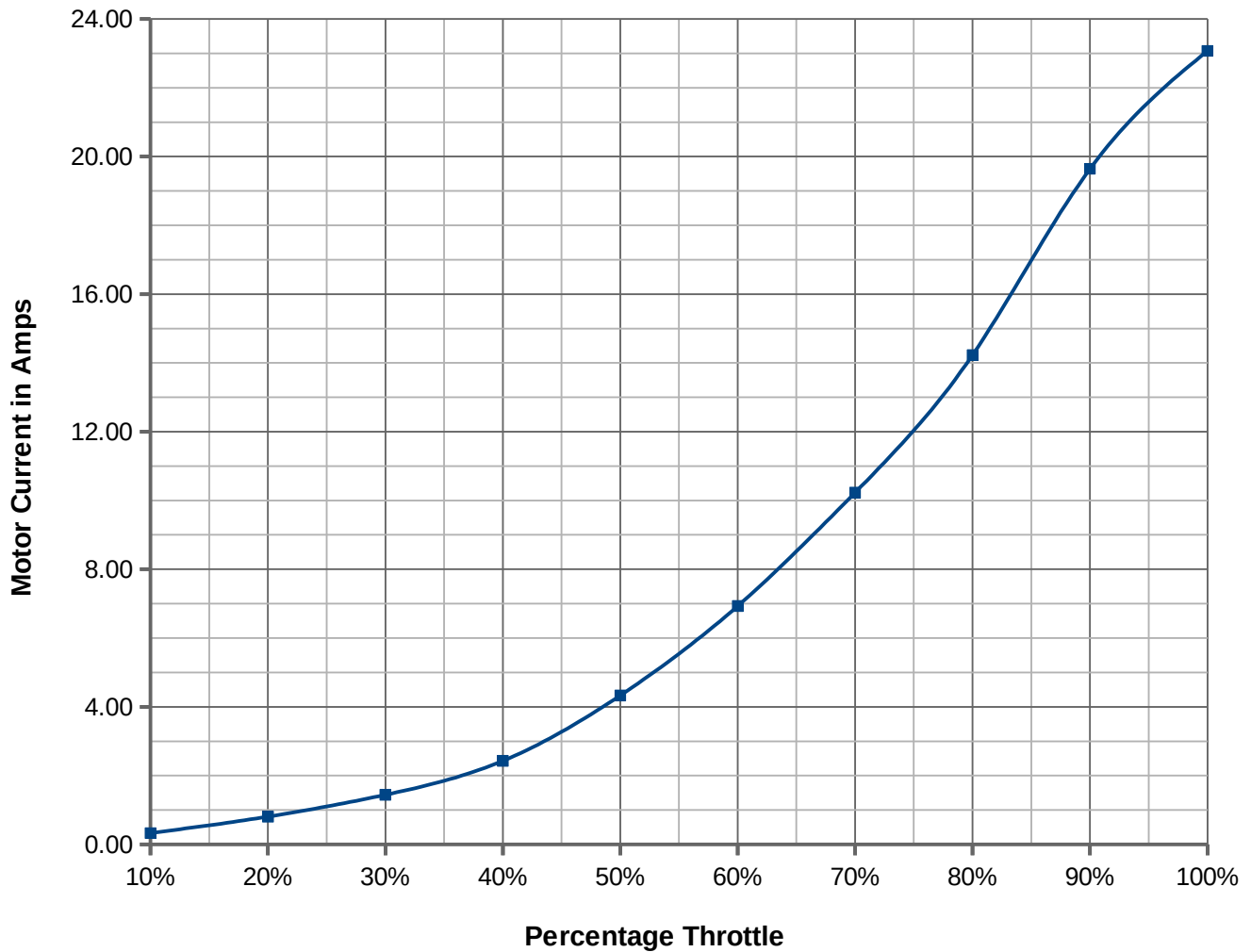


Cobra CM-4010/20 Motor Test Data, Kv=550

Data Collected at 22.2 volts with RC-Timer 11x5.5 CF Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.33	7.33	1,986	68.7	2.42	9.38
20%	0.81	17.94	3,121	172.4	6.08	9.61
30%	1.44	32.06	4,004	280.3	9.89	8.74
40%	2.43	53.95	4,898	436.8	15.41	8.10
50%	4.33	96.17	6,059	684.4	24.14	7.12
60%	6.93	153.87	7,115	972.4	34.30	6.32
70%	10.23	227.08	8,064	1285.1	45.33	5.66
80%	14.23	315.93	8,961	1618.3	57.08	5.12
90%	19.64	436.10	9,832	1998.3	70.49	4.58
100%	23.07	512.18	10,339	2206.6	77.83	4.31

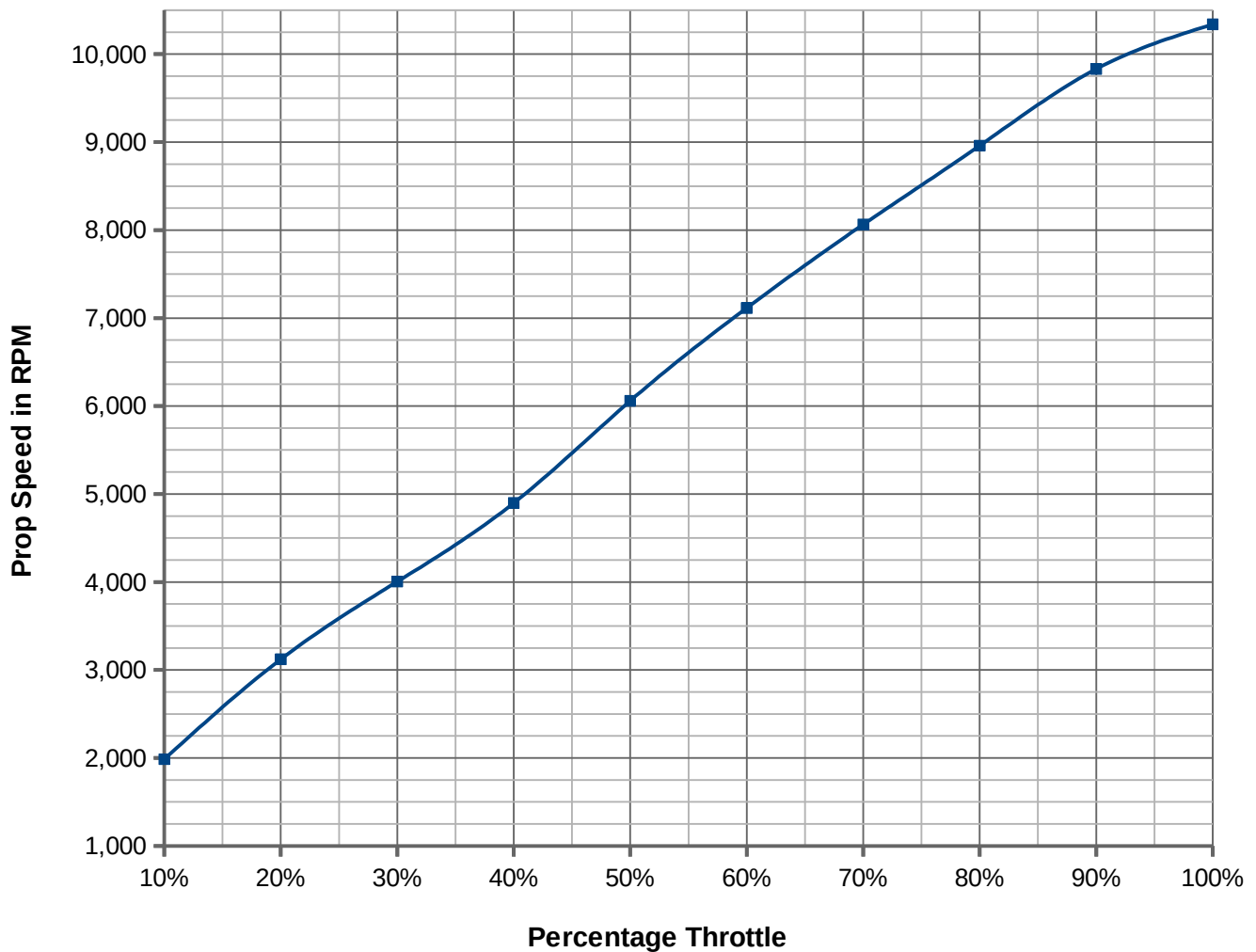
Motor Current vs Throttle Position



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

Data Collected at 22.2 volts with RC-Timer 11x5.5 CF Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.33	7.33	1,986	68.7	2.42	9.38
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90%	19.64	436.10	9,832	1998.3	70.49	4.58
100%	23.07	512.18	10,339	2206.6	77.83	4.31

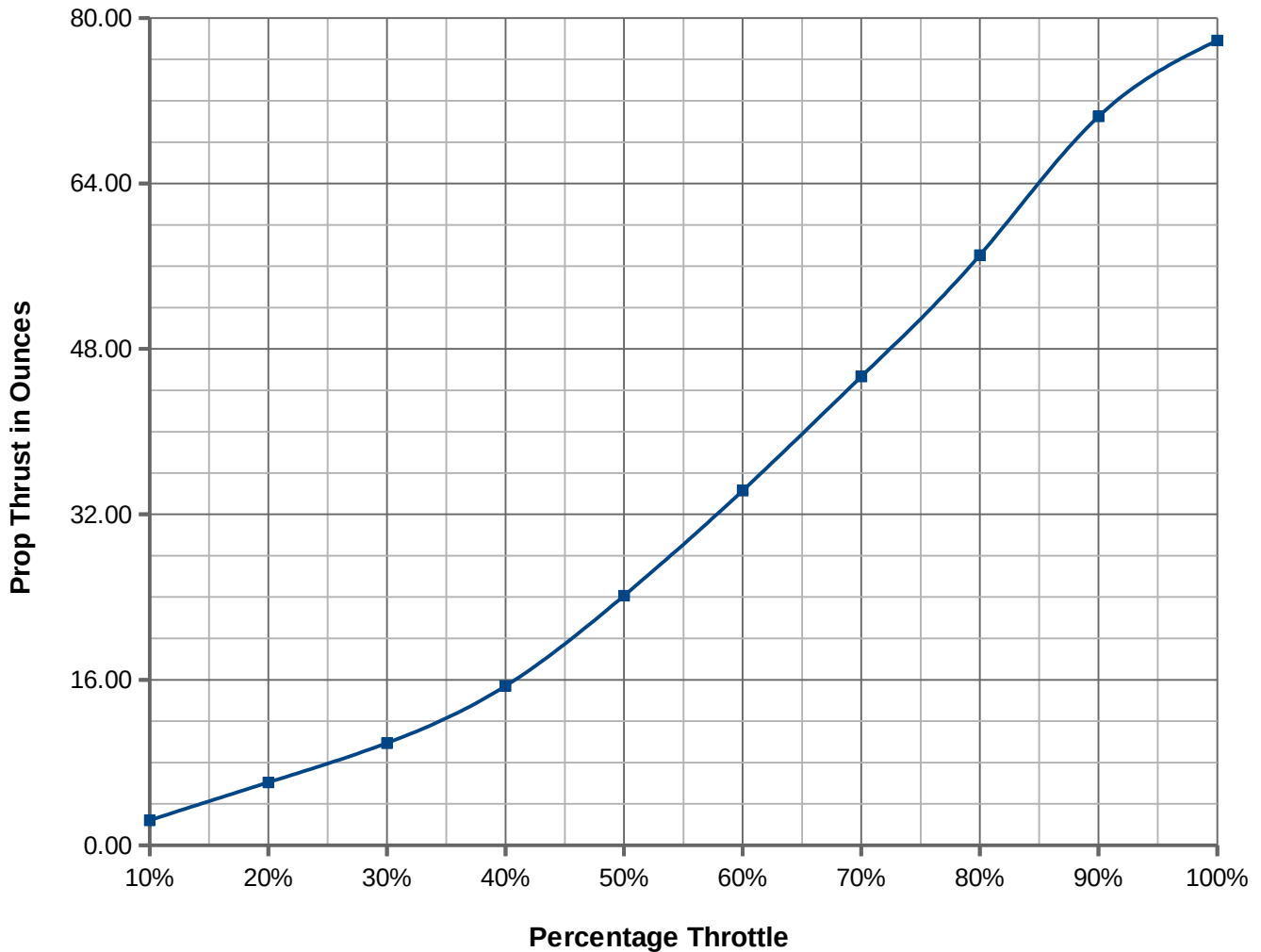
Propeller RPM vs Throttle Position



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

Data Collected at 22.2 volts with RC-Timer 11x5.5 CF Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.33	7.33	1,986	68.7	2.42	9.38
20%	0.81	17.94	3,121	172.4	6.08	9.61
30%	1.44	32.06	4,004	280.3	9.89	8.74
40%	2.43	53.95	4,898	436.8	15.41	8.10
50%	4.33	96.17	6,059	684.4	24.14	7.12
60%	6.93	153.87	7,115	972.4	34.30	6.32
70%	10.23	227.08	8,064	1285.1	45.33	5.66
80%	14.23	315.93	8,961	1618.3	57.08	5.12
90%	19.64	436.10	9,832	1998.3	70.49	4.58
100%	23.07	512.18	10,339	2206.6	77.83	4.31

Propeller Thrust vs Throttle Position



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

Data Collected at 22.2 volts with RC-Timer 11x5.5 CF Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.33	7.33	1,986	68.7	2.42	9.38
20%	0.81	17.94	3,121	172.4	6.08	9.61
30%	1.44	32.06	4,004	280.3	9.89	8.74
40%	2.43	53.95	4,898	436.8	15.41	8.10
50%	4.33	96.17	6,059	684.4	24.14	7.12
60%	6.93	153.87	7,115	972.4	34.30	6.32
70%	10.23	227.08	8,064	1285.1	45.33	5.66
80%	14.23	315.93	8,961	1618.3	57.08	5.12
90%	19.64	436.10	9,832	1998.3	70.49	4.58
100%	23.07	512.18	10,339	2206.6	77.83	4.31

Propeller Efficiency vs Throttle Position

