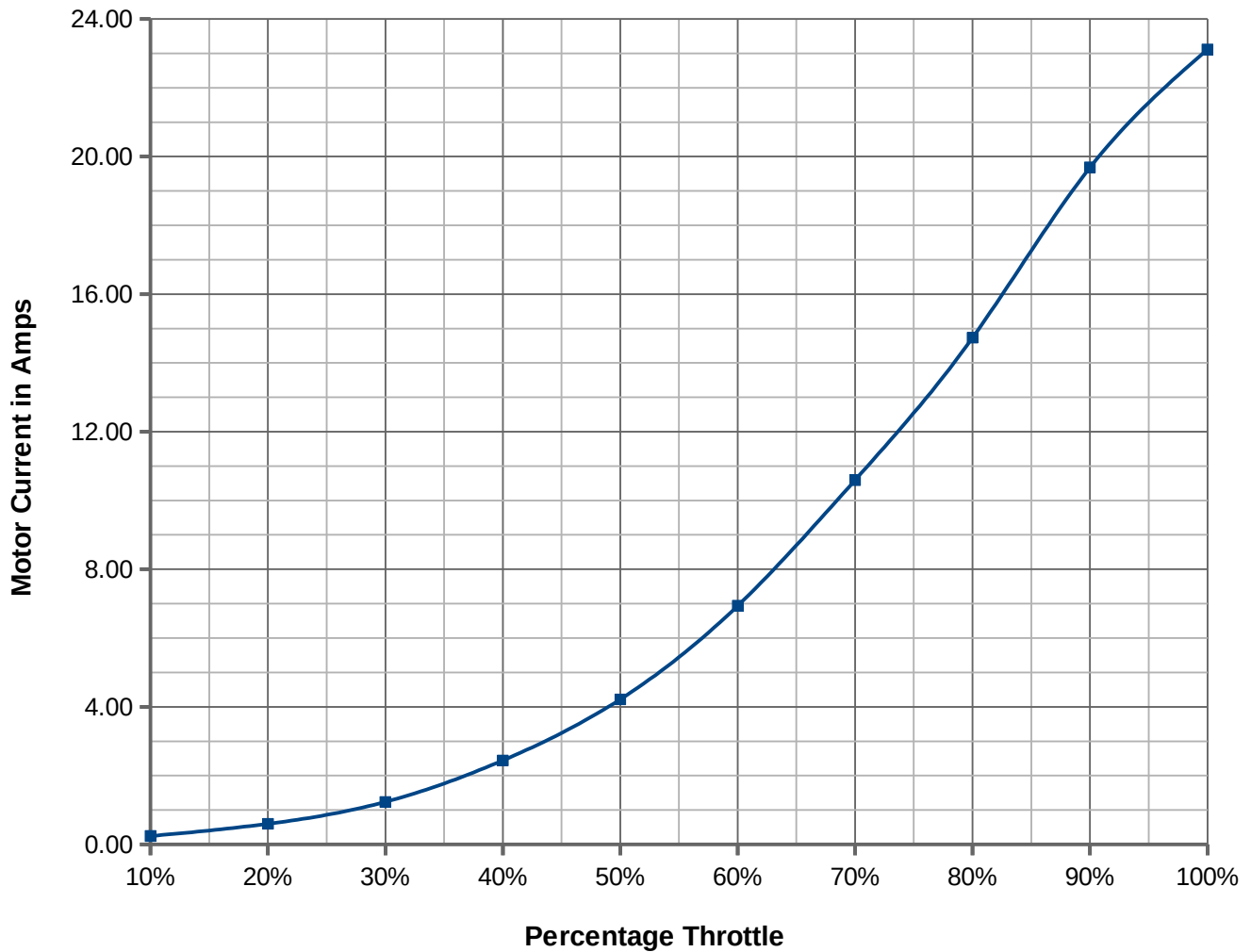


Cobra CM-4010/20 Motor Test Data, Kv=550

Data Collected at 14.8 volts with APC 14x5.5-MR Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.25	3.63	1,066	43.5	1.53	12.00
20%	0.60	8.87	1,750	123.3	4.35	13.91
30%	1.24	18.32	2,386	246.8	8.70	13.47
40%	2.44	36.17	3,107	430.3	15.16	11.90
50%	4.22	62.44	3,783	660.9	23.29	10.58
60%	6.94	102.68	4,510	943.4	33.25	9.19
70%	10.59	156.78	5,165	1276.3	44.98	8.14
80%	14.73	218.06	5,740	1594.8	56.20	7.31
90%	19.68	291.32	6,292	1931.9	68.08	6.63
100%	23.11	342.04	6,586	2138.4	75.36	6.25

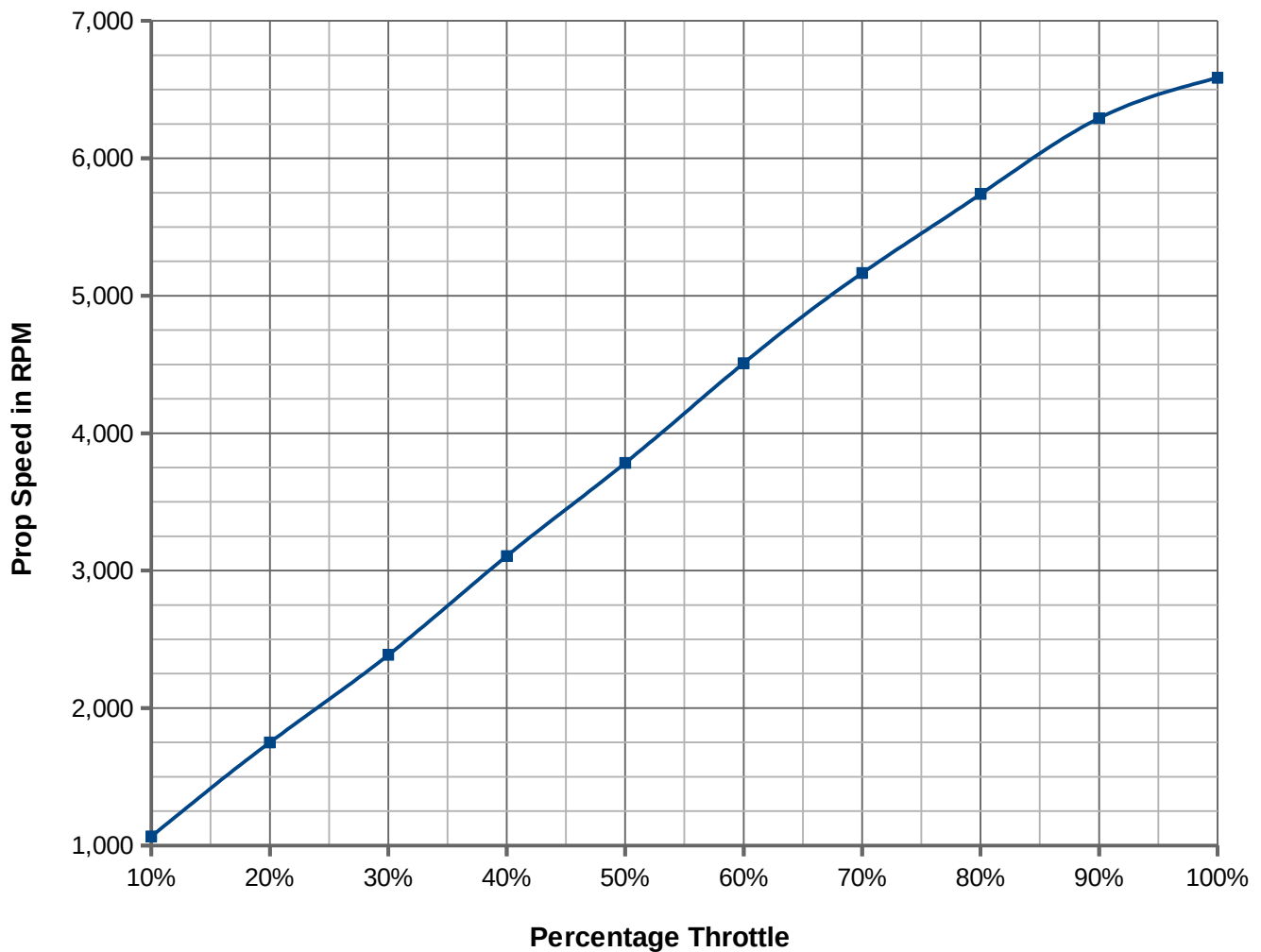
Motor Current vs Throttle Position



Cobra CM-4010/20 Motor Test Data, Kv=550

Data Collected at 14.8 volts with APC 14x5.5-MR Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.25	3.63	1,066	43.5	1.53	12.00
20%	0.60	8.87	1,750	123.3	4.35	13.91
30%	1.24	18.32	2,386	246.8	8.70	13.47
40%	2.44	36.17	3,107	430.3	15.16	11.90
50%	4.22	62.44	3,783	660.9	23.29	10.58
60%	6.94	102.68	4,510	943.4	33.25	9.19
70%	10.59	156.78	5,165	1276.3	44.98	8.14
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90%	19.68	291.32	6,292	1931.9	68.08	6.63
100%	23.11	342.04	6,586	2138.4	75.36	6.25

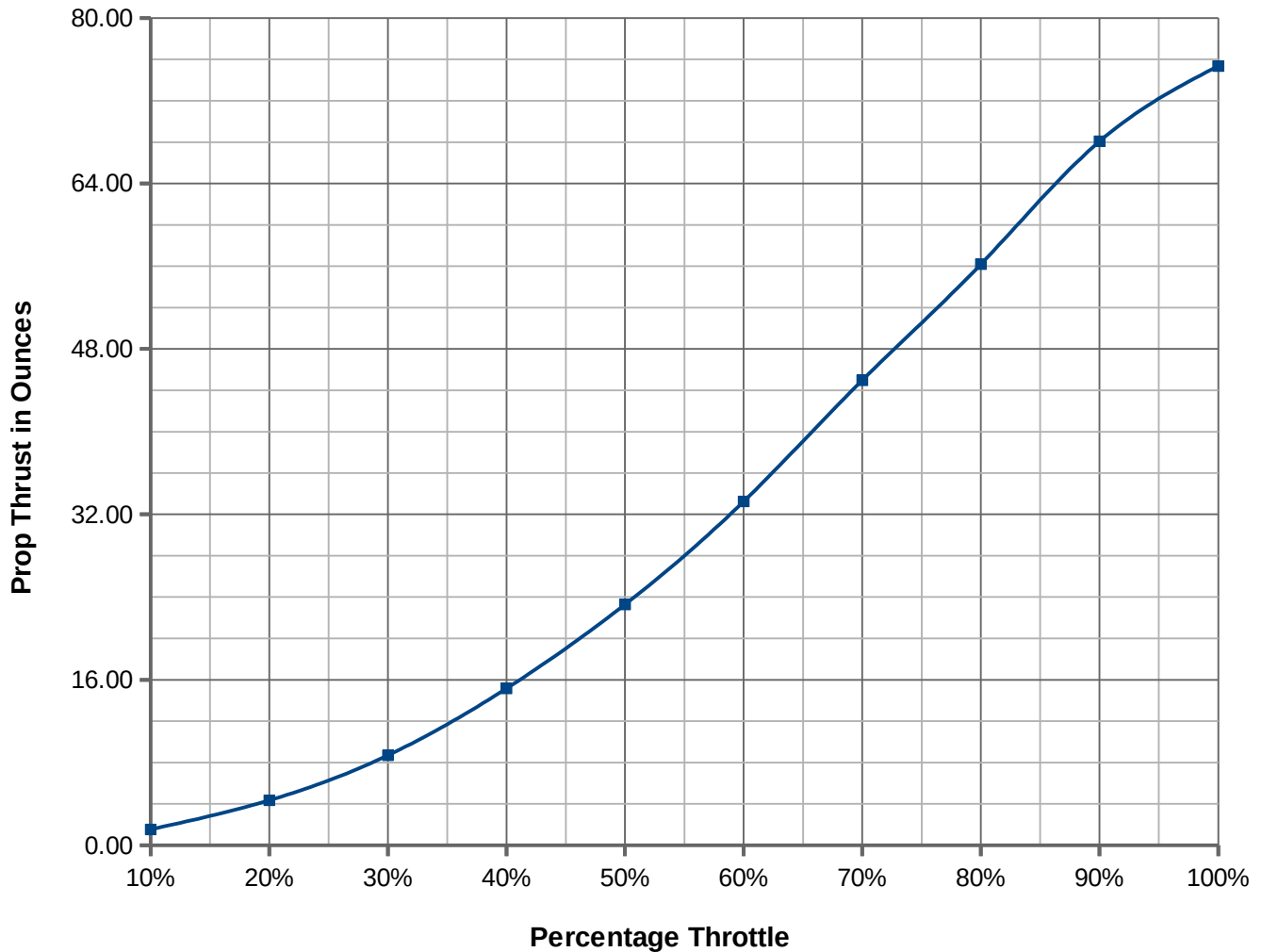
Propeller RPM vs Throttle Position



Cobra CM-4010/20 Motor Test Data, Kv=550

Data Collected at 14.8 volts with APC 14x5.5-MR Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.25	3.63	1,066	43.5	1.53	12.00
20%	0.60	8.87	1,750	123.3	4.35	13.91
30%	1.24	18.32	2,386	246.8	8.70	13.47
40%	2.44	36.17	3,107	430.3	15.16	11.90
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70%	10.59	156.78	5,165	1276.3	44.98	8.14
80%	14.73	218.06	5,740	1594.8	56.20	7.31
90%	19.68	291.32	6,292	1931.9	68.08	6.63
100%	23.11	342.04	6,586	2138.4	75.36	6.25

Propeller Thrust vs Throttle Position



Cobra CM-4010/20 Motor Test Data, Kv=550

Data Collected at 14.8 volts with APC 14x5.5-MR Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.25	3.63	1,066	43.5	1.53	12.00
20%	0.60	8.87	1,750	123.3	4.35	13.91
30%	1.24	18.32	2,386	246.8	8.70	13.47
40%	2.44	36.17	3,107	430.3	15.16	11.90
50%	4.22	62.44	3,783	660.9	23.29	10.58
60%	6.94	102.68	4,510	943.4	33.25	9.19
70%	10.59	156.78	5,165	1276.3	44.98	8.14
80%	14.73	218.06	5,740	1594.8	56.20	7.31
90%	19.68	291.32	6,292	1931.9	68.08	6.63
100%	23.11	342.04	6,586	2138.4	75.36	6.25

Propeller Efficiency vs Throttle Position

