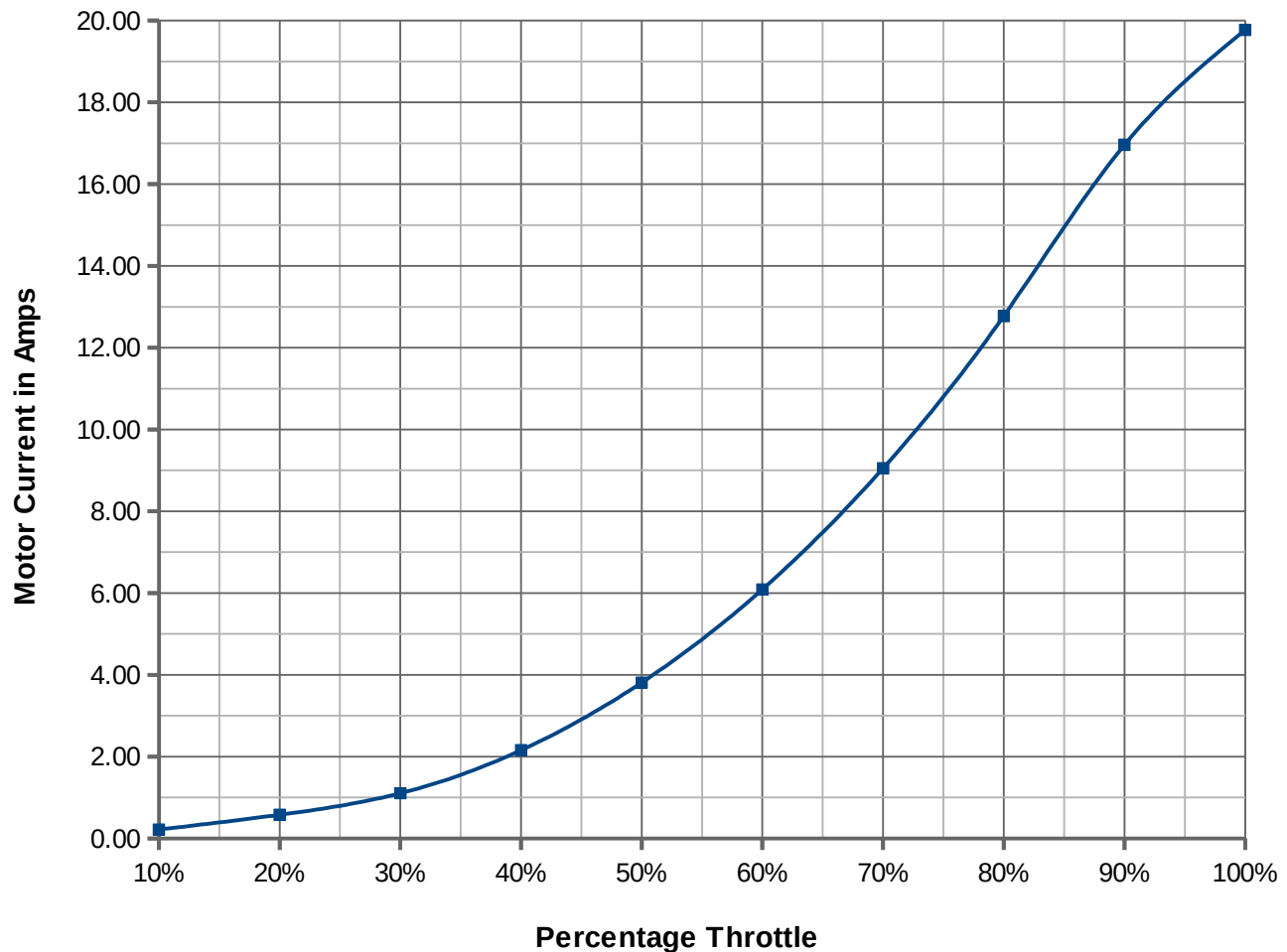


Cobra CM-2814/24 Motor Test Data, Kv=700

Data Collected at 11.1 volts with APC 14x5.5-MR Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.22	2.42	1,042	41.9	1.48	17.32
20%	0.58	6.43	1,620	110.2	3.88	17.15
30%	1.11	12.27	2,115	184.6	6.51	15.05
40%	2.16	23.93	2,721	317.6	11.19	13.27
50%	3.81	42.31	3,321	488.9	17.23	11.55
60%	6.09	67.58	3,883	690.2	24.32	10.21
70%	9.05	100.48	4,428	889.9	31.36	8.86
80%	12.78	141.81	4,909	1142.8	40.27	8.06
90%	16.96	188.27	5,374	1356.4	47.80	7.20
100%	19.77	219.44	5,612	1493.9	52.65	6.81

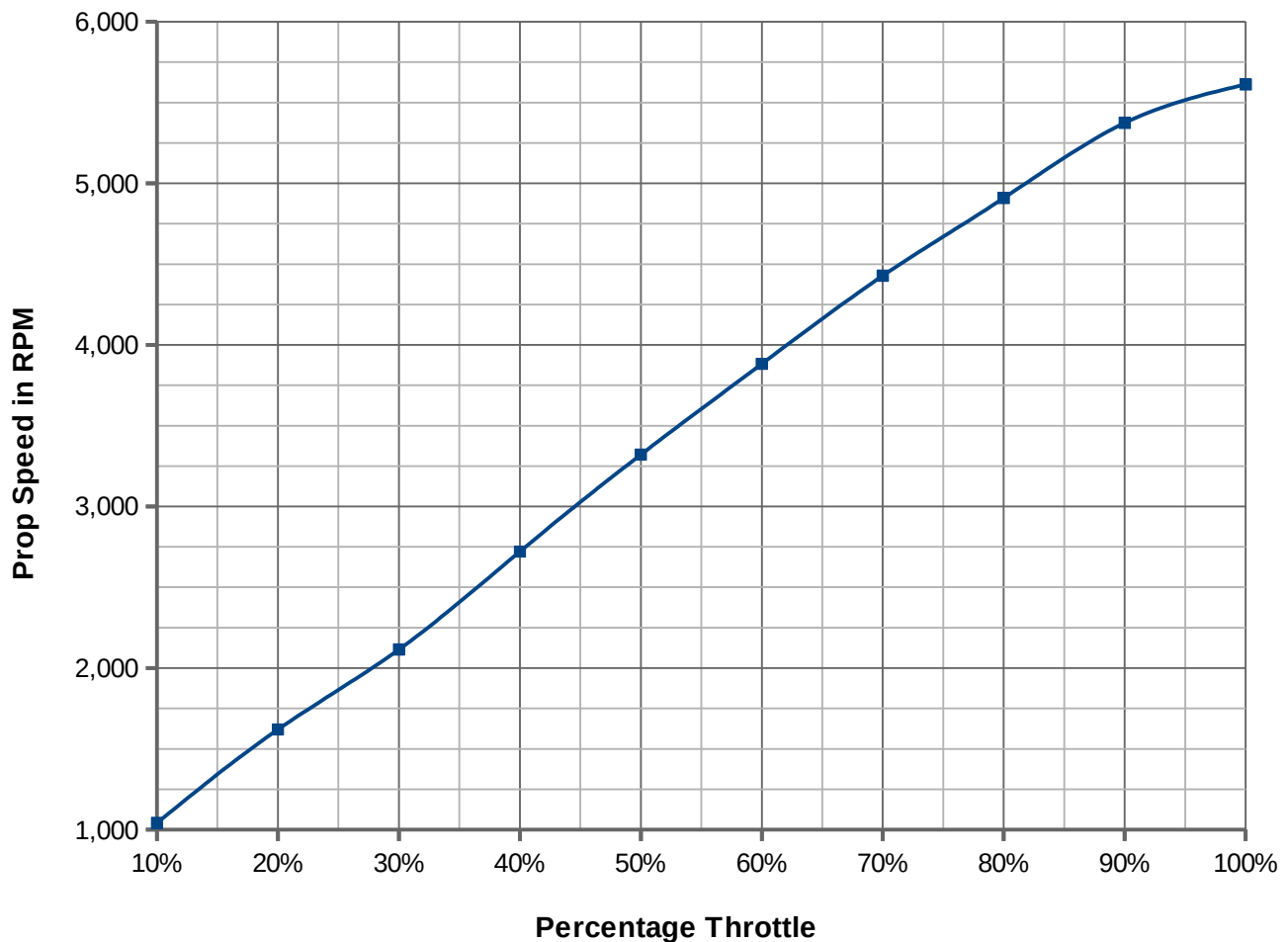
Motor Current vs Throttle Position



Cobra CM-2814/24 Motor Test Data, Kv=700

Data Collected at 11.1 volts with APC 14x5.5-MR Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.22	2.42	1,042	41.9	1.48	17.32
20%	0.58	6.43	1,620	110.2	3.88	17.15
30%	1.11	12.27	2,115	184.6	6.51	15.05
40%	2.16	23.93	2,721	317.6	11.19	13.27
50%	3.81	42.31	3,321	488.9	17.23	11.55
60%	6.09	67.58	3,883	690.2	24.32	10.21
70%	9.05	100.48	4,428	889.9	31.36	8.86
80%	12.78	141.81	4,909	1142.8	40.27	8.06
90%	16.96	188.27	5,374	1356.4	47.80	7.20
100%	19.77	219.44	5,612	1493.9	52.65	6.81

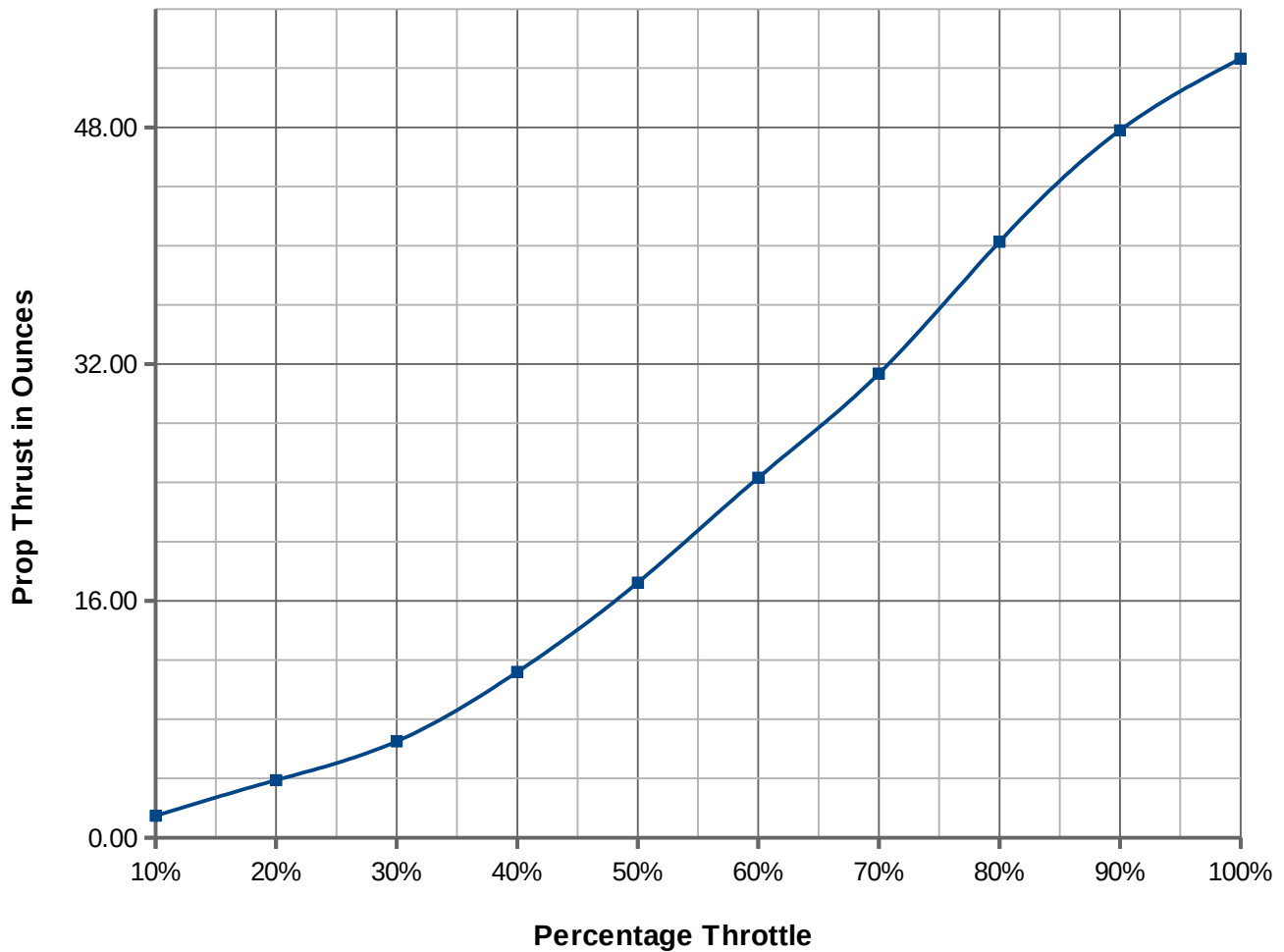
Propeller RPM vs Throttle Position



Cobra CM-2814/24 Motor Test Data, Kv=700

Data Collected at 11.1 volts with APC 14x5.5-MR Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.22	2.42	1,042	41.9	1.48	17.32
20%	0.58	6.43	1,620	110.2	3.88	17.15
30%	1.11	12.27	2,115	184.6	6.51	15.05
40%	2.16	23.93	2,721	317.6	11.19	13.27
50%	3.81	42.31	3,321	488.9	17.23	11.55
60%	6.09	67.58	3,883	690.2	24.32	10.21
70%	9.05	100.48	4,428	889.9	31.36	8.86
80%	12.78	141.81	4,909	1142.8	40.27	8.06
90%	16.96	188.27	5,374	1356.4	47.80	7.20
100%	19.77	219.44	5,612	1493.9	52.65	6.81

Propeller Thrust vs Throttle Position



Cobra CM-2814/24 Motor Test Data, Kv=700

Data Collected at 11.1 volts with APC 14x5.5-MR Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.22	2.42	1,042	41.9	1.48	17.32
20%	0.58	6.43	1,620	110.2	3.88	17.15
30%	1.11	12.27	2,115	184.6	6.51	15.05
40%	2.16	23.93	2,721	317.6	11.19	13.27
50%	3.81	42.31	3,321	488.9	17.23	11.55
60%	6.09	67.58	3,883	690.2	24.32	10.21
70%	9.05	100.48	4,428	889.9	31.36	8.86
80%	12.78	141.81	4,909	1142.8	40.27	8.06
90%	16.96	188.27	5,374	1356.4	47.80	7.20
100%	19.77	219.44	5,612	1493.9	52.65	6.81

Propeller Efficiency vs Throttle Position

