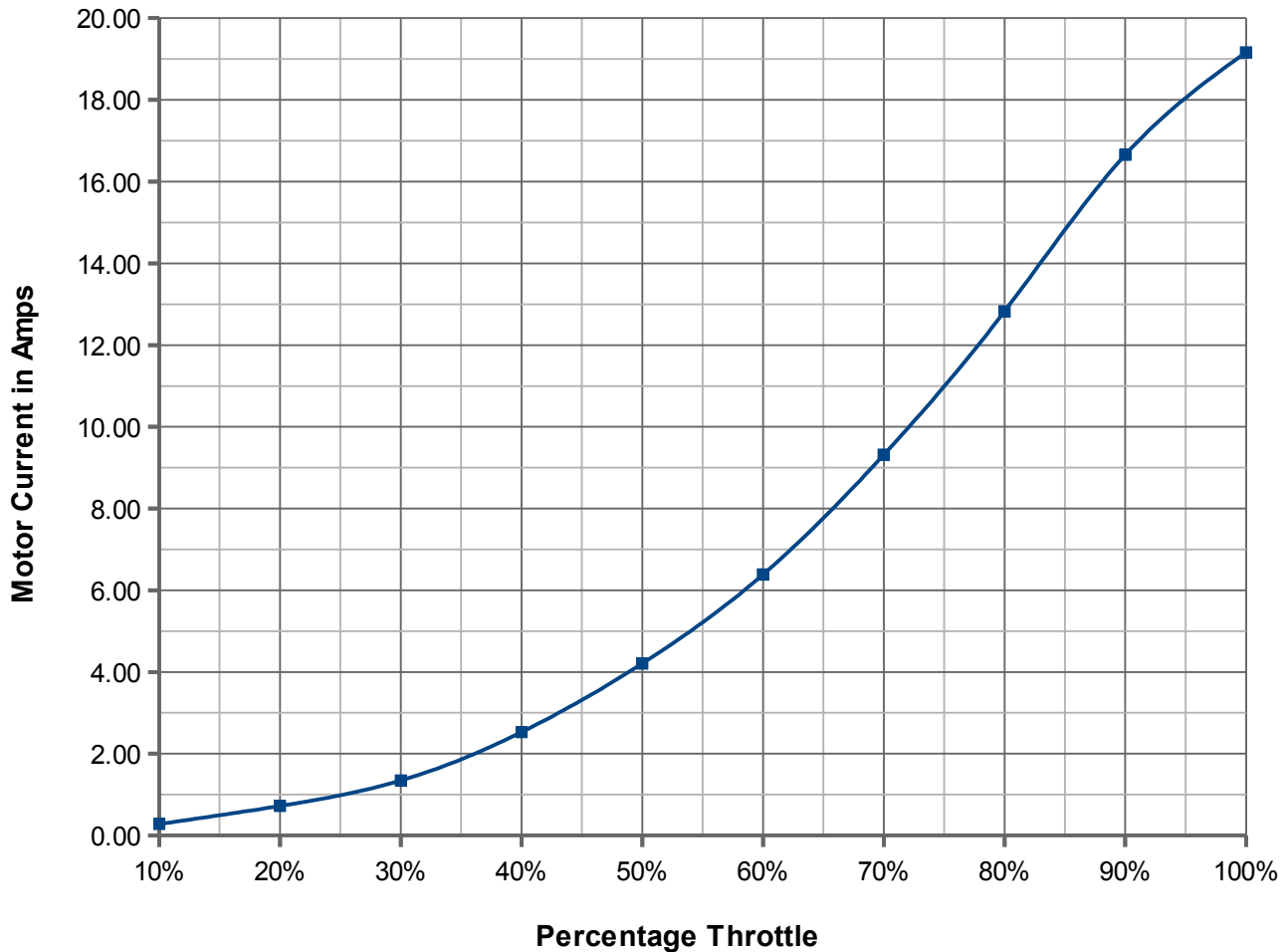


Cobra CM-2217-20 Motor Test Data, Kv=950

Data Collected at 14.8 volts with GemFan 11x4-MR Wood Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.28	4.13	1,839	50.6	1.78	12.25
20%	0.72	10.67	2,808	123.2	4.34	11.55
30%	1.34	19.88	3,586	208.3	7.34	10.48
40%	2.53	37.41	4,550	349.8	12.33	9.35
50%	4.21	62.28	5,441	517.1	18.22	8.30
60%	6.38	94.47	6,293	698.2	24.61	7.39
70%	9.32	137.86	7,133	907.5	31.98	6.58
80%	12.83	189.84	7,872	1112.1	39.19	5.86
90%	16.66	246.52	8,509	1311.5	46.22	5.32
100%	19.17	283.67	8,876	1425.5	50.24	5.03

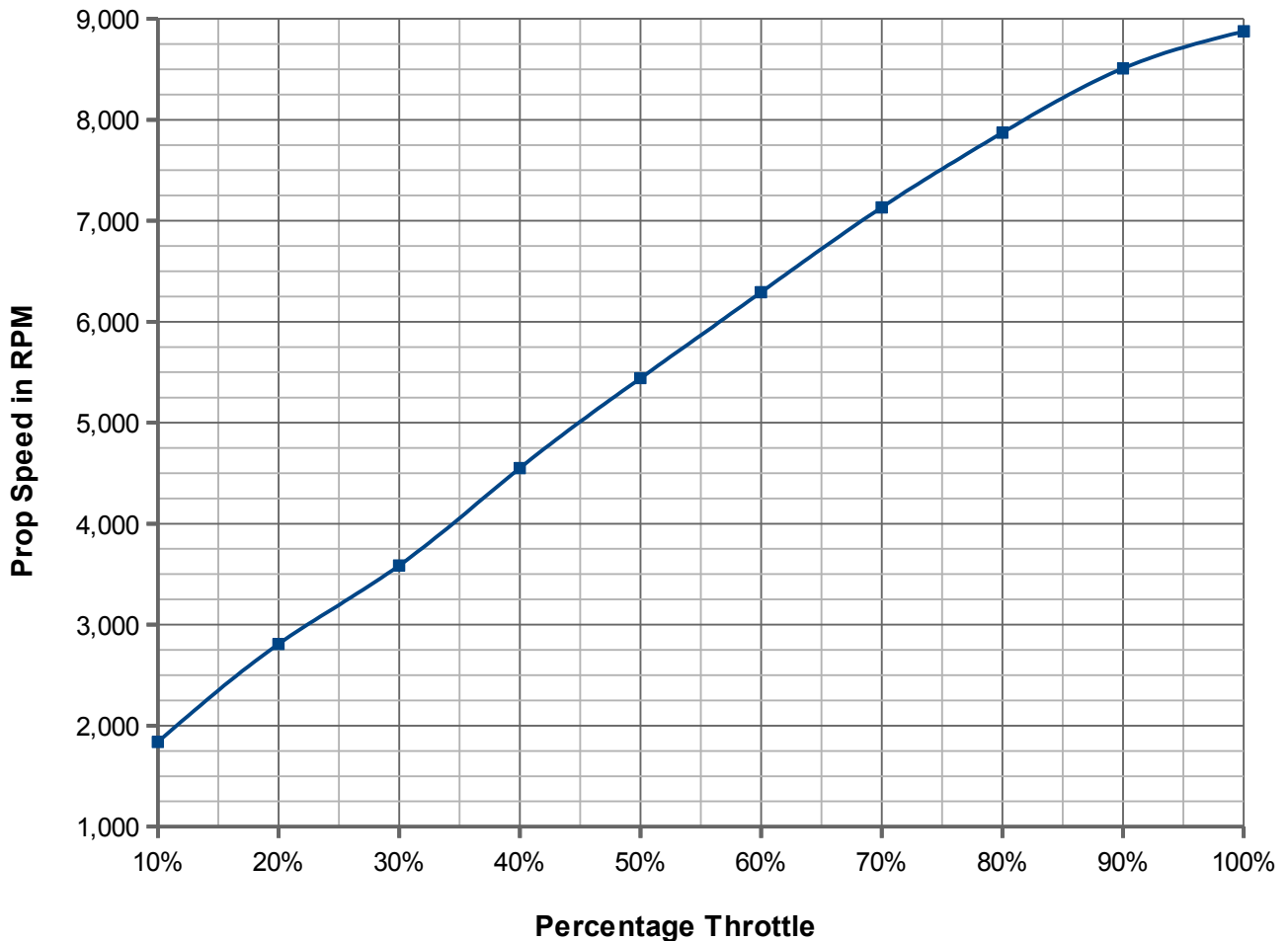
Motor Current vs Throttle Position



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

Data Collected at 14.8 volts with GemFan 11x4-MR Wood Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.28	4.13	1,839	50.6	1.78	12.25
20%	0.72	10.67	2,808	123.2	4.34	11.55
30%	1.34	19.88	3,586	208.3	7.34	10.48
40%	2.53	37.41	4,550	349.8	12.33	9.35
50%	4.21	62.28	5,441	517.1	18.22	8.30
60%	6.38	94.47	6,293	698.2	24.61	7.39
70%	9.32	137.86	7,133	907.5	31.98	6.58
80%	12.83	189.84	7,872	1112.1	39.19	5.86
90%	16.66	246.52	8,509	1311.5	46.22	5.32
100%	19.17	283.67	8,876	1425.5	50.24	5.03

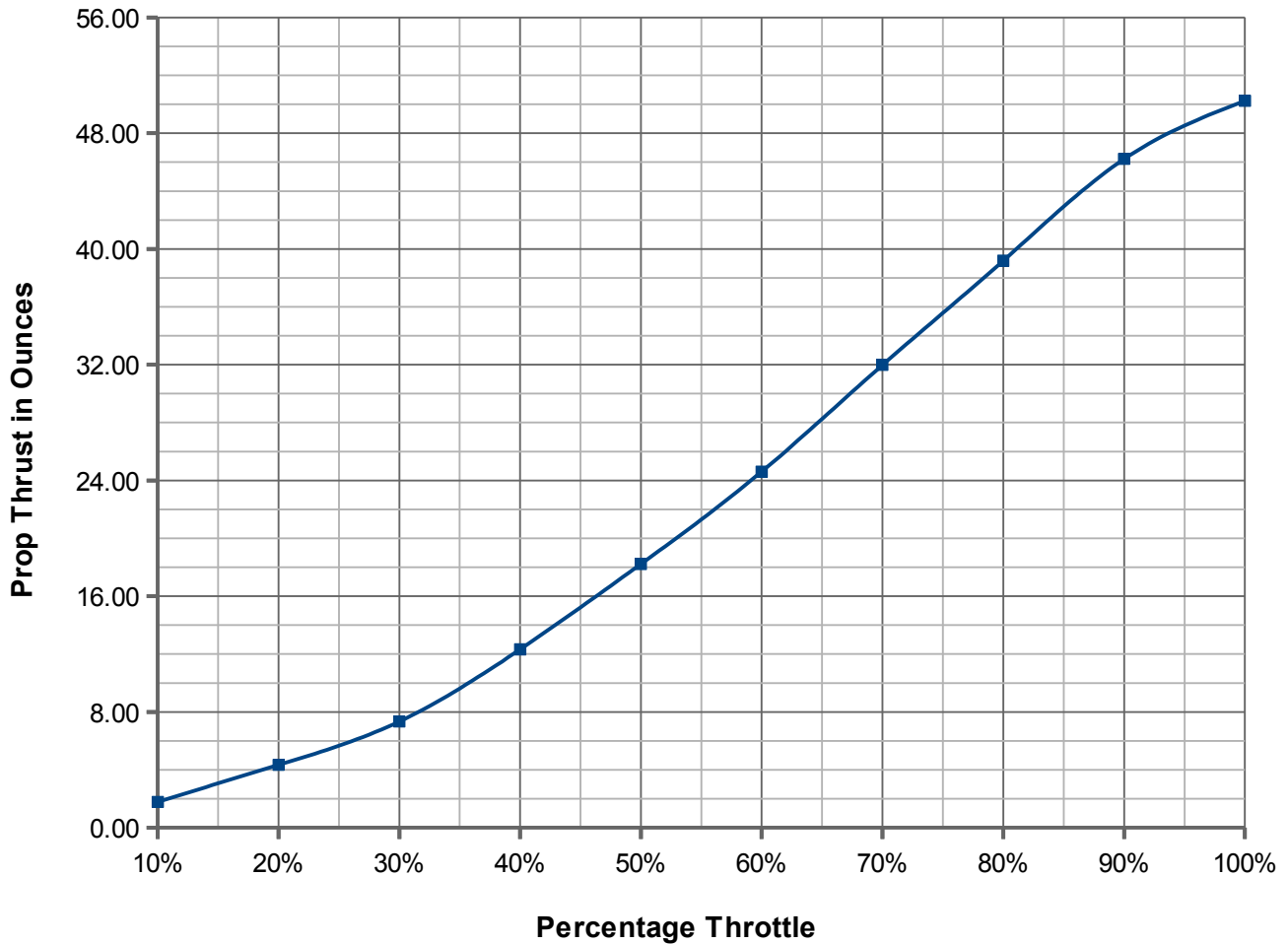
Propeller RPM vs Throttle Position



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

Data Collected at 14.8 volts with GemFan 11x4-MR Wood Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.28	4.13	1,839	50.6	1.78	12.25
20%	0.72	10.67	2,808	123.2	4.34	11.55
30%	1.34	19.88	3,586	208.3	7.34	10.48
40%	2.53	37.41	4,550	349.8	12.33	9.35
50%	4.21	62.28	5,441	517.1	18.22	8.30
60%	6.38	94.47	6,293	698.2	24.61	7.39
70%	9.32	137.86	7,133	907.5	31.98	6.58
80%	12.83	189.84	7,872	1112.1	39.19	5.86
90%	16.66	246.52	8,509	1311.5	46.22	5.32
100%	19.17	283.67	8,876	1425.5	50.24	5.03

Propeller Thrust vs Throttle Position



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

Data Collected at 14.8 volts with GemFan 11x4-MR Wood Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.28	4.13	1,839	50.6	1.78	12.25
20%	0.72	10.67	2,808	123.2	4.34	11.55
30%	1.34	19.88	3,586	208.3	7.34	10.48
40%	2.53	37.41	4,550	349.8	12.33	9.35
50%	4.21	62.28	5,441	517.1	18.22	8.30
60%	6.38	94.47	6,293	698.2	24.61	7.39
70%	9.32	137.86	7,133	907.5	31.98	6.58
80%	12.83	189.84	7,872	1112.1	39.19	5.86
90%	16.66	246.52	8,509	1311.5	46.22	5.32
100%	19.17	283.67	8,876	1425.5	50.24	5.03

Propeller Efficiency vs Throttle Position

