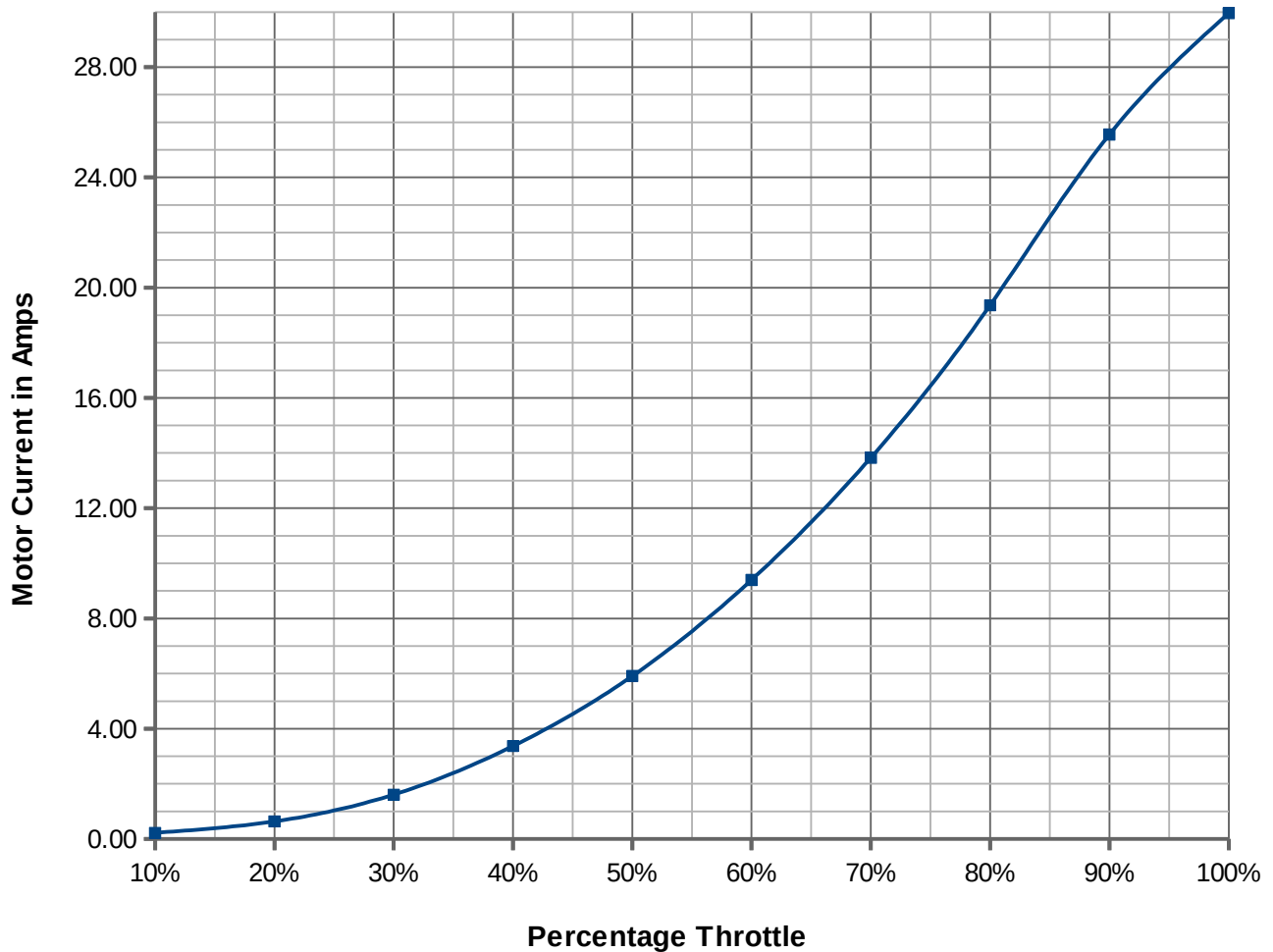


Cobra CM-4510-28 Motor Test Data, Kv=420

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%	0.22	4.11	907	68.9	2.43	16.78
20%	0.64	11.78	1,516	203.1	7.16	17.23
30%	1.61	29.77	2,190	441.0	15.54	14.82
40%	3.37	62.35	2,825	785.8	27.69	12.60
50%	5.91	109.34	3,402	1177.3	41.49	10.77
60%	9.40	173.81	3,954	1655.0	58.33	9.52
70%	13.83	255.82	4,483	2118.8	74.67	8.28
80%	19.36	358.23	4,967	2673.0	94.20	7.46
90%	25.56	472.80	5,434	3153.8	111.15	6.67
100%	29.96	554.20	5,670	3490.2	123.00	6.30

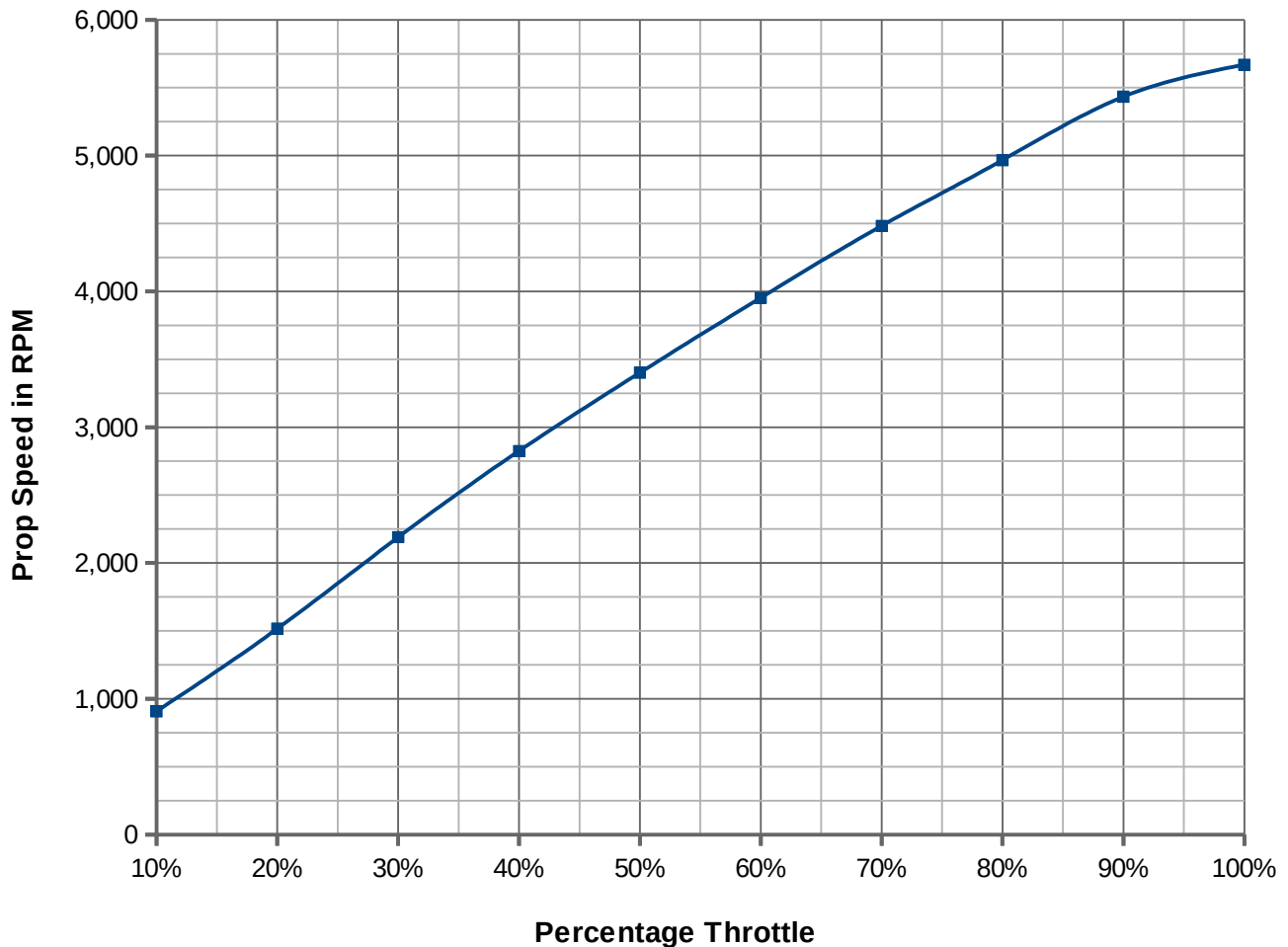
Motor Current vs Throttle Position



Cobra CM-4510-28 Motor Test Data, Kv=420

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%	0.22	4.11	907	68.9	2.43	16.78
20%	0.64	11.78	1,516	203.1	7.16	17.23
30%	1.61	29.77	2,190	441.0	15.54	14.82
40%	3.37	62.35	2,825	785.8	27.69	12.60
50%	5.91	109.34	3,402	1177.3	41.49	10.77
60%	9.40	173.81	3,954	1655.0	58.33	9.52
70%	13.83	255.82	4,483	2118.8	74.67	8.28
80%	19.36	358.23	4,967	2673.0	94.20	7.46
90%	25.56	472.80	5,434	3153.8	111.15	6.67
100%	29.96	554.20	5,670	3490.2	123.00	6.30

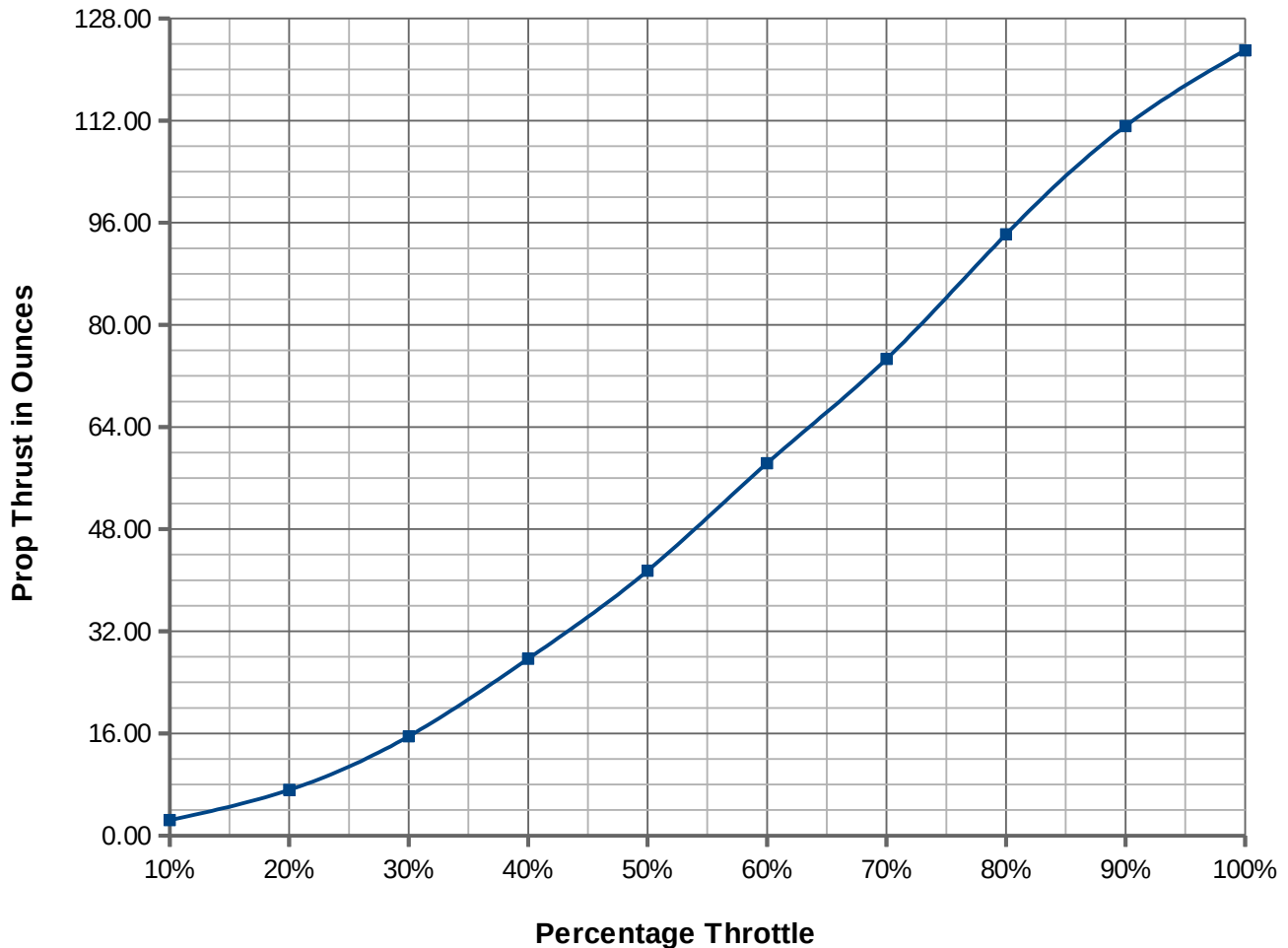
Propeller RPM vs Throttle Position



Cobra CM-4510-28 Motor Test Data, Kv=420

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%	0.22	4.11	907	68.9	2.43	16.78
20%	0.64	11.78	1,516	203.1	7.16	17.23
30%	1.61	29.77	2,190	441.0	15.54	14.82
40%	3.37	62.35	2,825	785.8	27.69	12.60
50%	5.91	109.34	3,402	1177.3	41.49	10.77
60%	9.40	173.81	3,954	1655.0	58.33	9.52
70%	13.83	255.82	4,483	2118.8	74.67	8.28
80%	19.36	358.23	4,967	2673.0	94.20	7.46
90%	25.56	472.80	5,434	3153.8	111.15	6.67
100%	29.96	554.20	5,670	3490.2	123.00	6.30

Propeller Thrust vs Throttle Position



Cobra CM-4510-28 Motor Test Data, Kv=420

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%	0.22	4.11	907	68.9	2.43	16.78
20%	0.64	11.78	1,516	203.1	7.16	17.23
30%	1.61	29.77	2,190	441.0	15.54	14.82
40%	3.37	62.35	2,825	785.8	27.69	12.60
50%	5.91	109.34	3,402	1177.3	41.49	10.77
60%	9.40	173.81	3,954	1655.0	58.33	9.52
70%	13.83	255.82	4,483	2118.8	74.67	8.28
80%	19.36	358.23	4,967	2673.0	94.20	7.46
90%	25.56	472.80	5,434	3153.8	111.15	6.67
100%	29.96	554.20	5,670	3490.2	123.00	6.30

Propeller Efficiency vs Throttle Position

