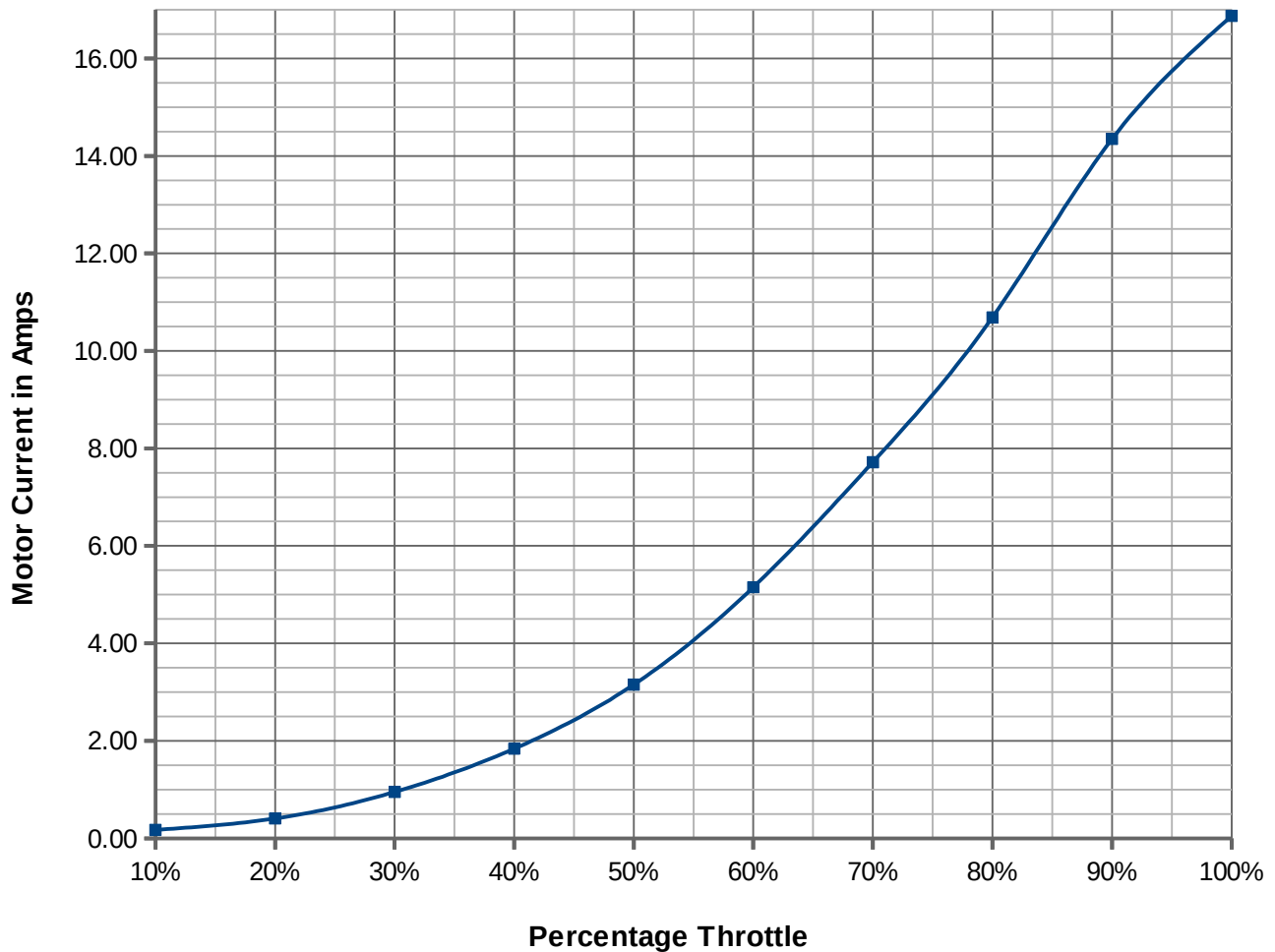


Cobra CM-4008-36 Motor Test Data, Kv=400

Data Collected at 22.2 volts with APC 14x5.5-MR Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.17	3.86	1,077	43.5	1.53	11.26
20%	0.41	9.04	1,764	132.1	4.66	14.62
30%	0.95	21.13	2,541	291.6	10.28	13.80
40%	1.84	40.83	3,257	477.4	16.82	11.69
50%	3.15	70.02	3,928	727.7	25.65	10.39
60%	5.15	114.40	4,617	1037.4	36.56	9.07
70%	7.72	171.32	5,263	1348.3	47.52	7.87
80%	10.69	237.30	5,819	1663.9	58.64	7.01
90%	14.35	318.50	6,342	1981.0	69.81	6.22
100%	16.87	374.58	6,601	2167.5	76.39	5.79

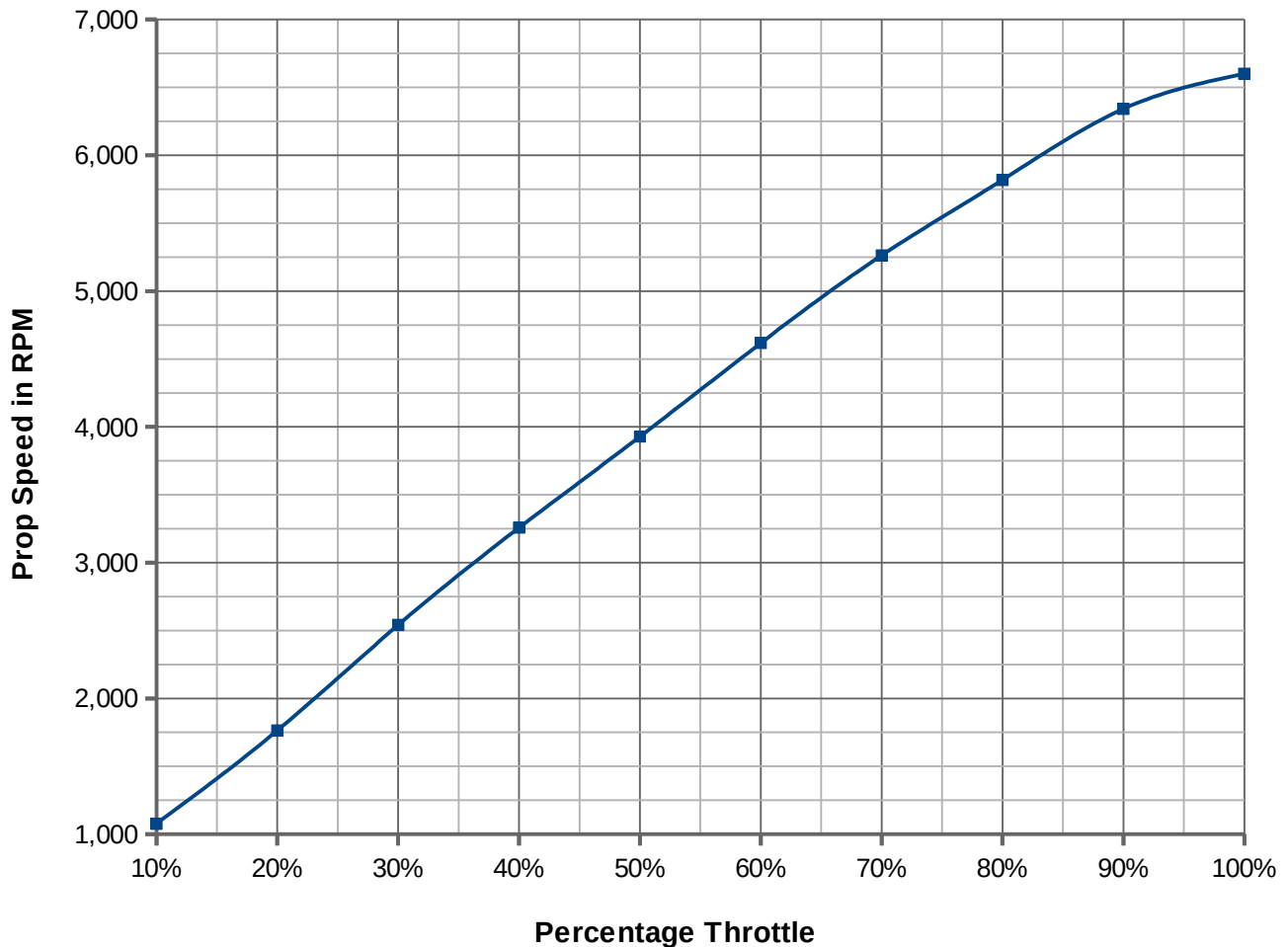
Motor Current vs Throttle Position



Cobra CM-4008-36 Motor Test Data, Kv=400

Data Collected at 22.2 volts with APC 14x5.5-MR Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.17	3.86	1,077	43.5	1.53	11.26
20%	0.41	9.04	1,764	132.1	4.66	14.62
30%	0.95	21.13	2,541	291.6	10.28	13.80
40%	1.84	40.83	3,257	477.4	16.82	11.69
50%	3.15	70.02	3,928	727.7	25.65	10.39
60%	5.15	114.40	4,617	1037.4	36.56	9.07
70%	7.72	171.32	5,263	1348.3	47.52	7.87
80%	10.69	237.30	5,819	1663.9	58.64	7.01
90%	14.35	318.50	6,342	1981.0	69.81	6.22
100%	16.87	374.58	6,601	2167.5	76.39	5.79

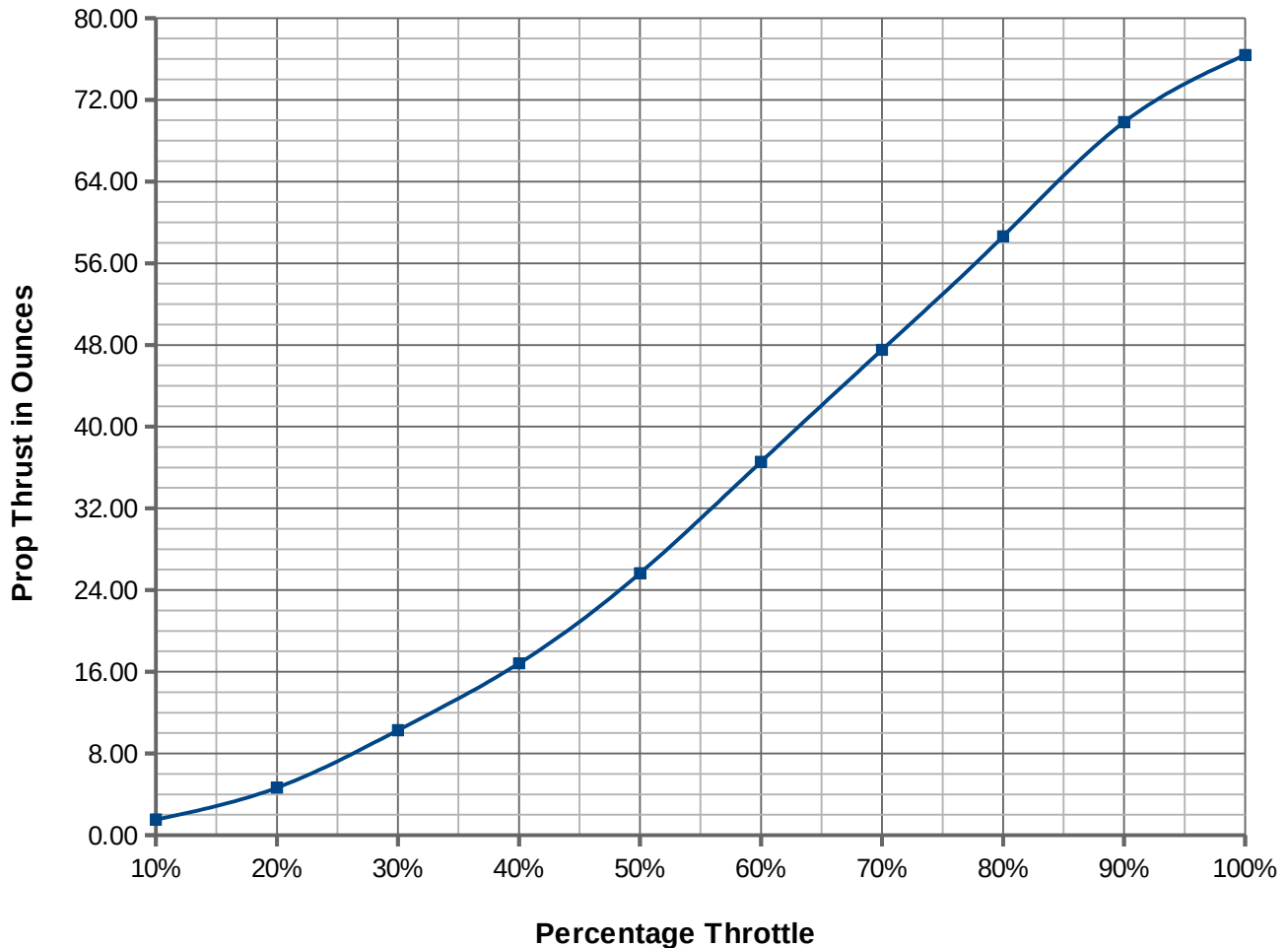
Propeller RPM vs Throttle Position



Cobra CM-4008-36 Motor Test Data, Kv=400

Data Collected at 22.2 volts with APC 14x5.5-MR Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.17	3.86	1,077	43.5	1.53	11.26
20%	0.41	9.04	1,764	132.1	4.66	14.62
30%	0.95	21.13	2,541	291.6	10.28	13.80
40%	1.84	40.83	3,257	477.4	16.82	11.69
50%	3.15	70.02	3,928	727.7	25.65	10.39
60%	5.15	114.40	4,617	1037.4	36.56	9.07
70%	7.72	171.32	5,263	1348.3	47.52	7.87
80%	10.69	237.30	5,819	1663.9	58.64	7.01
90%	14.35	318.50	6,342	1981.0	69.81	6.22
100%	16.87	374.58	6,601	2167.5	76.39	5.79

Propeller Thrust vs Throttle Position



Cobra CM-4008-36 Motor Test Data, Kv=400

Data Collected at 22.2 volts with APC 14x5.5-MR Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.17	3.86	1,077	43.5	1.53	11.26
20%	0.41	9.04	1,764	132.1	4.66	14.62
30%	0.95	21.13	2,541	291.6	10.28	13.80
40%	1.84	40.83	3,257	477.4	16.82	11.69
50%	3.15	70.02	3,928	727.7	25.65	10.39
60%	5.15	114.40	4,617	1037.4	36.56	9.07
70%	7.72	171.32	5,263	1348.3	47.52	7.87
80%	10.69	237.30	5,819	1663.9	58.64	7.01
90%	14.35	318.50	6,342	1981.0	69.81	6.22
100%	16.87	374.58	6,601	2167.5	76.39	5.79

Propeller Efficiency vs Throttle Position

