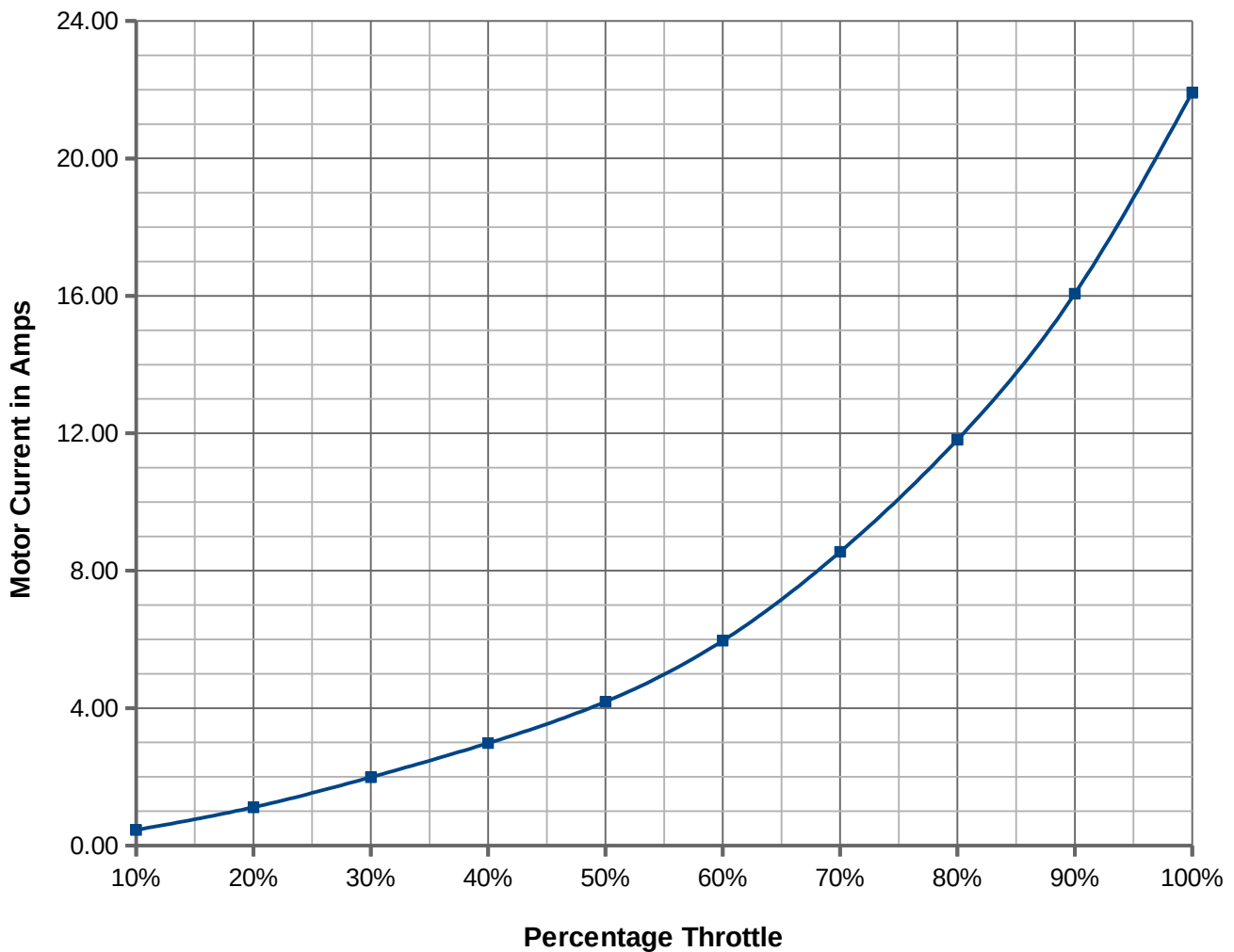


Cobra CM-2205-2300 Champion Motor Test Data

Data Collected at 11.1 volts with APC 5x4.6 Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.46	5.05	4,107	28.0	0.99	5.54
20%	1.12	12.39	6,393	68.9	2.43	5.56
30%	1.99	22.10	8,195	115.3	4.07	5.22
40%	2.98	33.09	9,641	161.3	5.69	4.87
50%	4.19	46.48	11,039	212.9	7.51	4.58
60%	5.96	66.18	12,641	282.2	9.95	4.26
70%	8.55	94.91	14,433	374.1	13.20	3.94
80%	11.81	131.14	16,196	470.3	16.59	3.59
90%	16.07	178.33	17,831	587.0	20.71	3.29
100%	21.92	243.27	19,740	718.4	25.34	2.95

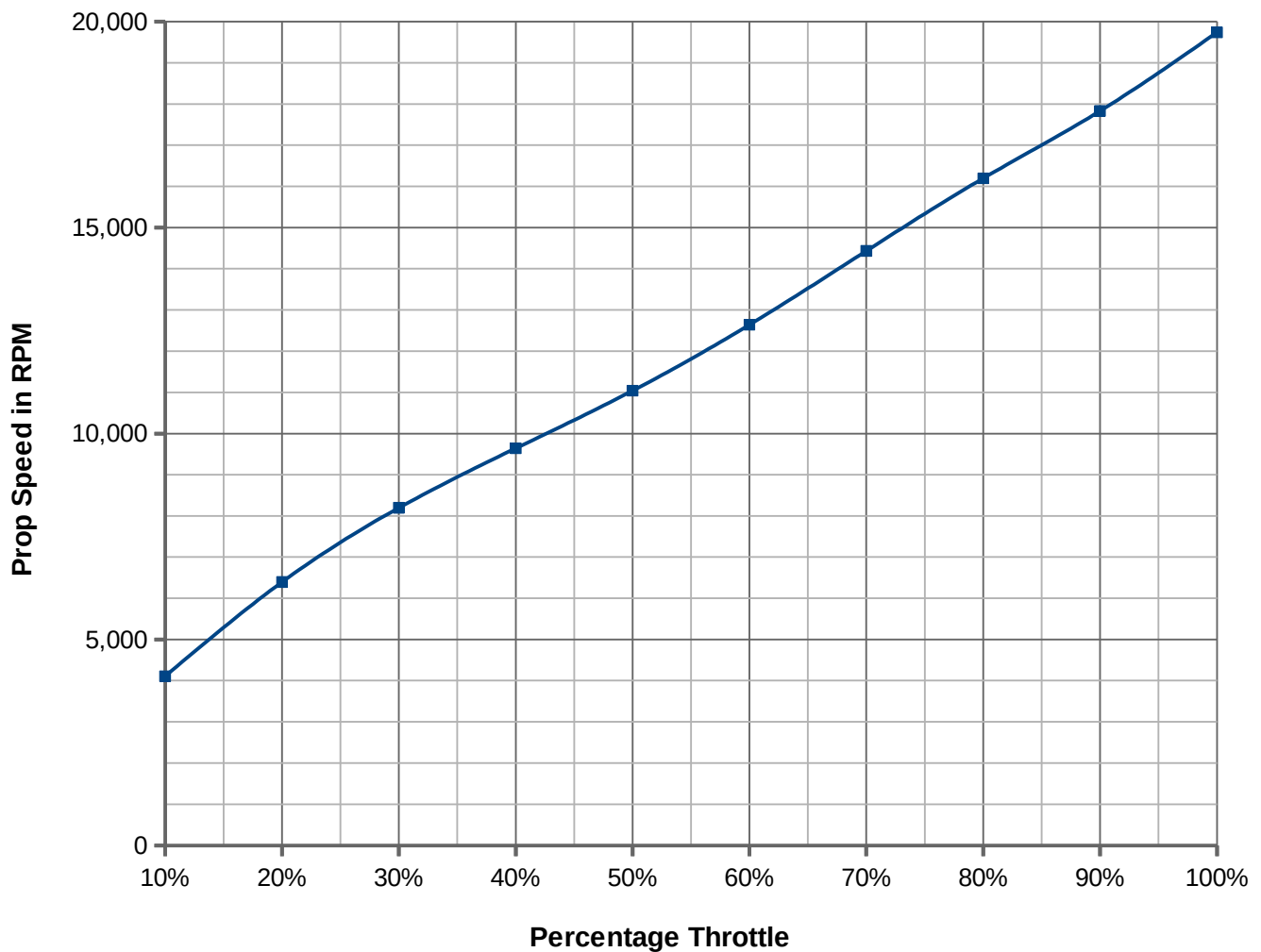
Motor Current vs Throttle Position



Cobra CM-2205-2300 Champion Motor Test Data

Data Collected at 11.1 volts with APC 5x4.6 Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.46	5.05	4,107	28.0	0.99	5.54
20%	1.12	12.39	6,393	68.9	2.43	5.56
30%	1.99	22.10	8,195	115.3	4.07	5.22
40%	2.98	33.09	9,641	161.3	5.69	4.87
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60%	5.96	66.18	12,641	282.2	9.95	4.26
70%	8.55	94.91	14,433	374.1	13.20	3.94
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90%	16.07	178.33	17,831	587.0	20.71	3.29
100%	21.92	243.27	19,740	718.4	25.34	2.95

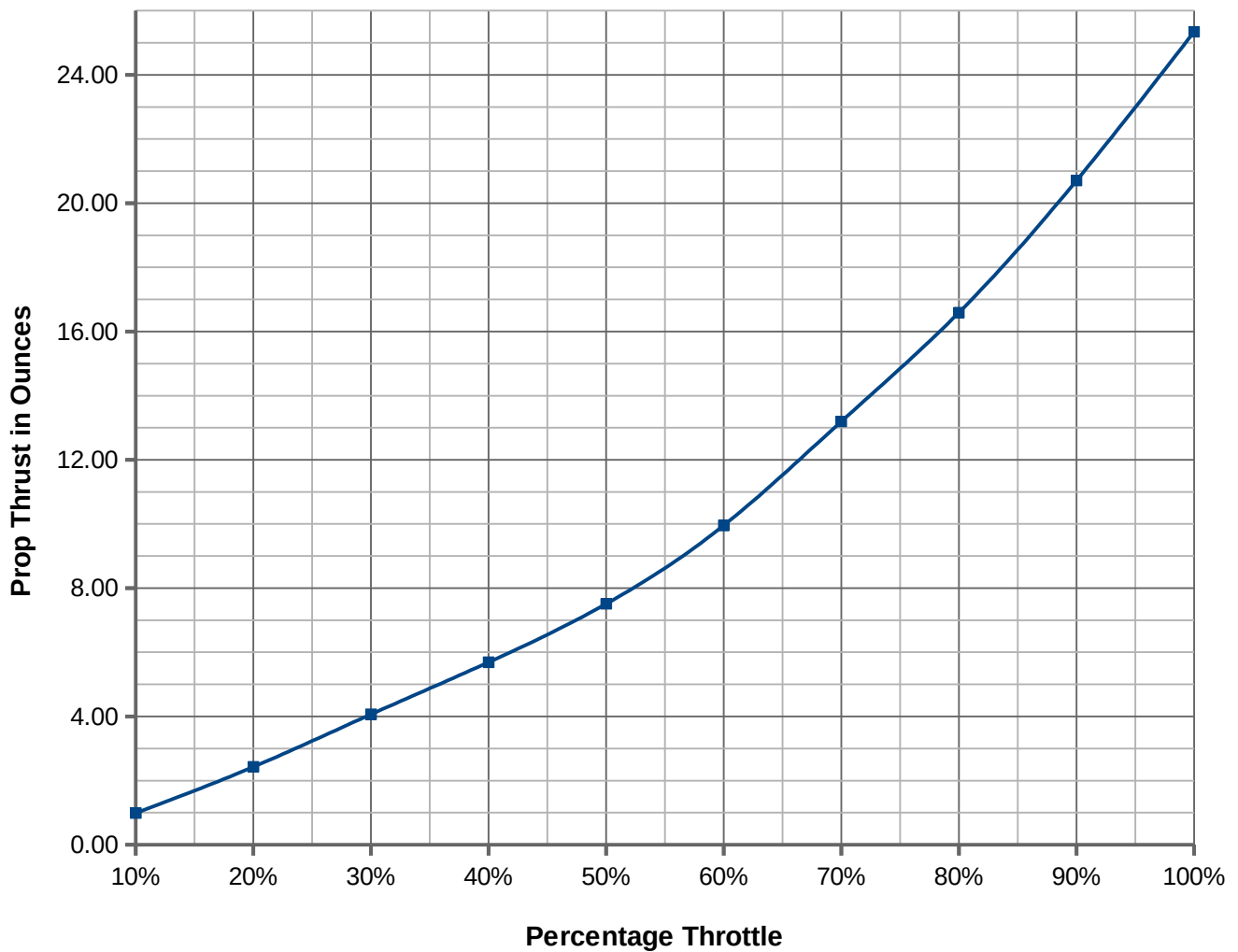
Propeller RPM vs Throttle Position



Cobra CM-2205-2300 Champion Motor Test Data

Data Collected at 11.1 volts with APC 5x4.6 Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.46	5.05	4,107	28.0	0.99	5.54
20%	1.12	12.39	6,393	68.9	2.43	5.56
30%	1.99	22.10	8,195	115.3	4.07	5.22
40%	2.98	33.09	9,641	161.3	5.69	4.87
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60%	5.96	66.18	12,641	282.2	9.95	4.26
70%	8.55	94.91	14,433	374.1	13.20	3.94
80%	11.81	131.14	16,196	470.3	16.59	3.59
90%	16.07	178.33	17,831	587.0	20.71	3.29
100%	21.92	243.27	19,740	718.4	25.34	2.95

Propeller Thrust vs Throttle Position



Cobra CM-2205-2300 Champion Motor Test Data

Data Collected at 11.1 volts with APC 5x4.6 Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.46	5.05	4,107	28.0	0.99	5.54
20%	1.12	12.39	6,393	68.9	2.43	5.56
30%	1.99	22.10	8,195	115.3	4.07	5.22
40%	2.98	33.09	9,641	161.3	5.69	4.87
50%	4.19	46.48	11,039	212.9	7.51	4.58
60%	5.96	66.18	12,641	282.2	9.95	4.26
70%	8.55	94.91	14,433	374.1	13.20	3.94
80%	11.81	131.14	16,196	470.3	16.59	3.59
90%	16.07	178.33	17,831	587.0	20.71	3.29
100%	21.92	243.27	19,740	718.4	25.34	2.95

Propeller Efficiency vs Throttle Position

