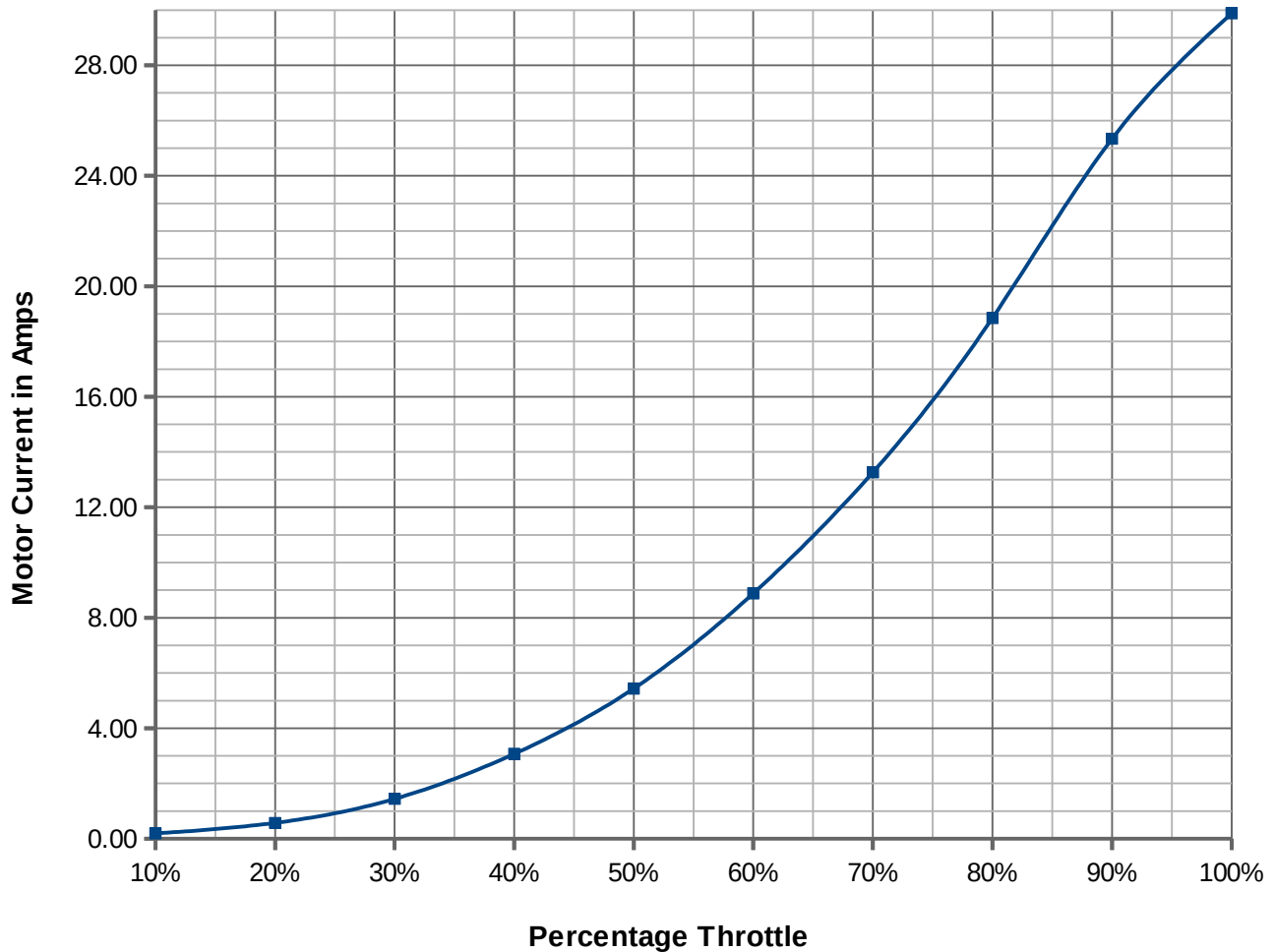


Cobra CM-3520/20 Motor Test Data, Kv=480

Data Collected at 14.8 volts with RC-Timer 16x5.5-CF Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.19	2.81	715	43.5	1.53	15.47
20%	0.57	8.48	1,293	137.2	4.84	16.18
30%	1.44	21.36	1,906	303.0	10.68	14.19
40%	3.07	45.48	2,470	534.3	18.83	11.75
50%	5.44	80.45	2,986	800.6	28.21	9.95
60%	8.88	131.45	3,470	1121.6	39.53	8.53
70%	13.26	196.29	3,917	1442.6	50.84	7.35
80%	18.85	278.99	4,319	1793.7	63.21	6.43
90%	25.34	375.03	4,685	2141.9	75.49	5.71
100%	29.88	442.28	4,898	2360.2	83.18	5.34

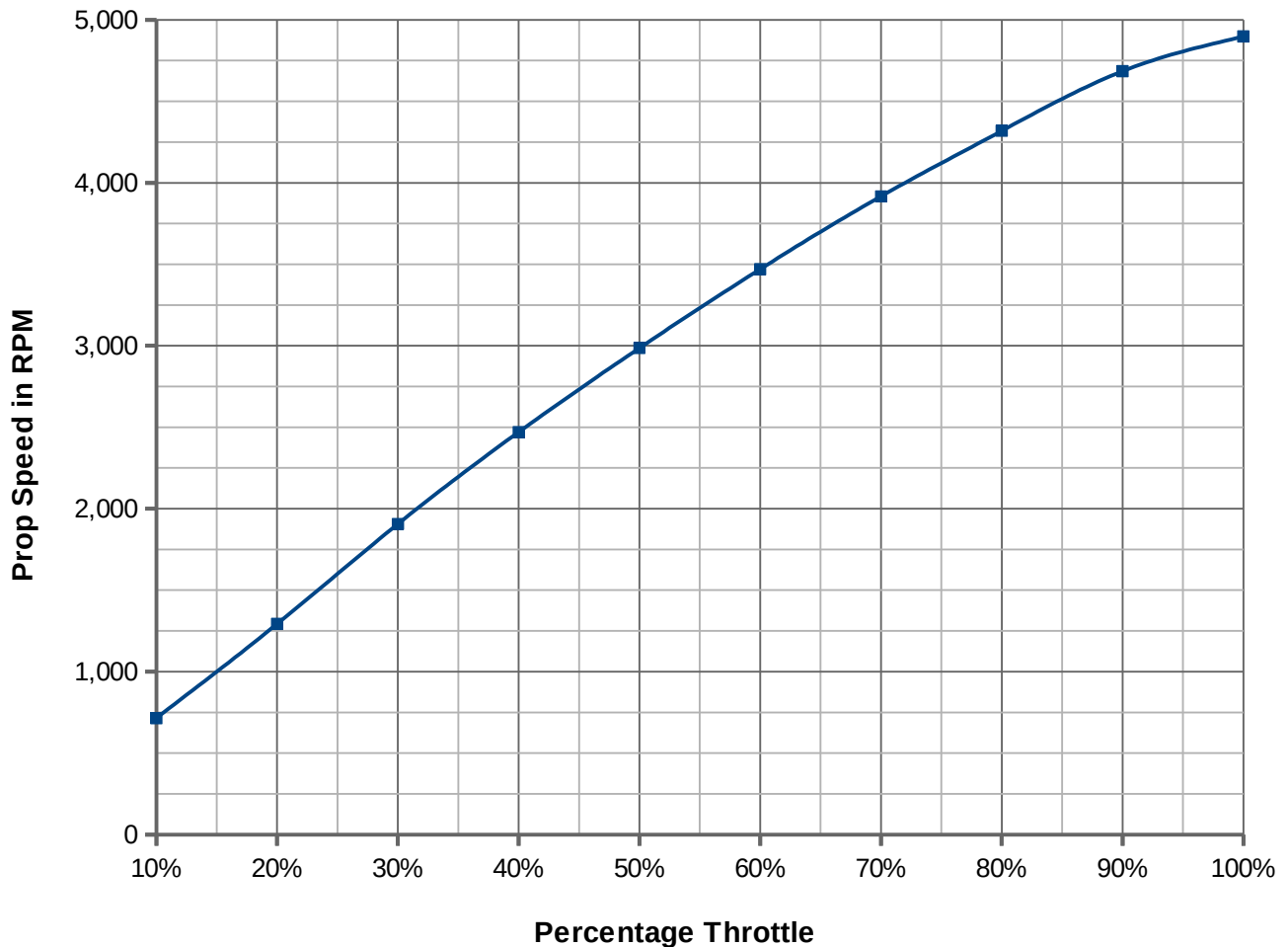
Motor Current vs Throttle Position



Cobra CM-3520/20 Motor Test Data, Kv=480

Data Collected at 14.8 volts with RC-Timer 16x5.5-CF Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.19	2.81	715	43.5	1.53	15.47
20%	0.57	8.48	1,293	137.2	4.84	16.18
30%	1.44	21.36	1,906	303.0	10.68	14.19
40%	3.07	45.48	2,470	534.3	18.83	11.75
50%	5.44	80.45	2,986	800.6	28.21	9.95
60%	8.88	131.45	3,470	1121.6	39.53	8.53
70%	13.26	196.29	3,917	1442.6	50.84	7.35
80%	18.85	278.99	4,319	1793.7	63.21	6.43
90%	25.34	375.03	4,685	2141.9	75.49	5.71
100%	29.88	442.28	4,898	2360.2	83.18	5.34

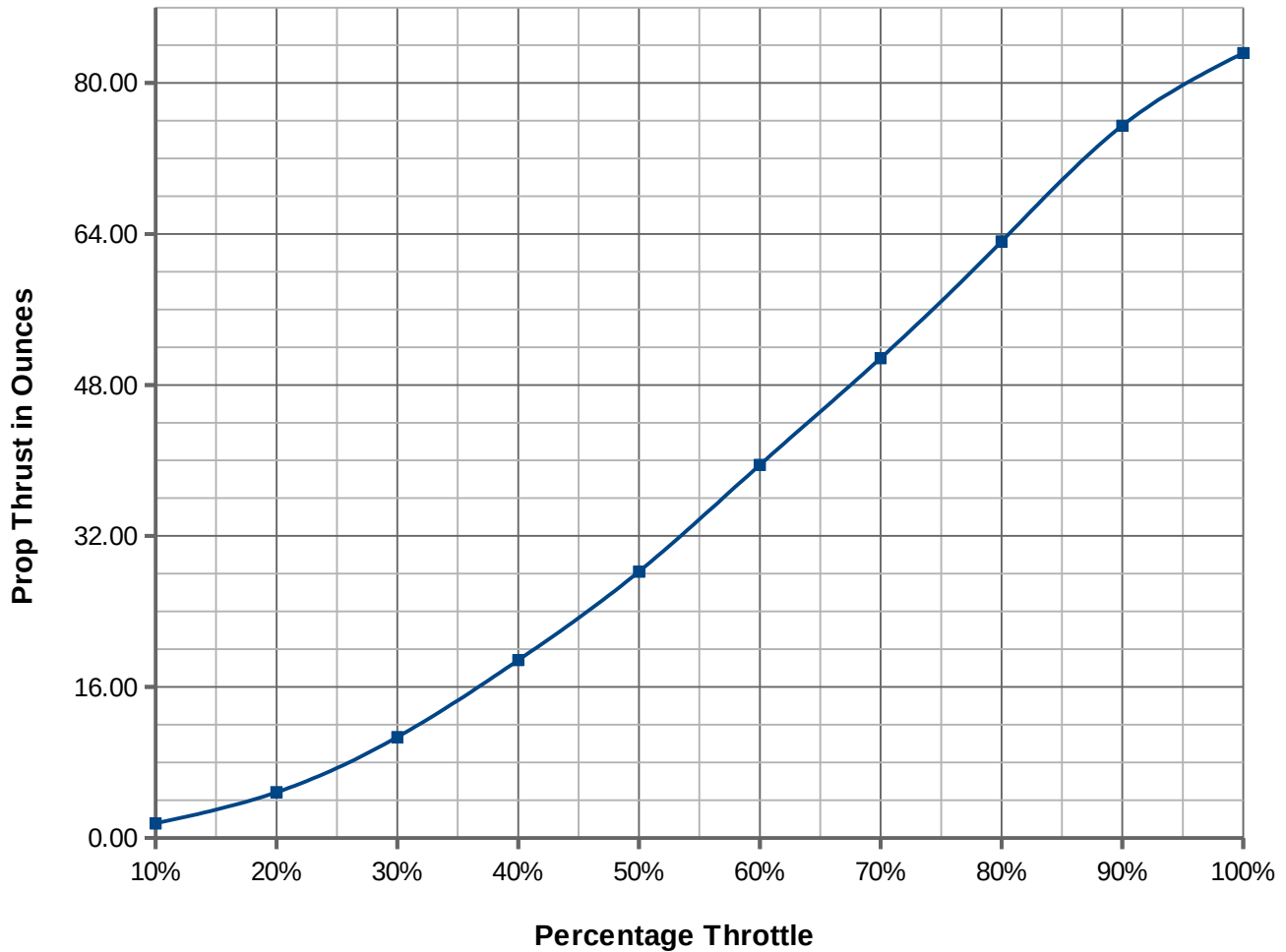
Propeller RPM vs Throttle Position



Cobra CM-3520/20 Motor Test Data, Kv=480

Data Collected at 14.8 volts with RC-Timer 16x5.5-CF Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.19	2.81	715	43.5	1.53	15.47
20%	0.57	8.48	1,293	137.2	4.84	16.18
30%	1.44	21.36	1,906	303.0	10.68	14.19
40%	3.07	45.48	2,470	534.3	18.83	11.75
50%	5.44	80.45	2,986	800.6	28.21	9.95
60%	8.88	131.45	3,470	1121.6	39.53	8.53
70%	13.26	196.29	3,917	1442.6	50.84	7.35
80%	18.85	278.99	4,319	1793.7	63.21	6.43
90%	25.34	375.03	4,685	2141.9	75.49	5.71
100%	29.88	442.28	4,898	2360.2	83.18	5.34

Propeller Thrust vs Throttle Position



Cobra CM-3520/20 Motor Test Data, Kv=480

Data Collected at 14.8 volts with RC-Timer 16x5.5-CF Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.19	2.81	715	43.5	1.53	15.47
20%	0.57	8.48	1,293	137.2	4.84	16.18
30%	1.44	21.36	1,906	303.0	10.68	14.19
40%	3.07	45.48	2,470	534.3	18.83	11.75
50%	5.44	80.45	2,986	800.6	28.21	9.95
60%	8.88	131.45	3,470	1121.6	39.53	8.53
70%	13.26	196.29	3,917	1442.6	50.84	7.35
80%	18.85	278.99	4,319	1793.7	63.21	6.43
90%	25.34	375.03	4,685	2141.9	75.49	5.71
100%	29.88	442.28	4,898	2360.2	83.18	5.34

Propeller Efficiency vs Throttle Position

