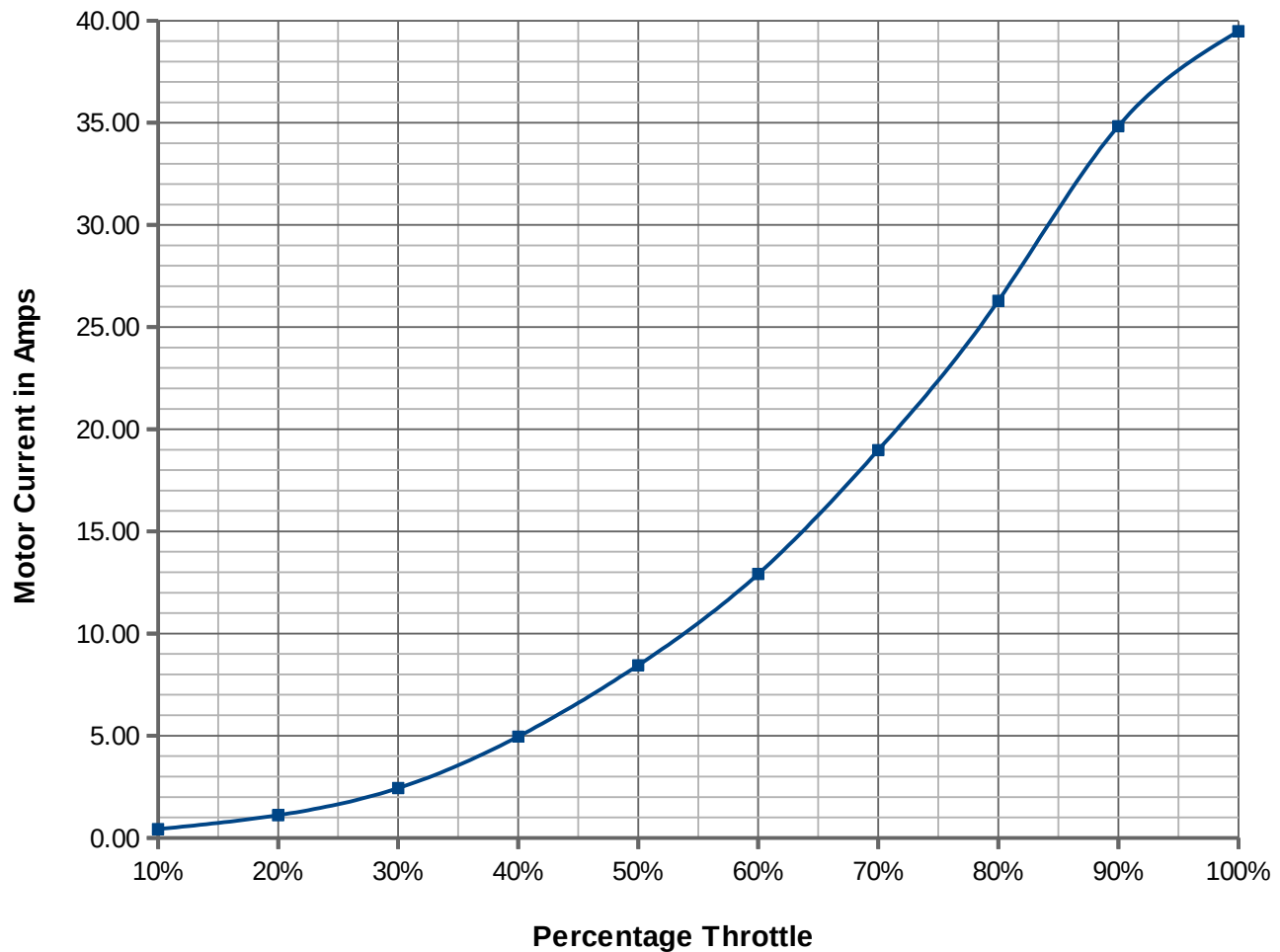


Cobra CM-4515-18 Motor Test Data, Kv=435

Data Collected at 18.5 volts with APC 18x5.5-MR Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.43	7.97	1,084	115.6	4.07	14.50
20%	1.11	20.55	1,746	300.5	10.59	14.62
30%	2.44	45.10	2,400	588.6	20.74	13.05
40%	4.96	91.76	3,111	1023.0	36.05	11.15
50%	8.45	156.36	3,739	1524.2	53.72	9.75
60%	12.92	238.96	4,312	2072.8	73.05	8.67
70%	18.98	351.17	4,884	2675.1	94.28	7.62
80%	26.29	486.33	5,410	3377.5	119.03	6.94
90%	34.84	644.52	5,891	4068.7	143.39	6.31
100%	39.48	730.42	6,154	4382.3	154.44	6.00

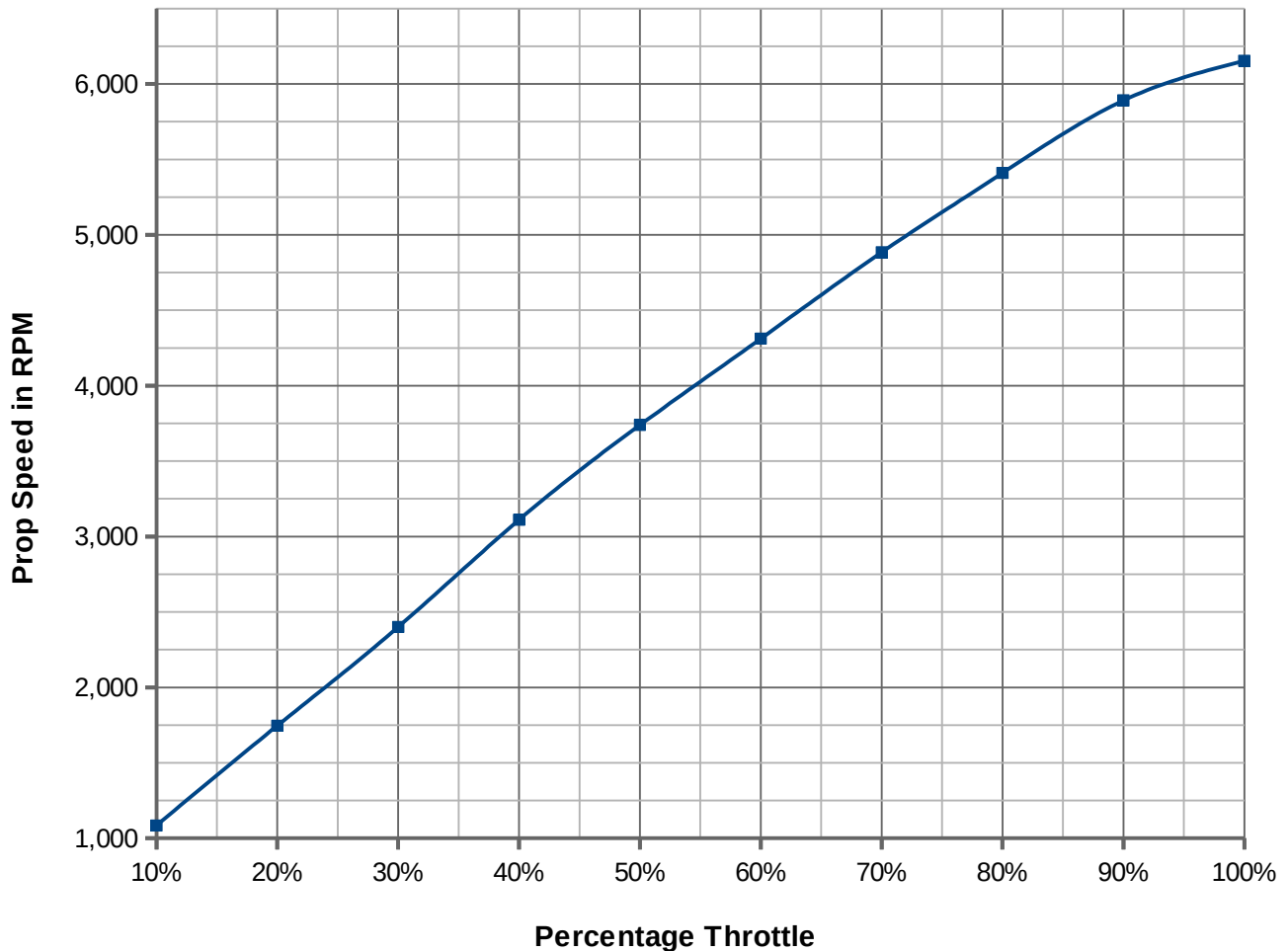
Motor Current vs Throttle Position



Cobra CM-4515-18 Motor Test Data, Kv=435

Data Collected at 18.5 volts with APC 18x5.5-MR Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.43	7.97	1,084	115.6	4.07	14.50
20%	1.11	20.55	1,746	300.5	10.59	14.62
30%	2.44	45.10	2,400	588.6	20.74	13.05
40%	4.96	91.76	3,111	1023.0	36.05	11.15
50%	8.45	156.36	3,739	1524.2	53.72	9.75
60%	12.92	238.96	4,312	2072.8	73.05	8.67
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80%	26.29	486.33	5,410	3377.5	119.03	6.94
90%	34.84	644.52	5,891	4068.7	143.39	6.31
100%	39.48	730.42	6,154	4382.3	154.44	6.00

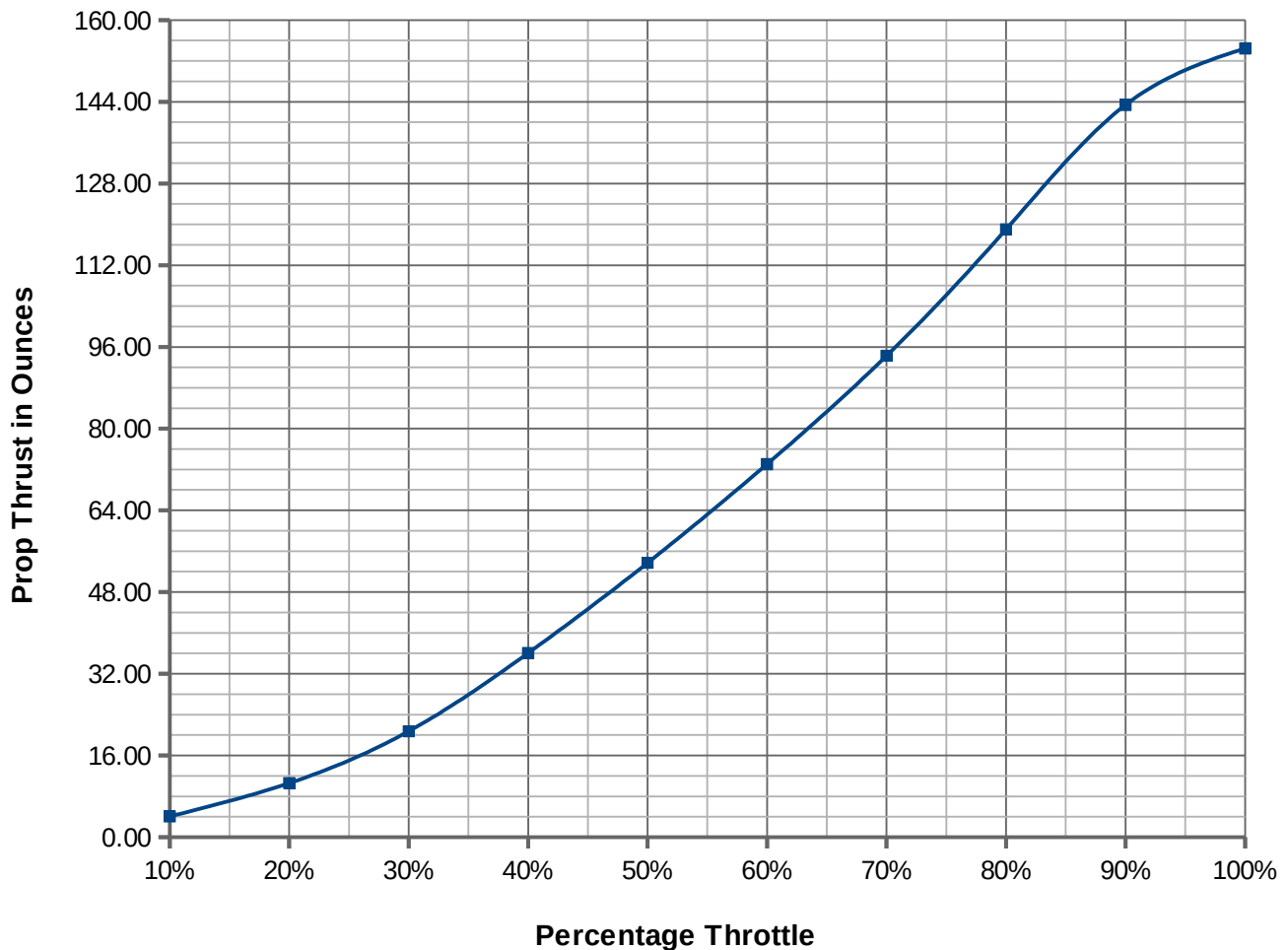
Propeller RPM vs Throttle Position



Cobra CM-4515-18 Motor Test Data, Kv=435

Data Collected at 18.5 volts with APC 18x5.5-MR Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.43	7.97	1,084	115.6	4.07	14.50
20%	1.11	20.55	1,746	300.5	10.59	14.62
30%	2.44	45.10	2,400	588.6	20.74	13.05
40%	4.96	91.76	3,111	1023.0	36.05	11.15
50%	8.45	156.36	3,739	1524.2	53.72	9.75
60%	12.92	238.96	4,312	2072.8	73.05	8.67
70%	18.98	351.17	4,884	2675.1	94.28	7.62
80%	26.29	486.33	5,410	3377.5	119.03	6.94
90%	34.84	644.52	5,891	4068.7	143.39	6.31
100%	39.48	730.42	6,154	4382.3	154.44	6.00

Propeller Thrust vs Throttle Position



Cobra CM-4515-18 Motor Test Data, Kv=435

Data Collected at 18.5 volts with APC 18x5.5-MR Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.43	7.97	1,084	115.6	4.07	14.50
20%	1.11	20.55	1,746	300.5	10.59	14.62
30%	2.44	45.10	2,400	588.6	20.74	13.05
40%	4.96	91.76	3,111	1023.0	36.05	11.15
50%	8.45	156.36	3,739	1524.2	53.72	9.75
60%	12.92	238.96	4,312	2072.8	73.05	8.67
70%	18.98	351.17	4,884	2675.1	94.28	7.62
80%	26.29	486.33	5,410	3377.5	119.03	6.94
90%	34.84	644.52	5,891	4068.7	143.39	6.31
100%	39.48	730.42	6,154	4382.3	154.44	6.00

Propeller Efficiency vs Throttle Position

