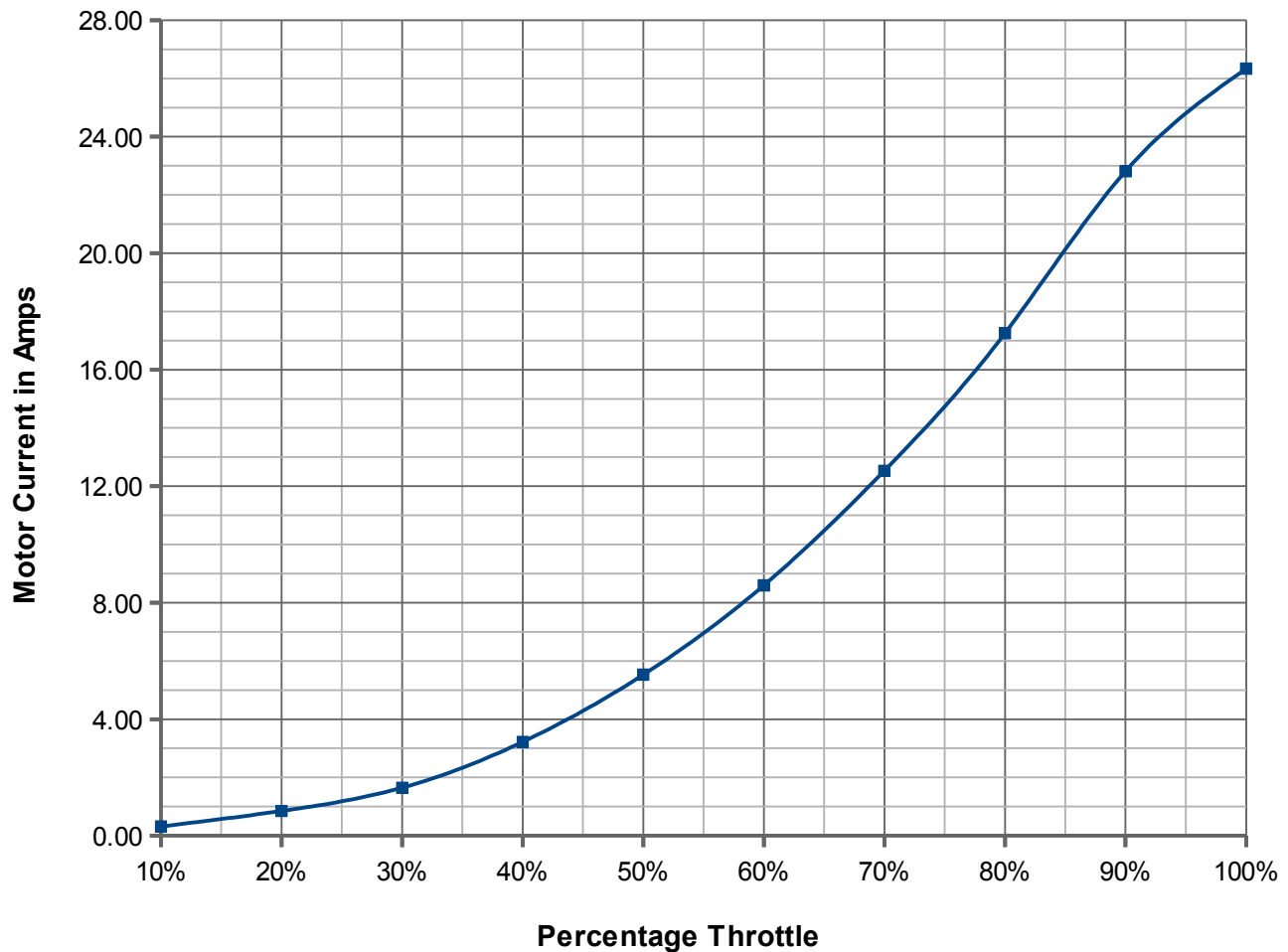


Cobra CM-2820/16 Motor Test Data, Kv=740

Data Collected at 11.1 volts with GemFan 16x4.5-MR Wood Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.32	3.50	997	50.3	1.77	14.39
20%	0.85	9.41	1,573	134.5	4.74	14.29
30%	1.65	18.30	2,066	242.4	8.54	13.24
40%	3.22	35.73	2,674	418.2	14.74	11.70
50%	5.53	61.33	3,249	636.4	22.43	10.38
60%	8.59	95.39	3,800	892.8	31.46	9.36
70%	12.53	139.07	4,319	1161.5	40.93	8.35
80%	17.25	191.52	4,788	1442.8	50.85	7.53
90%	22.82	253.26	5,229	1733.6	61.10	6.85
100%	26.34	292.34	5,466	1873.4	66.02	6.41

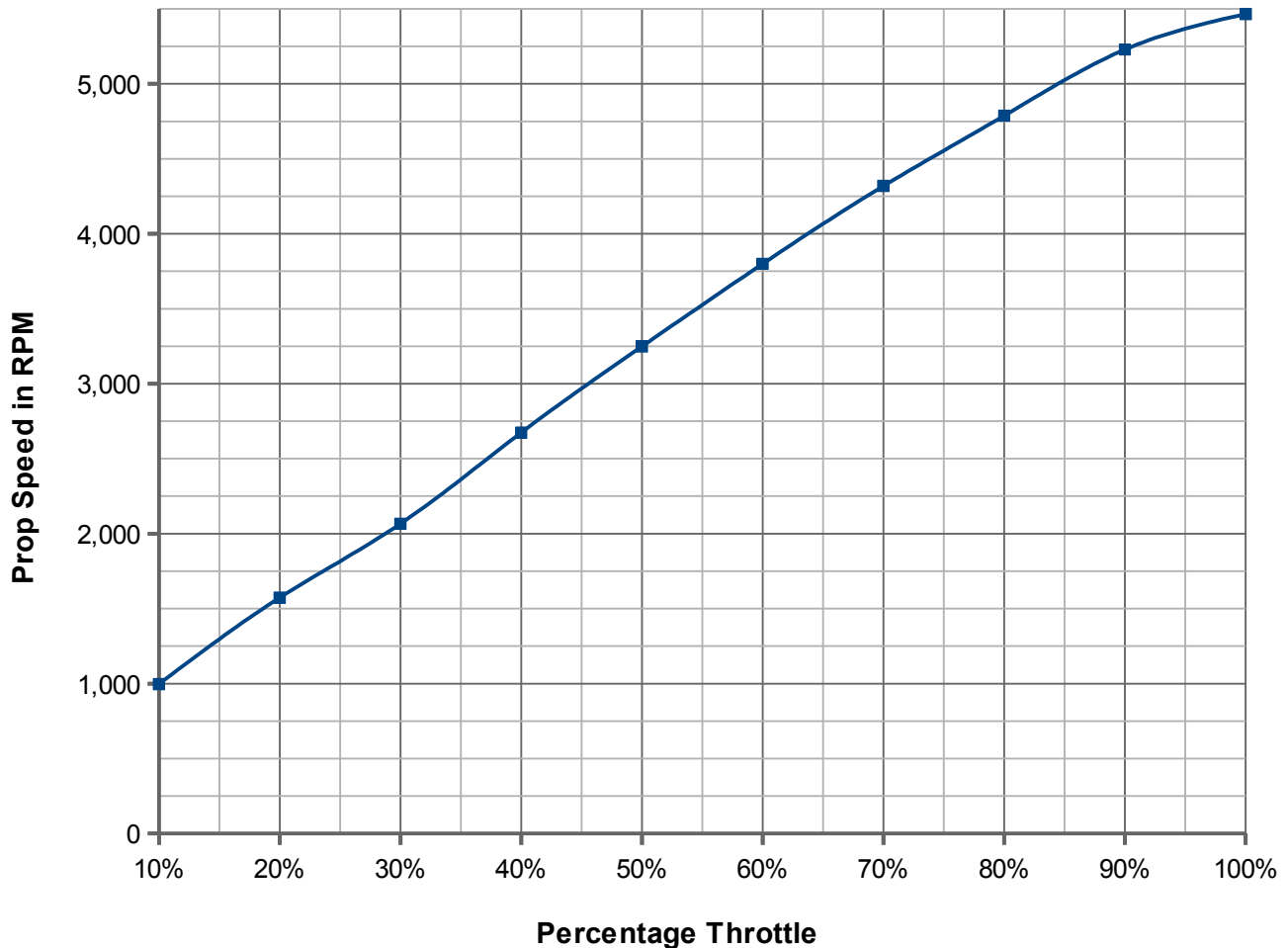
Motor Current vs Throttle Position



Cobra CM-2820/16 Motor Test Data, Kv=740

Data Collected at 11.1 volts with GemFan 16x4.5-MR Wood Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.32	3.50	997	50.3	1.77	14.39
20%	0.85	9.41	1,573	134.5	4.74	14.29
30%	1.65	18.30	2,066	242.4	8.54	13.24
40%	3.22	35.73	2,674	418.2	14.74	11.70
50%	5.53	61.33	3,249	636.4	22.43	10.38
60%	8.59	95.39	3,800	892.8	31.46	9.36
70%	12.53	139.07	4,319	1161.5	40.93	8.35
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90%	22.82	253.26	5,229	1733.6	61.10	6.85
100%	26.34	292.34	5,466	1873.4	66.02	6.41

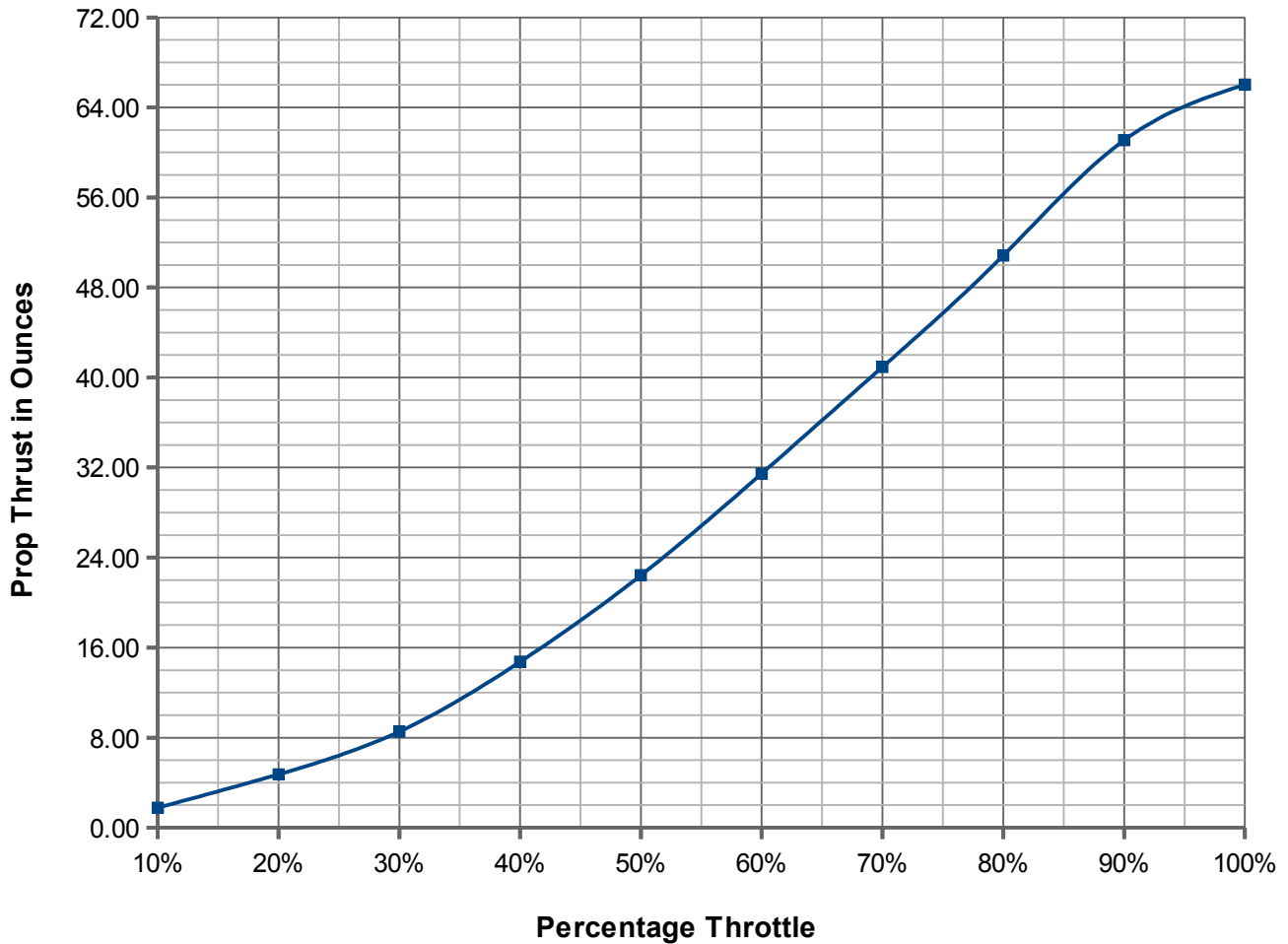
Propeller RPM vs Throttle Position



Cobra CM-2820/16 Motor Test Data, Kv=740

Data Collected at 11.1 volts with GemFan 16x4.5-MR Wood Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.32	3.50	997	50.3	1.77	14.39
20%	0.85	9.41	1,573	134.5	4.74	14.29
30%	1.65	18.30	2,066	242.4	8.54	13.24
40%	3.22	35.73	2,674	418.2	14.74	11.70
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60%	8.59	95.39	3,800	892.8	31.46	9.36
70%	12.53	139.07	4,319	1161.5	40.93	8.35
80%	17.25	191.52	4,788	1442.8	50.85	7.53
90%	22.82	253.26	5,229	1733.6	61.10	6.85
100%	26.34	292.34	5,466	1873.4	66.02	6.41

Propeller Thrust vs Throttle Position



Cobra CM-2820/16 Motor Test Data, Kv=740

Data Collected at 11.1 volts with GemFan 16x4.5-MR Wood Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.32	3.50	997	50.3	1.77	14.39
20%	0.85	9.41	1,573	134.5	4.74	14.29
30%	1.65	18.30	2,066	242.4	8.54	13.24
40%	3.22	35.73	2,674	418.2	14.74	11.70
50%	5.53	61.33	3,249	636.4	22.43	10.38
60%	8.59	95.39	3,800	892.8	31.46	9.36
70%	12.53	139.07	4,319	1161.5	40.93	8.35
80%	17.25	191.52	4,788	1442.8	50.85	7.53
90%	22.82	253.26	5,229	1733.6	61.10	6.85
100%	26.34	292.34	5,466	1873.4	66.02	6.41

Propeller Efficiency vs Throttle Position

