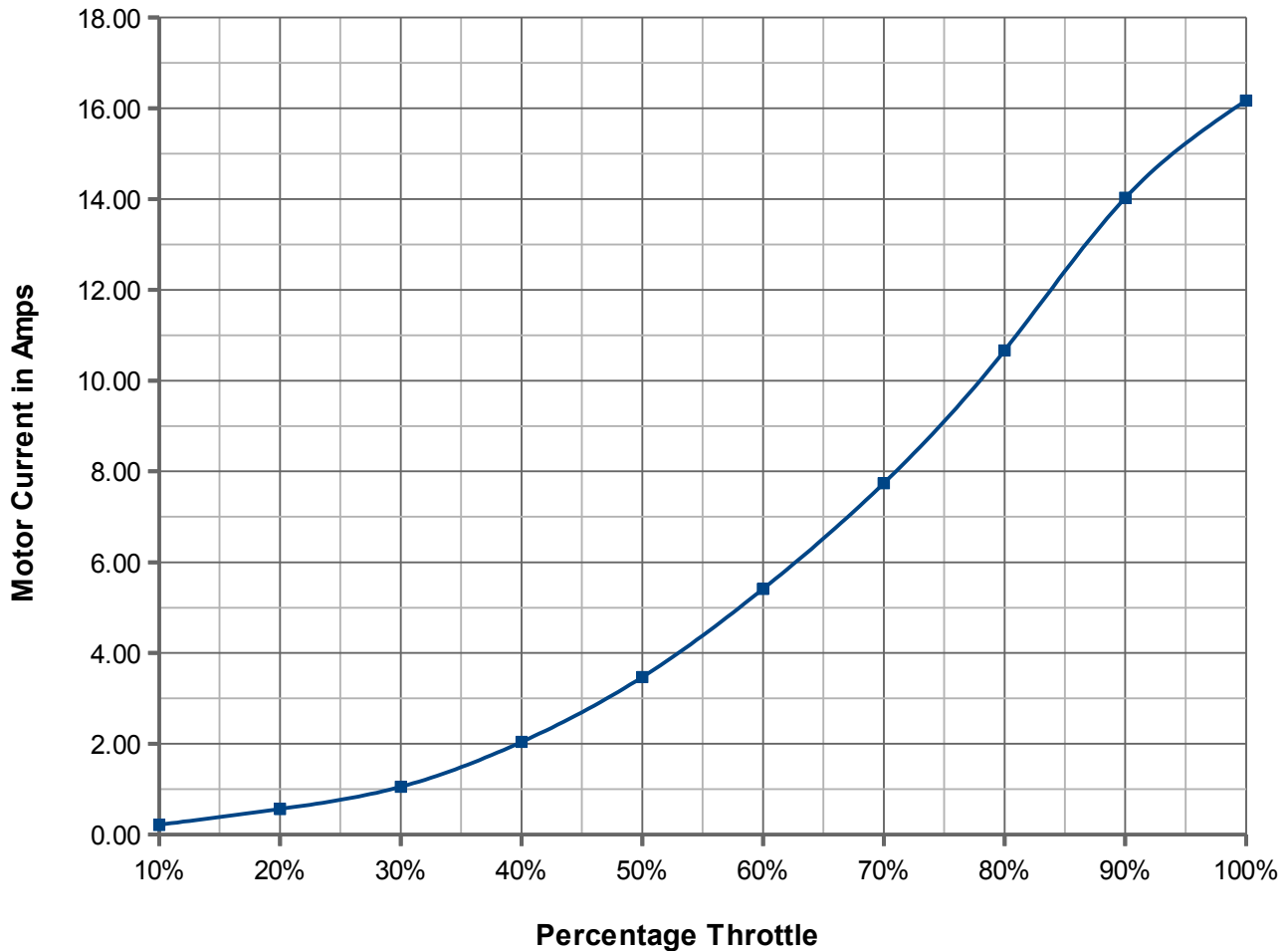


Cobra CM-2217-20 Motor Test Data, Kv=950

Data Collected at 11.1 volts with GemFan 12x4-MR Wood Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.22	2.41	1,253	32.2	1.13	13.37
20%	0.57	6.28	1,979	81.1	2.86	12.91
30%	1.05	11.69	2,577	143.0	5.04	12.23
40%	2.04	22.66	3,310	243.8	8.59	10.76
50%	3.47	38.51	4,036	367.7	12.96	9.55
60%	5.41	60.06	4,669	520.5	18.34	8.67
70%	7.74	85.89	5,272	672.0	23.68	7.82
80%	10.67	118.39	5,858	851.8	30.02	7.19
90%	14.03	155.69	6,398	1014.5	35.75	6.52
100%	16.17	179.50	6,671	1114.6	39.28	6.21

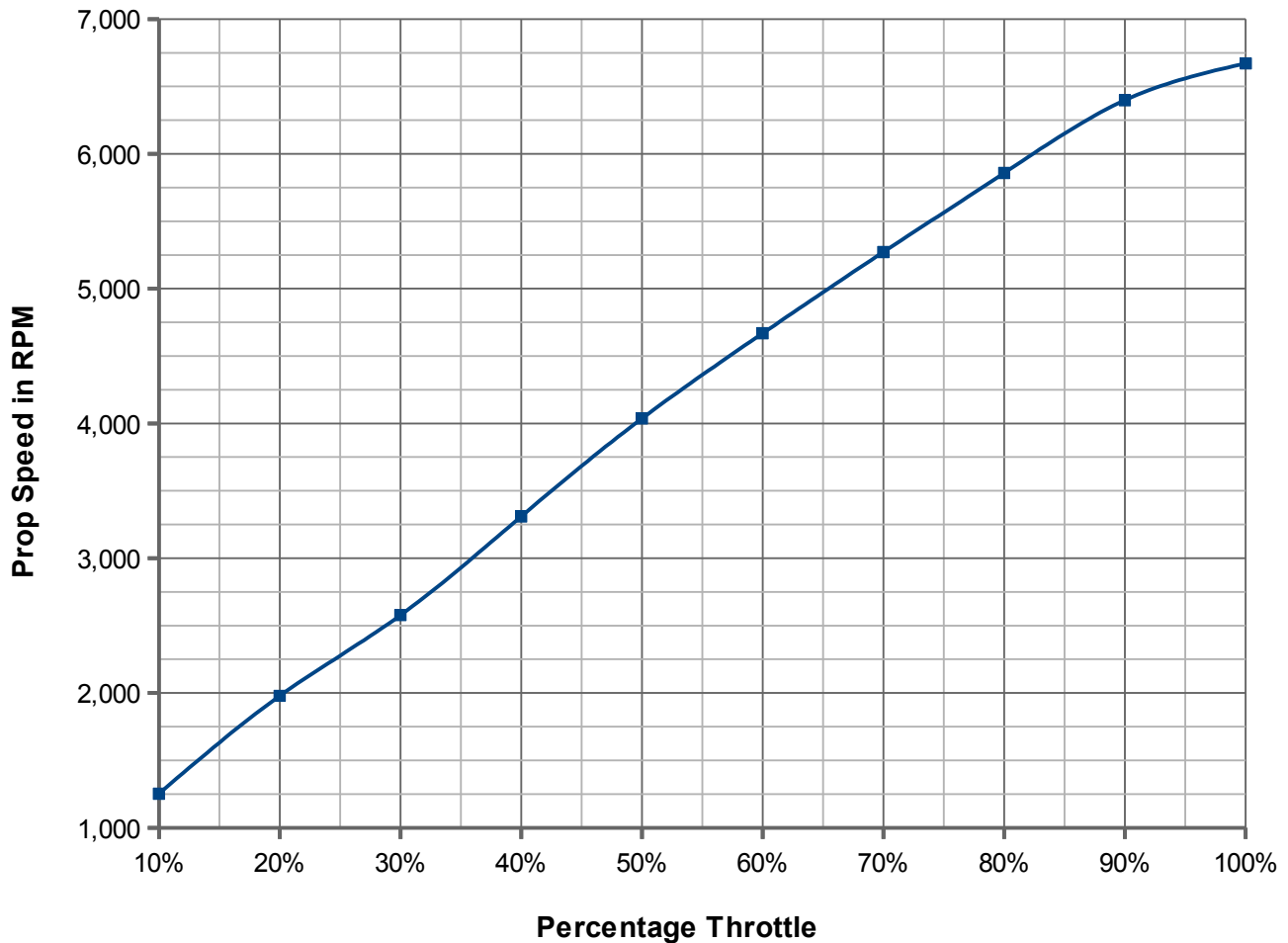
Motor Current vs Throttle Position



Cobra CM-2217-20 Motor Test Data, Kv=950

Data Collected at 11.1 volts with GemFan 12x4-MR Wood Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.22	2.41	1,253	32.2	1.13	13.37
20%	0.57	6.28	1,979	81.1	2.86	12.91
30%	1.05	11.69	2,577	143.0	5.04	12.23
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80%	10.67	118.39	5,858	851.8	30.02	7.19
90%	14.03	155.69	6,398	1014.5	35.75	6.52
100%	16.17	179.50	6,671	1114.6	39.28	6.21

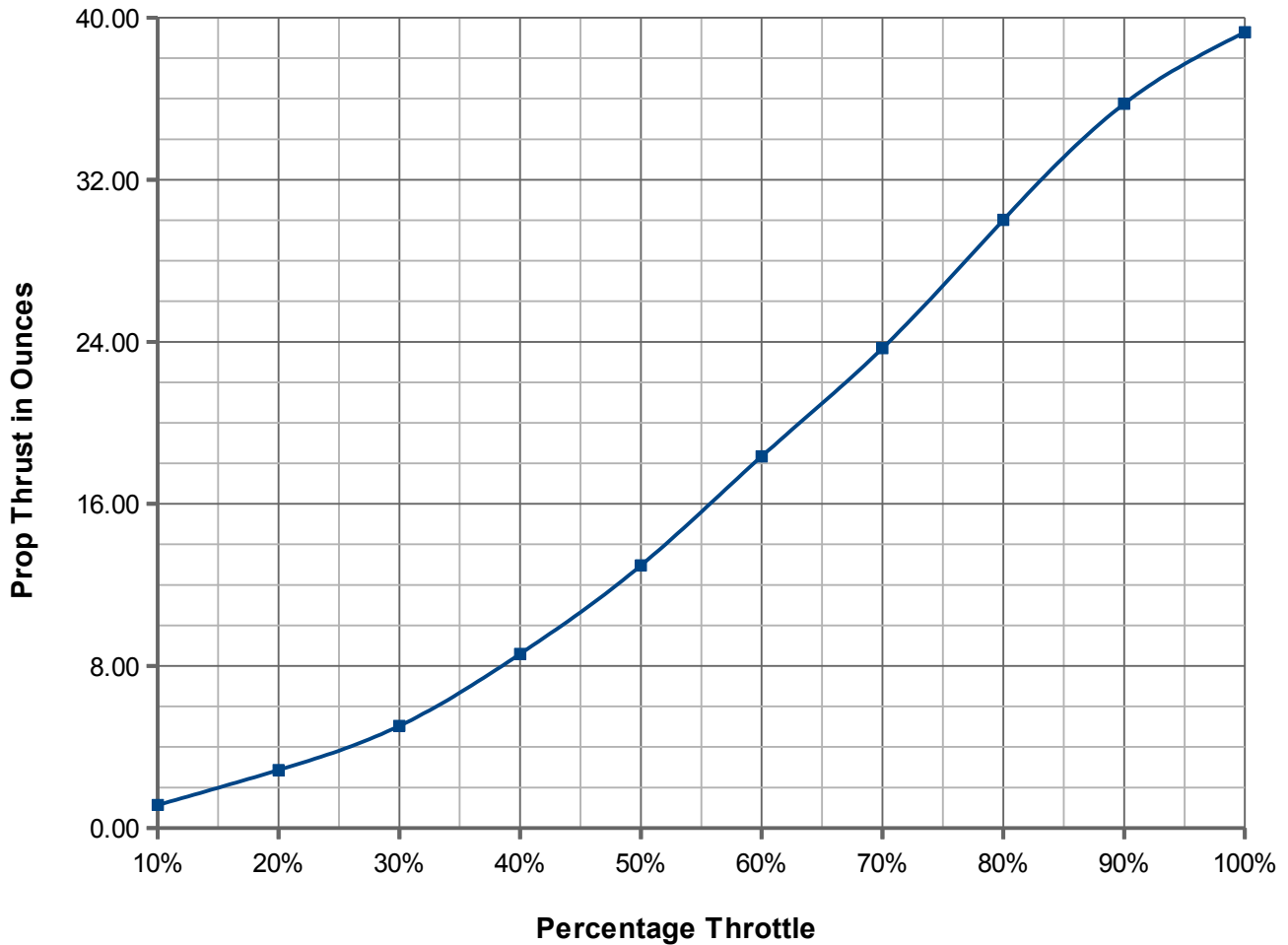
Propeller RPM vs Throttle Position



Cobra CM-2217-20 Motor Test Data, Kv=950

Data Collected at 11.1 volts with GemFan 12x4-MR Wood Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.22	2.41	1,253	32.2	1.13	13.37
20%	0.57	6.28	1,979	81.1	2.86	12.91
30%	1.05	11.69	2,577	143.0	5.04	12.23
40%	2.04	22.66	3,310	243.8	8.59	10.76
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70%	7.74	85.89	5,272	672.0	23.68	7.82
80%	10.67	118.39	5,858	851.8	30.02	7.19
90%	14.03	155.69	6,398	1014.5	35.75	6.52
100%	16.17	179.50	6,671	1114.6	39.28	6.21

Propeller Thrust vs Throttle Position



Cobra CM-2217-20 Motor Test Data, Kv=950

Data Collected at 11.1 volts with GemFan 12x4-MR Wood Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.22	2.41	1,253	32.2	1.13	13.37
20%	0.57	6.28	1,979	81.1	2.86	12.91
30%	1.05	11.69	2,577	143.0	5.04	12.23
40%	2.04	22.66	3,310	243.8	8.59	10.76
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70%	7.74	85.89	5,272	672.0	23.68	7.82
80%	10.67	118.39	5,858	851.8	30.02	7.19
90%	14.03	155.69	6,398	1014.5	35.75	6.52
100%	16.17	179.50	6,671	1114.6	39.28	6.21

Propeller Efficiency vs Throttle Position

