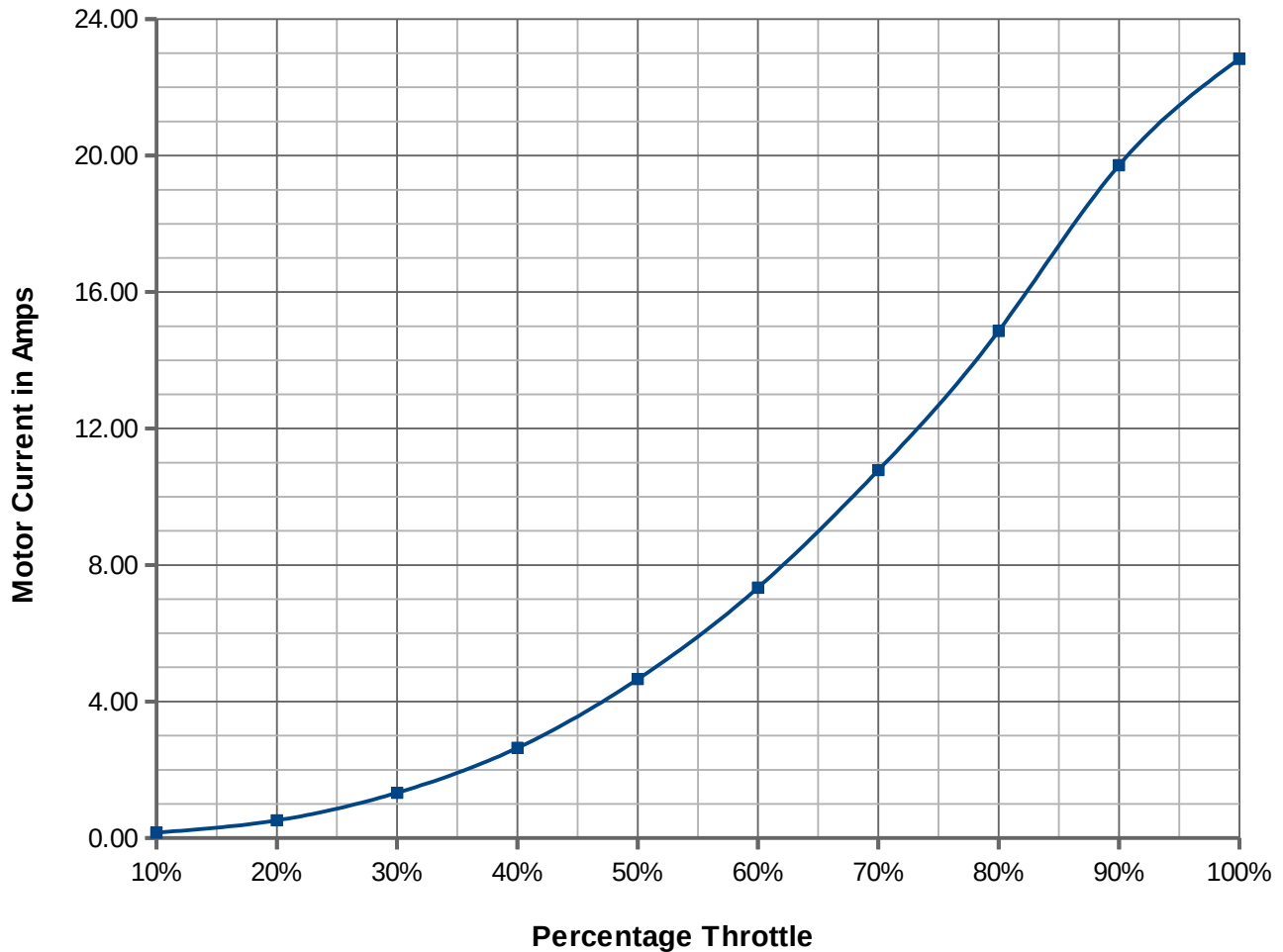


Cobra CM-3520/28 Motor Test Data, Kv=350

Data Collected at 22.2 volts with APC 18x5.5-MR Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.16	3.55	819	59.8	2.11	16.84
20%	0.52	11.50	1,494	203.5	7.17	17.70
30%	1.33	29.44	2,150	443.5	15.63	15.07
40%	2.64	58.63	2,750	735.1	25.91	12.54
50%	4.65	103.32	3,299	1130.0	39.82	10.94
60%	7.34	162.86	3,818	1560.4	54.99	9.58
70%	10.78	239.27	4,313	2026.9	71.43	8.47
80%	14.86	329.91	4,771	2479.1	87.37	7.51
90%	19.72	437.74	5,182	2945.6	103.81	6.73
100%	22.84	506.94	5,425	3194.2	112.57	6.30

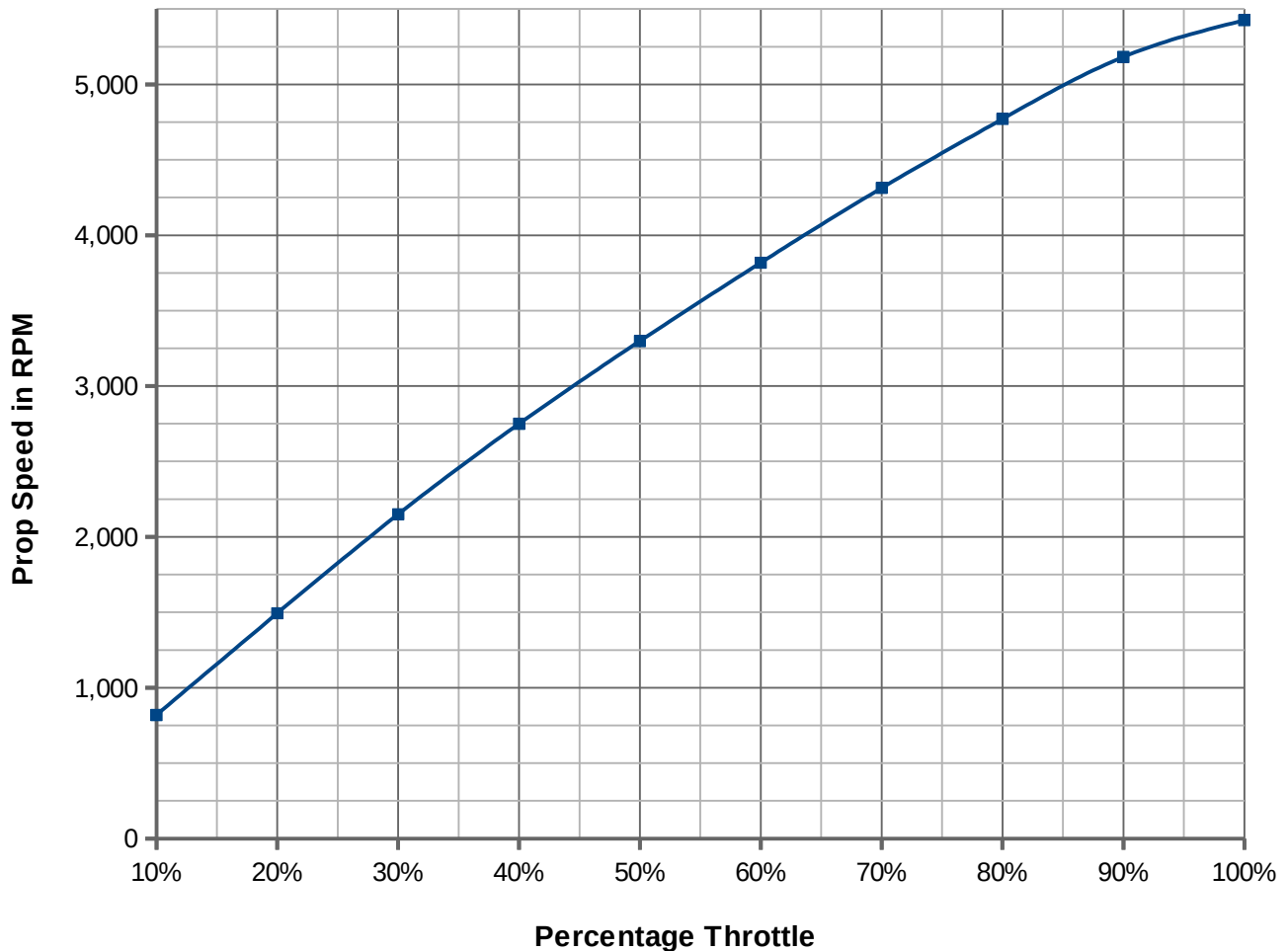
Motor Current vs Throttle Position



Cobra CM-3520/28 Motor Test Data, Kv=350

Data Collected at 22.2 volts with APC 18x5.5-MR Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.16	3.55	819	59.8	2.11	16.84
20%	0.52	11.50	1,494	203.5	7.17	17.70
30%	1.33	29.44	2,150	443.5	15.63	15.07
40%	2.64	58.63	2,750	735.1	25.91	12.54
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70%	10.78	239.27	4,313	2026.9	71.43	8.47
80%	14.86	329.91	4,771	2479.1	87.37	7.51
90%	19.72	437.74	5,182	2945.6	103.81	6.73
100%	22.84	506.94	5,425	3194.2	112.57	6.30

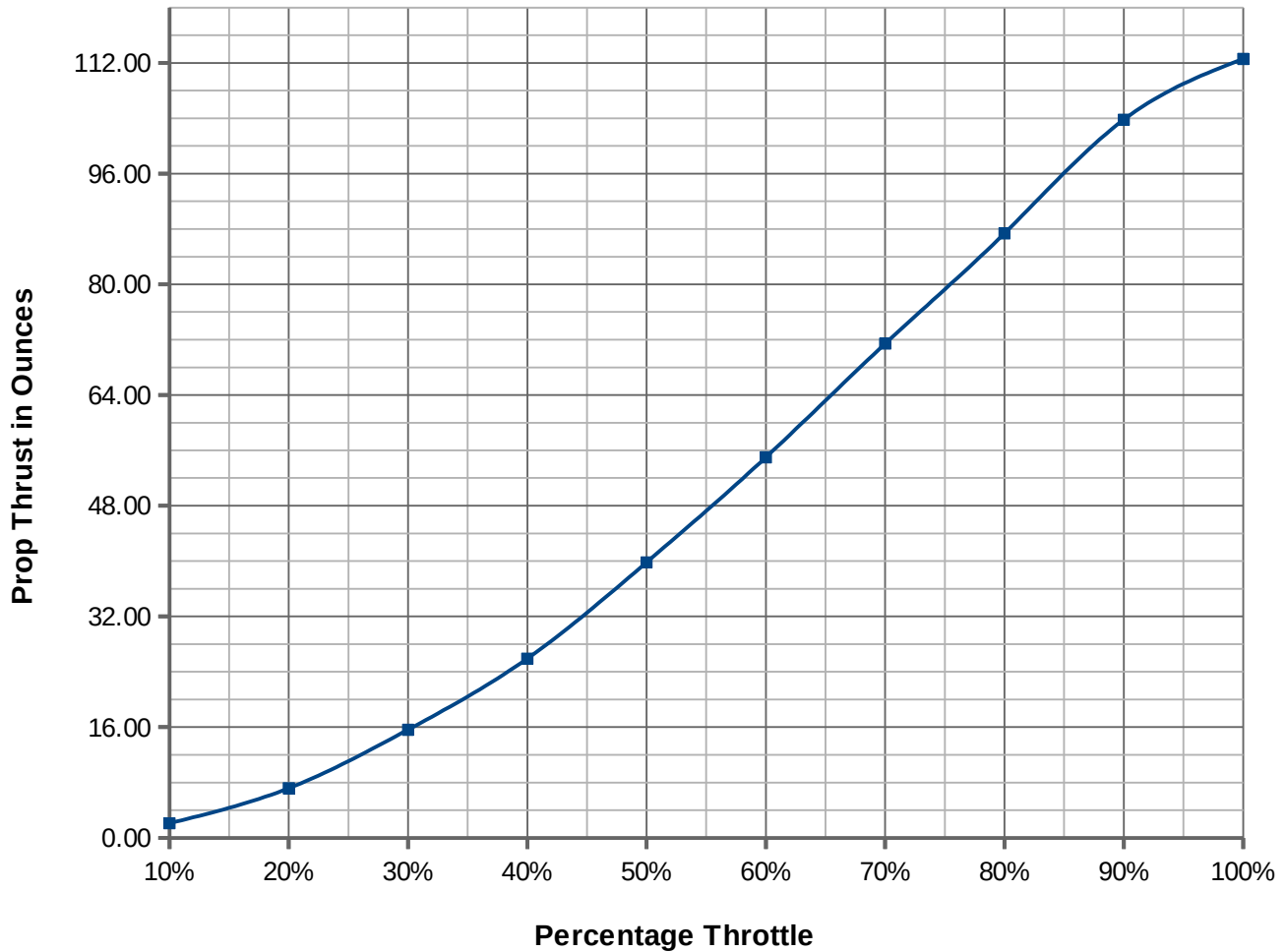
Propeller RPM vs Throttle Position



Cobra CM-3520/28 Motor Test Data, Kv=350

Data Collected at 22.2 volts with APC 18x5.5-MR Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.16	3.55	819	59.8	2.11	16.84
20%	0.52	11.50	1,494	203.5	7.17	17.70
30%	1.33	29.44	2,150	443.5	15.63	15.07
40%	2.64	58.63	2,750	735.1	25.91	12.54
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60%	7.34	162.86	3,818	1560.4	54.99	9.58
70%	10.78	239.27	4,313	2026.9	71.43	8.47
80%	14.86	329.91	4,771	2479.1	87.37	7.51
90%	19.72	437.74	5,182	2945.6	103.81	6.73
100%	22.84	506.94	5,425	3194.2	112.57	6.30

Propeller Thrust vs Throttle Position



Cobra CM-3520/28 Motor Test Data, Kv=350

Data Collected at 22.2 volts with APC 18x5.5-MR Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.16	3.55	819	59.8	2.11	16.84
20%	0.52	11.50	1,494	203.5	7.17	17.70
30%	1.33	29.44	2,150	443.5	15.63	15.07
40%	2.64	58.63	2,750	735.1	25.91	12.54
50%	4.65	103.32	3,299	1130.0	39.82	10.94
60%	7.34	162.86	3,818	1560.4	54.99	9.58
70%	10.78	239.27	4,313	2026.9	71.43	8.47
80%	14.86	329.91	4,771	2479.1	87.37	7.51
90%	19.72	437.74	5,182	2945.6	103.81	6.73
100%	22.84	506.94	5,425	3194.2	112.57	6.30

Propeller Efficiency vs Throttle Position

