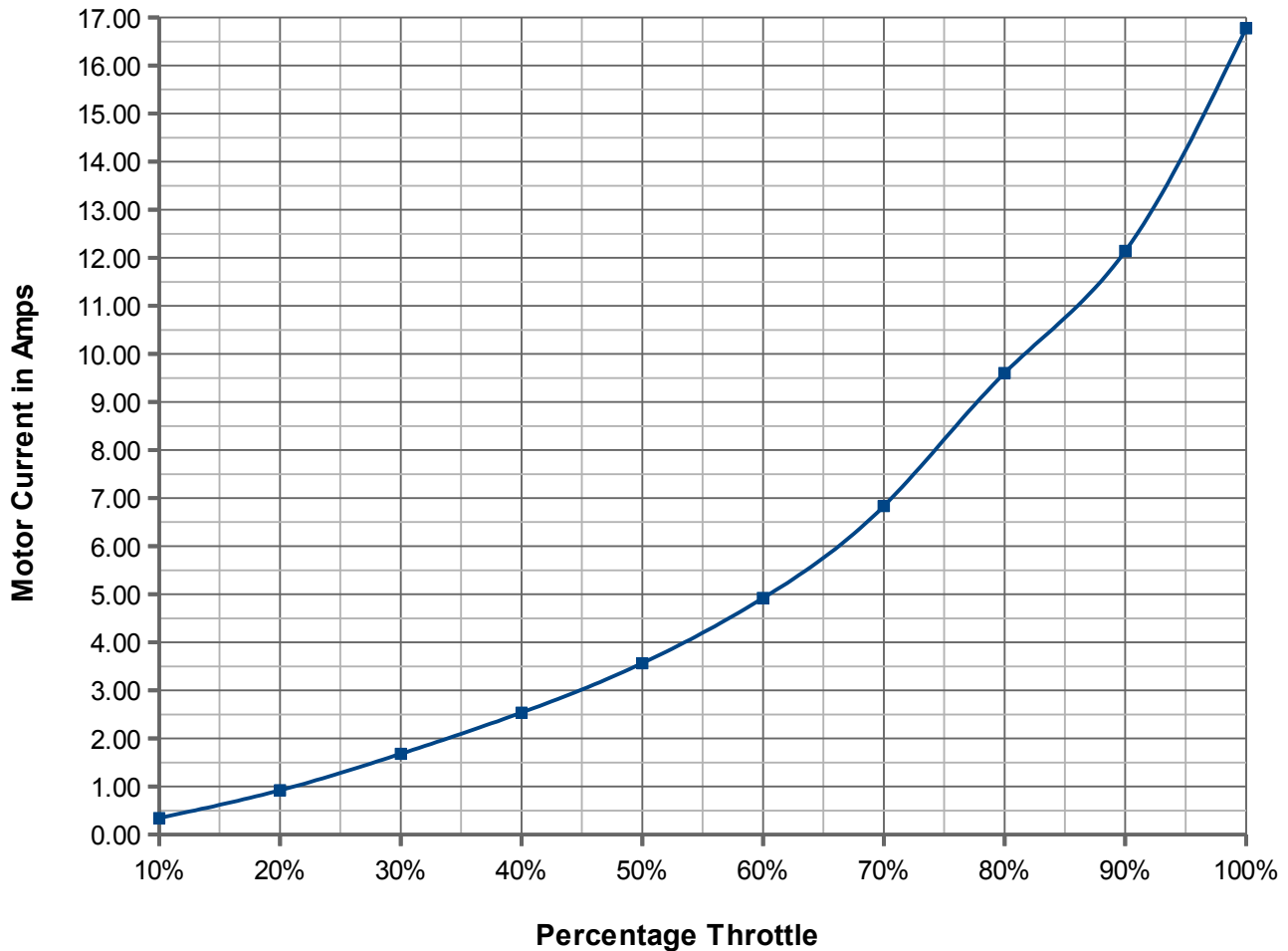


Cobra 2204/28 Motor Test Data, Kv=2300

Data Collected at 11.1 volts with APC 5.5x4.5 Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.35	3.84	4,179	27.5	0.97	7.16
20%	0.92	10.23	6,464	59.7	2.10	5.83
30%	1.68	18.66	8,198	99.8	3.52	5.35
40%	2.54	28.17	9,610	138.8	4.89	4.93
50%	3.57	39.57	10,849	171.8	6.05	4.34
60%	4.92	54.61	12,182	224.2	7.90	4.11
70%	6.83	75.86	13,594	278.1	9.80	3.67
80%	9.60	106.58	15,231	352.8	12.43	3.31
90%	12.14	134.77	16,328	407.1	14.35	3.02
100%	16.78	186.22	18,069	499.8	17.61	2.68

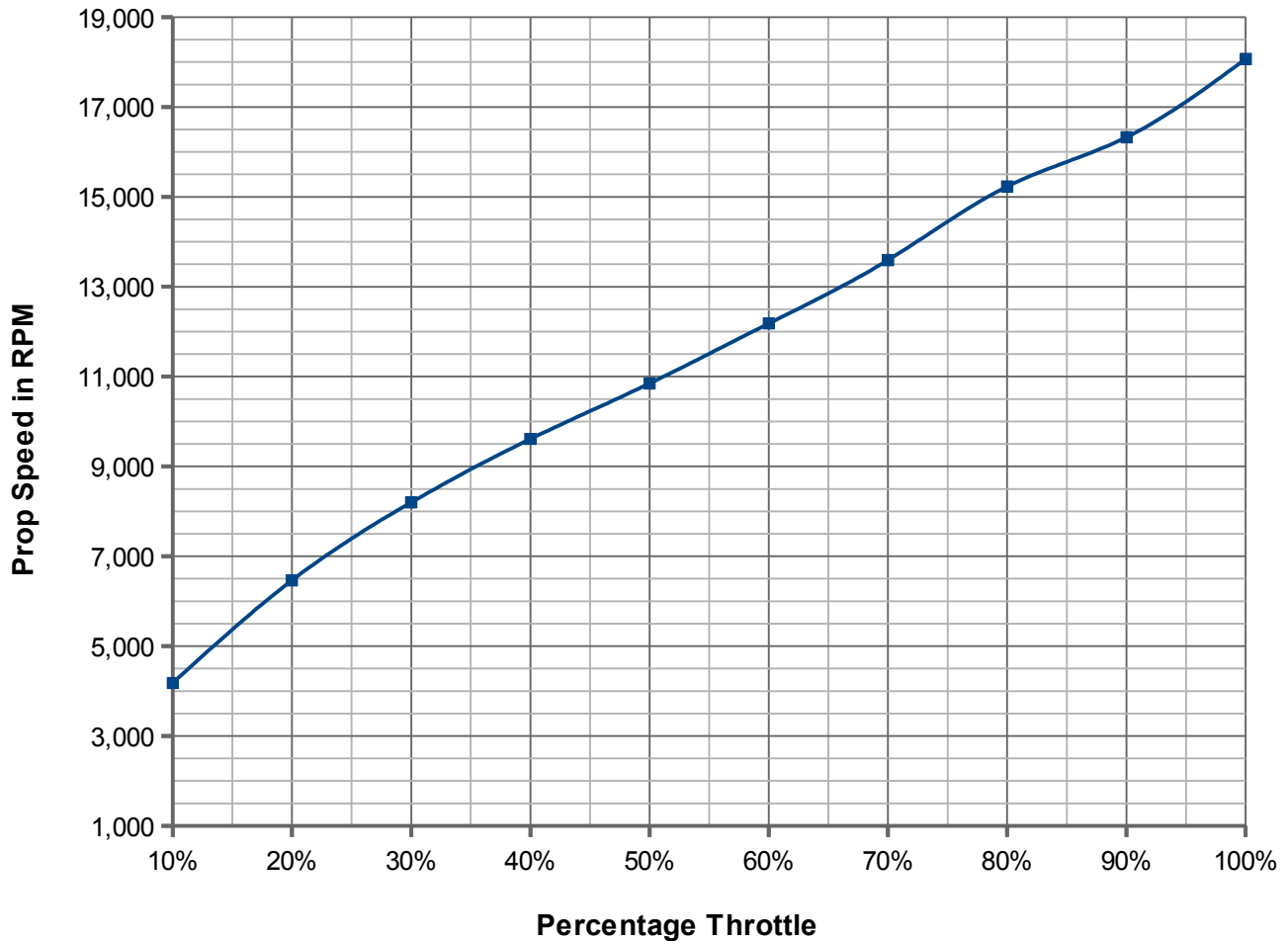
Motor Current vs Throttle Position



Cobra 2204/28 Motor Test Data, Kv=2300

Data Collected at 11.1 volts with APC 5.5x4.5 Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.35	3.84	4,179	27.5	0.97	7.16
20%	0.92	10.23	6,464	59.7	2.10	5.83
30%	1.68	18.66	8,198	99.8	3.52	5.35
40%	2.54	28.17	9,610	138.8	4.89	4.93
50%	3.57	39.57	10,849	171.8	6.05	4.34
60%	4.92	54.61	12,182	224.2	7.90	4.11
70%	6.83	75.86	13,594	278.1	9.80	3.67
80%	9.60	106.58	15,231	352.8	12.43	3.31
90%	12.14	134.77	16,328	407.1	14.35	3.02
100%	16.78	186.22	18,069	499.8	17.61	2.68

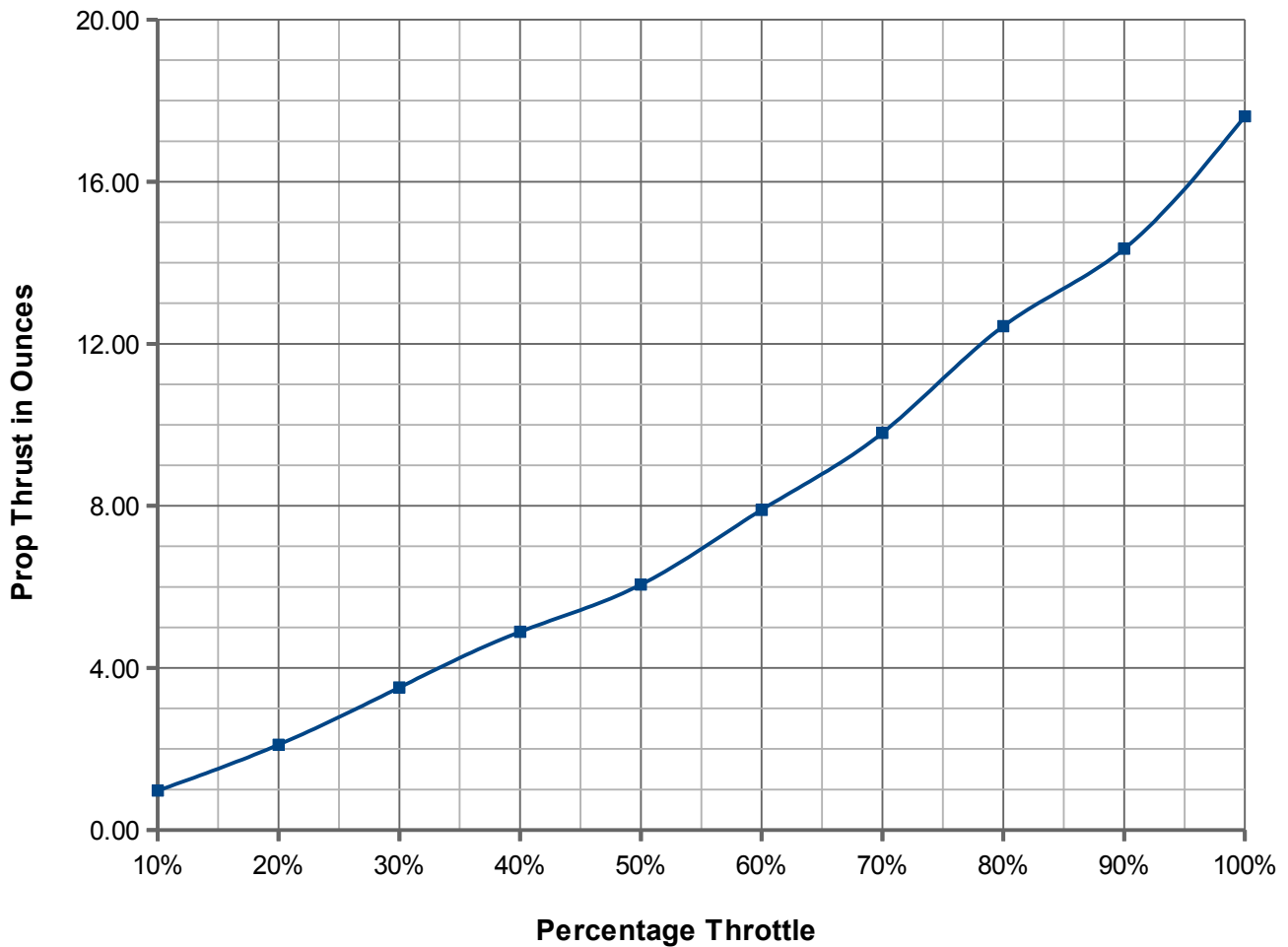
Propeller RPM vs Throttle Position



Cobra 2204/28 Motor Test Data, Kv=2300

Data Collected at 11.1 volts with APC 5.5x4.5 Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.35	3.84	4,179	27.5	0.97	7.16
20%	0.92	10.23	6,464	59.7	2.10	5.83
30%	1.68	18.66	8,198	99.8	3.52	5.35
40%	2.54	28.17	9,610	138.8	4.89	4.93
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60%	4.92	54.61	12,182	224.2	7.90	4.11
70%	6.83	75.86	13,594	278.1	9.80	3.67
80%	9.60	106.58	15,231	352.8	12.43	3.31
90%	12.14	134.77	16,328	407.1	14.35	3.02
100%	16.78	186.22	18,069	499.8	17.61	2.68

Propeller Thrust vs Throttle Position



Cobra 2204/28 Motor Test Data, Kv=2300

Data Collected at 11.1 volts with APC 5.5x4.5 Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.35	3.84	4,179	27.5	0.97	7.16
20%	0.92	10.23	6,464	59.7	2.10	5.83
30%	1.68	18.66	8,198	99.8	3.52	5.35
40%	2.54	28.17	9,610	138.8	4.89	4.93
50%	3.57	39.57	10,849	171.8	6.05	4.34
60%	4.92	54.61	12,182	224.2	7.90	4.11
70%	6.83	75.86	13,594	278.1	9.80	3.67
80%	9.60	106.58	15,231	352.8	12.43	3.31
90%	12.14	134.77	16,328	407.1	14.35	3.02
100%	16.78	186.22	18,069	499.8	17.61	2.68

Propeller Efficiency vs Throttle Position

