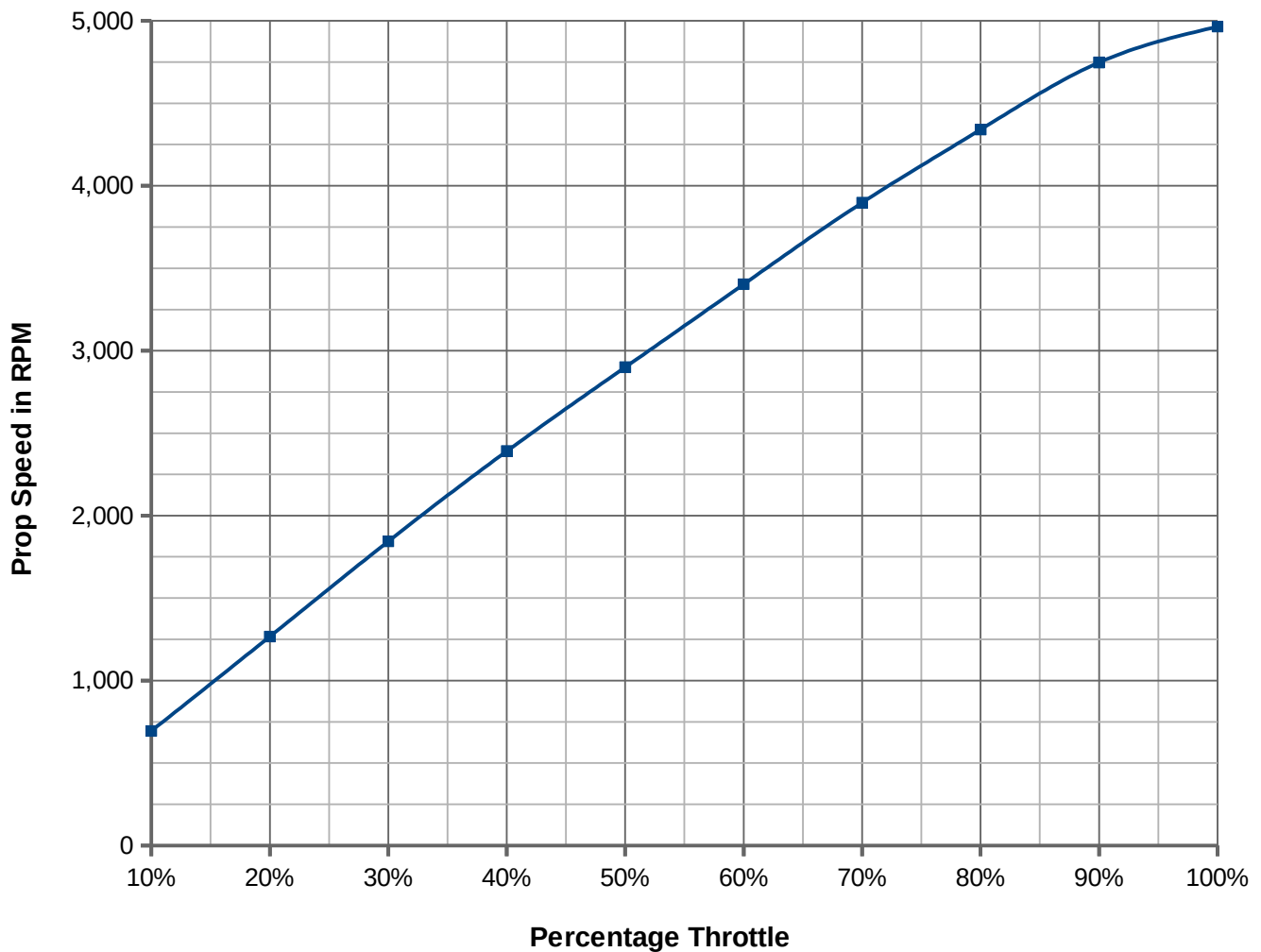
Motor Current vs Throttle Position



Cobra CM-4010-32 Motor Test Data, Kv=350

Data Collected at 18.5 volts with GemFan 18x5-MR Wood Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.16	2.96	694	35.7	1.26	12.06
20%	0.46	8.51	1,267	128.3	4.53	15.08
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100%	17.85	330.28	4,965	2296.7	81.01	6.95

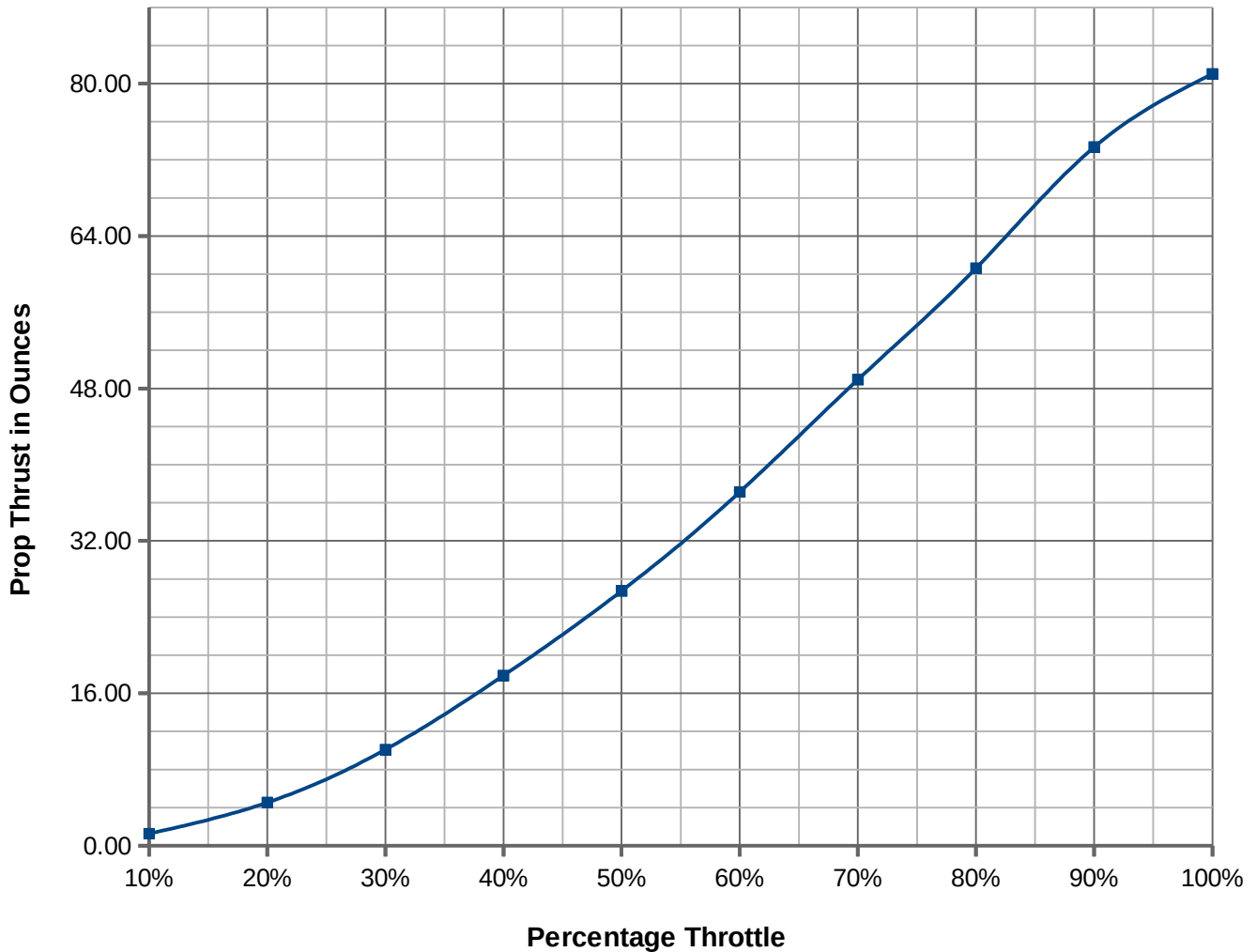
Propeller RPM vs Throttle Position



Cobra CM-4010-32 Motor Test Data, Kv=350

Data Collected at 18.5 volts with GemFan 18x5-MR Wood Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.16	2.96	694	35.7	1.26	12.06
20%	0.46	8.51	1,267	128.3	4.53	15.08
30%	1.08	19.96	1,844	285.8	10.08	14.32
40%	2.13	39.41	2,391	506.4	17.86	12.85
50%	3.62	66.99	2,900	758.0	26.74	11.32
60%	5.58	103.23	3,403	1052.7	37.13	10.20
70%	8.36	154.60	3,898	1387.2	48.93	8.97
80%	11.52	213.12	4,341	1718.8	60.63	8.06
90%	15.31	283.18	4,748	2079.3	73.34	7.34
100%	17.85	330.28	4,965	2296.7	81.01	6.95

Propeller Thrust vs Throttle Position



Cobra CM-4010-32 Motor Test Data, Kv=350

Data Collected at 18.5 volts with GemFan 18x5-MR Wood Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.16	2.96	694	35.7	1.26	12.06
20%	0.46	8.51	1,267	128.3	4.53	15.08
30%	1.08	19.96	1,844	285.8	10.08	14.32
40%	2.13	39.41	2,391	506.4	17.86	12.85
50%	3.62	66.99	2,900	758.0	26.74	11.32
60%	5.58	103.23	3,403	1052.7	37.13	10.20
70%	8.36	154.60	3,898	1387.2	48.93	8.97
80%	11.52	213.12	4,341	1718.8	60.63	8.06
90%	15.31	283.18	4,748	2079.3	73.34	7.34
100%	17.85	330.28	4,965	2296.7	81.01	6.95

Propeller Efficiency vs Throttle Position

