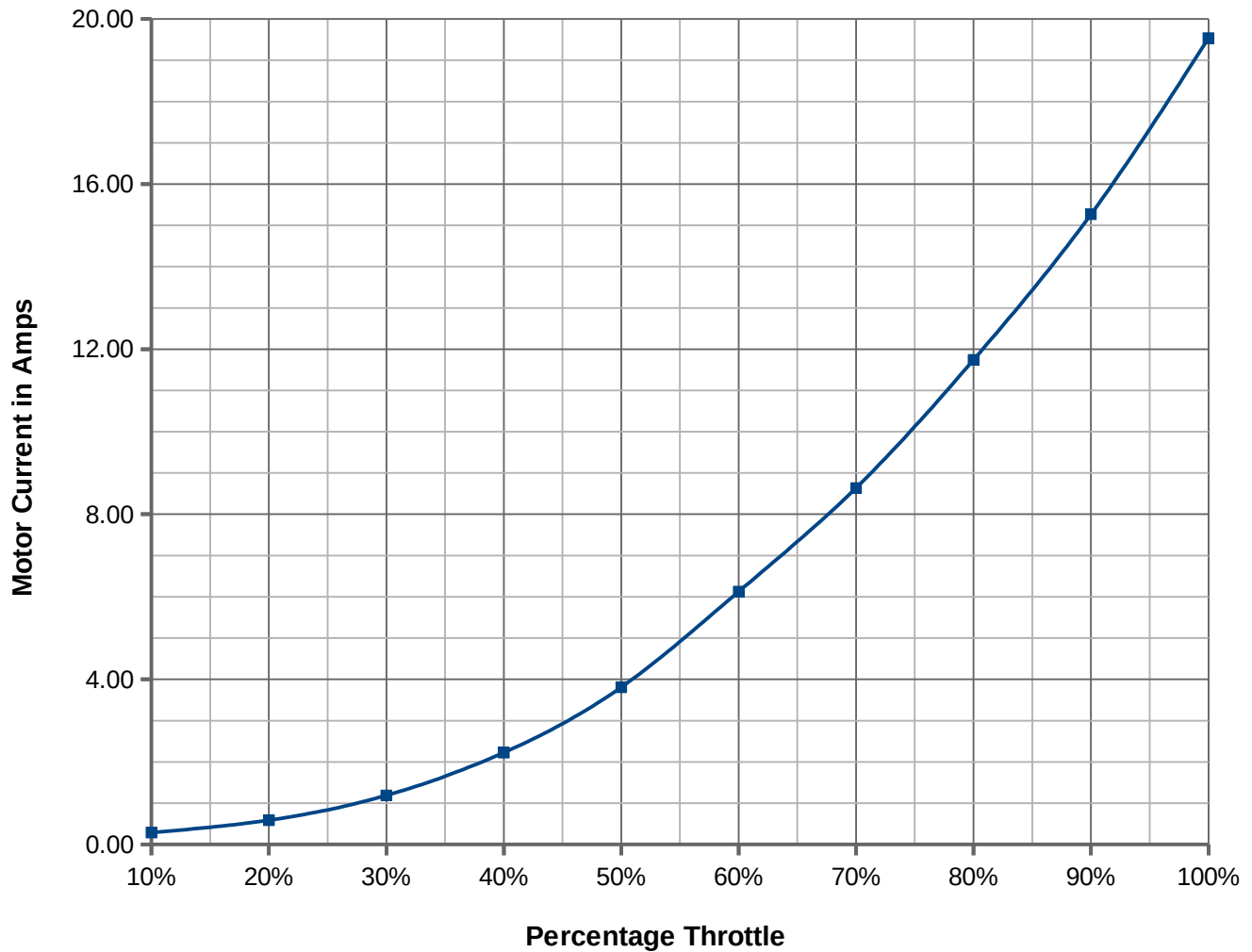


Cobra CM-4012/30 Motor Test Data, Kv=300

Data Collected at 22.2 volts with GemFan 18x5-MR Wood Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.29	6.37	822	48.0	1.69	7.53
20%	0.59	13.03	1,399	159.8	5.64	12.26
30%	1.19	26.37	1,980	335.7	11.84	12.73
40%	2.23	49.44	2,559	582.1	20.53	11.77
50%	3.81	84.56	3,133	887.4	31.30	10.49
60%	6.13	135.98	3,700	1253.3	44.21	9.22
70%	8.64	191.76	4,185	1612.5	56.88	8.41
80%	11.74	260.72	4,627	2013.5	71.02	7.72
90%	15.27	338.99	5,064	2371.5	83.65	7.00
100%	19.54	433.68	5,478	2811.4	99.17	6.48

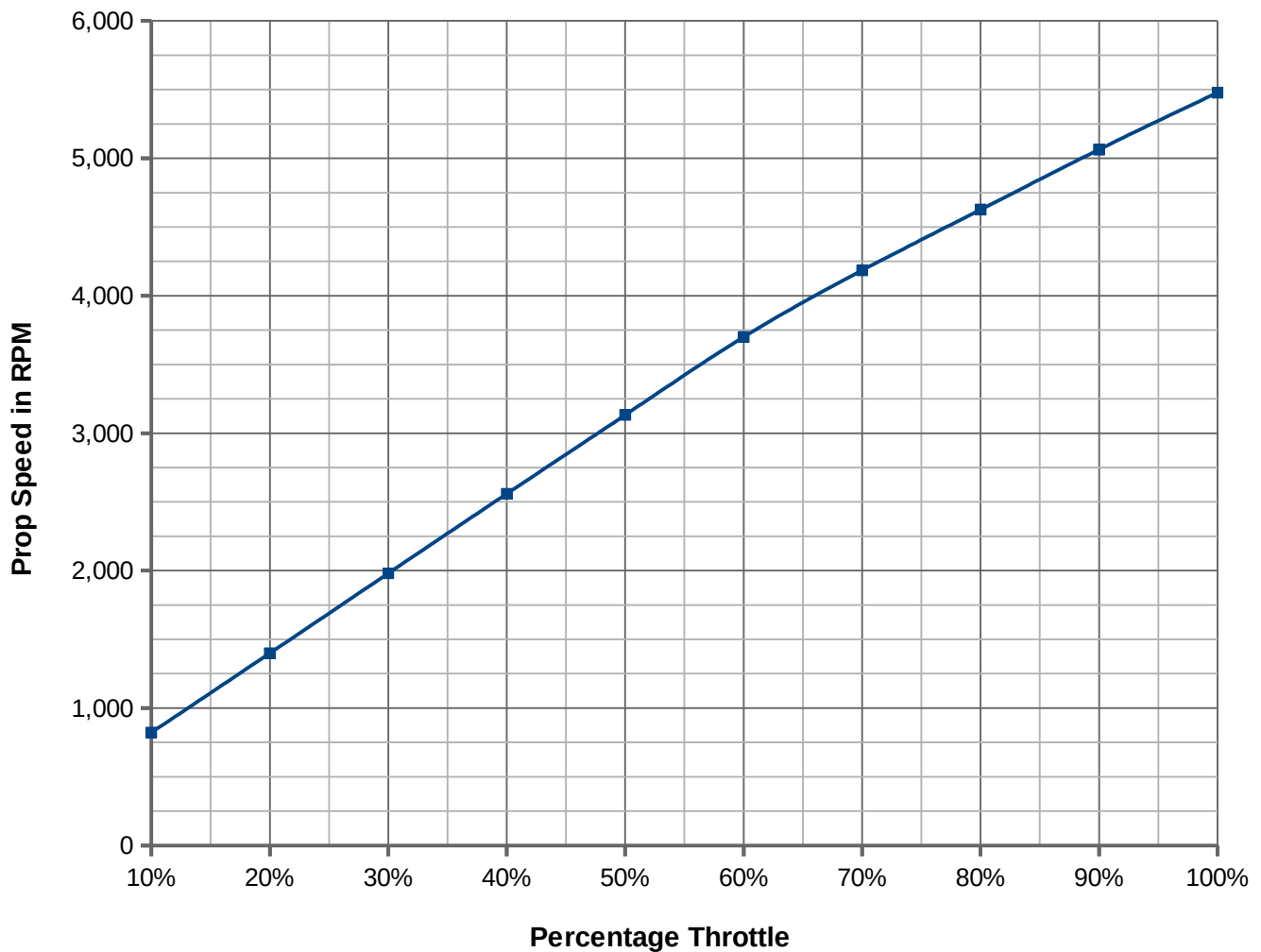
Motor Current vs Throttle Position



Cobra CM-4012/30 Motor Test Data, Kv=300

Data Collected at 22.2 volts with GemFan 18x5-MR Wood Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.29	6.37	822	48.0	1.69	7.53
20%	0.59	13.03	1,399	159.8	5.64	12.26
30%	1.19	26.37	1,980	335.7	11.84	12.73
40%	2.23	49.44	2,559	582.1	20.53	11.77
50%	3.81	84.56	3,133	887.4	31.30	10.49
60%	6.13	135.98	3,700	1253.3	44.21	9.22
70%	8.64	191.76	4,185	1612.5	56.88	8.41
80%	11.74	260.72	4,627	2013.5	71.02	7.72
90%	15.27	338.99	5,064	2371.5	83.65	7.00
100%	19.54	433.68	5,478	2811.4	99.17	6.48

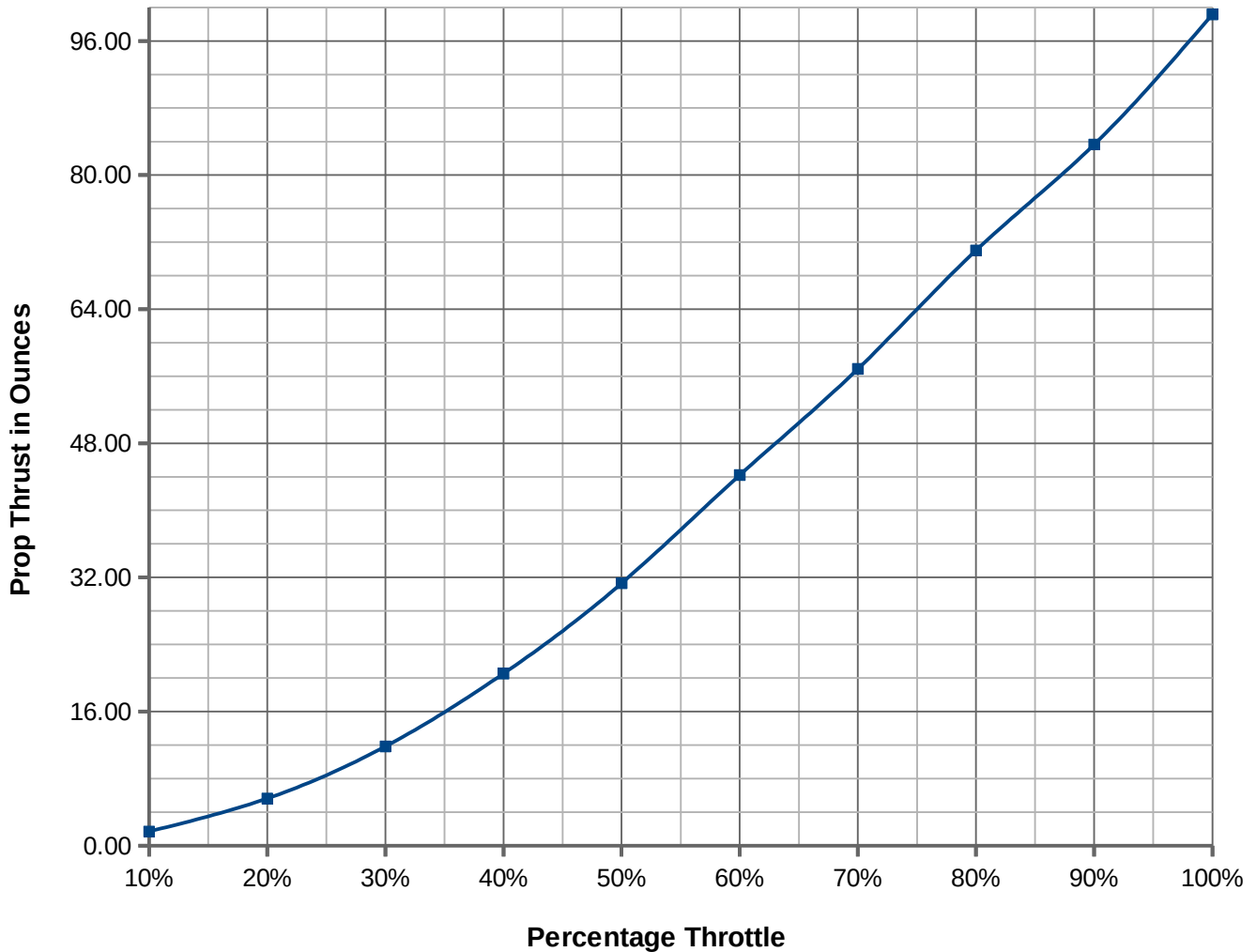
Propeller RPM vs Throttle Position



Cobra CM-4012/30 Motor Test Data, Kv=300

Data Collected at 22.2 volts with GemFan 18x5-MR Wood Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.29	6.37	822	48.0	1.69	7.53
20%	0.59	13.03	1,399	159.8	5.64	12.26
30%	1.19	26.37	1,980	335.7	11.84	12.73
40%	2.23	49.44	2,559	582.1	20.53	11.77
50%	3.81	84.56	3,133	887.4	31.30	10.49
60%	6.13	135.98	3,700	1253.3	44.21	9.22
70%	8.64	191.76	4,185	1612.5	56.88	8.41
80%	11.74	260.72	4,627	2013.5	71.02	7.72
90%	15.27	338.99	5,064	2371.5	83.65	7.00
100%	19.54	433.68	5,478	2811.4	99.17	6.48

Propeller Thrust vs Throttle Position



Cobra CM-4012/30 Motor Test Data, Kv=300

Data Collected at 22.2 volts with GemFan 18x5-MR Wood Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.29	6.37	822	48.0	1.69	7.53
20%	0.59	13.03	1,399	159.8	5.64	12.26
30%	1.19	26.37	1,980	335.7	11.84	12.73
40%	2.23	49.44	2,559	582.1	20.53	11.77
50%	3.81	84.56	3,133	887.4	31.30	10.49
60%	6.13	135.98	3,700	1253.3	44.21	9.22
70%	8.64	191.76	4,185	1612.5	56.88	8.41
80%	11.74	260.72	4,627	2013.5	71.02	7.72
90%	15.27	338.99	5,064	2371.5	83.65	7.00
100%	19.54	433.68	5,478	2811.4	99.17	6.48

Propeller Efficiency vs Throttle Position

