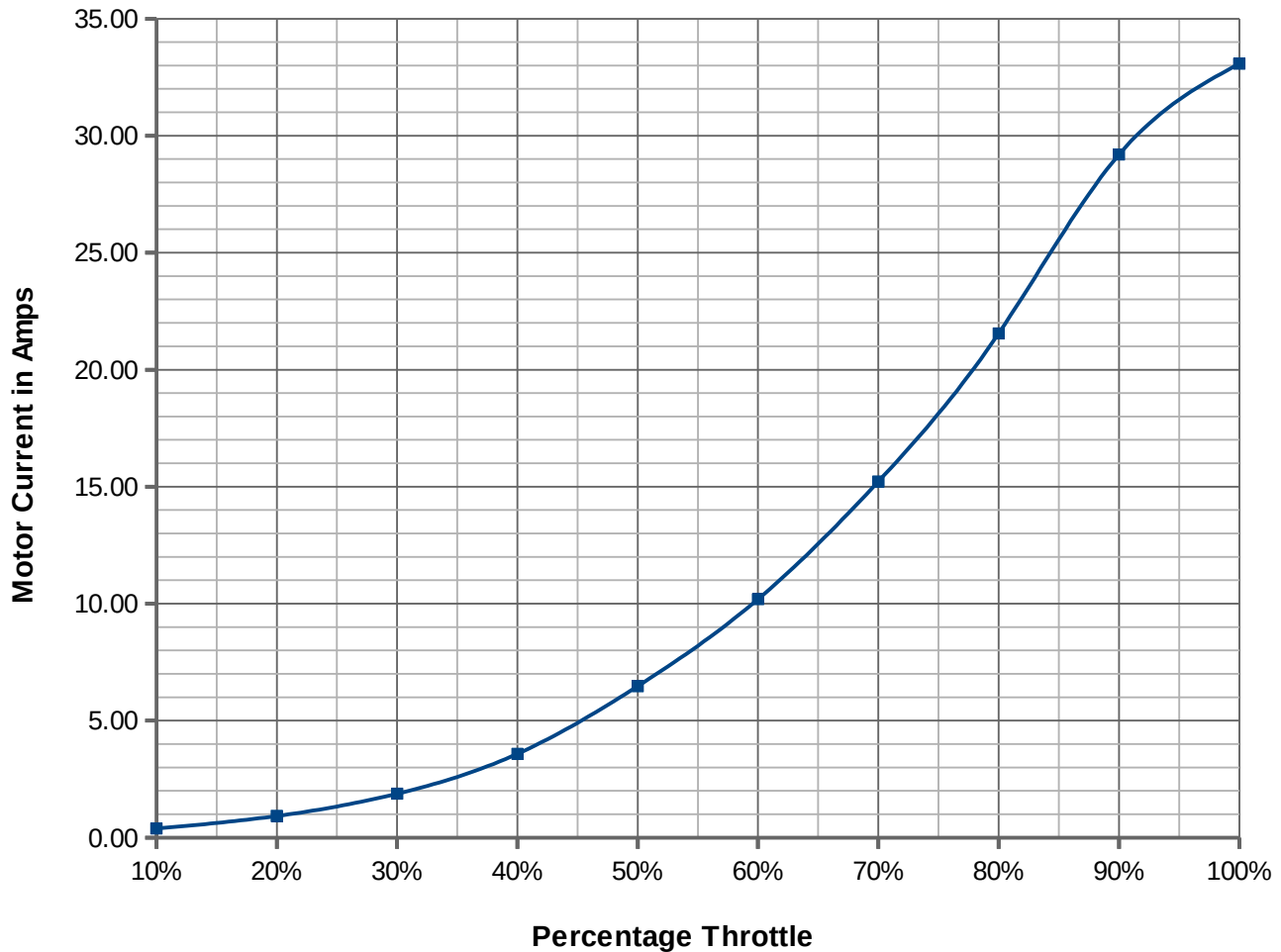


Cobra CM-4520-18 Motor Test Data, Kv=310

Data Collected at 22.2 volts with RC-Timer 16x5.5 CF Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.39	8.66	1,054	93.7	3.30	10.82
20%	0.93	20.56	1,731	256.5	9.04	12.48
30%	1.88	41.67	2,315	471.5	16.62	11.32
40%	3.58	79.52	2,915	800.6	28.21	10.07
50%	6.48	143.75	3,545	1231.2	43.39	8.57
60%	10.19	226.24	4,095	1683.2	59.32	7.44
70%	15.22	337.88	4,619	2205.5	77.73	6.53
80%	21.55	478.43	5,116	2771.9	97.69	5.79
90%	29.20	648.13	5,598	3305.7	116.50	5.10
100%	33.08	734.31	5,798	3604.0	127.01	4.91

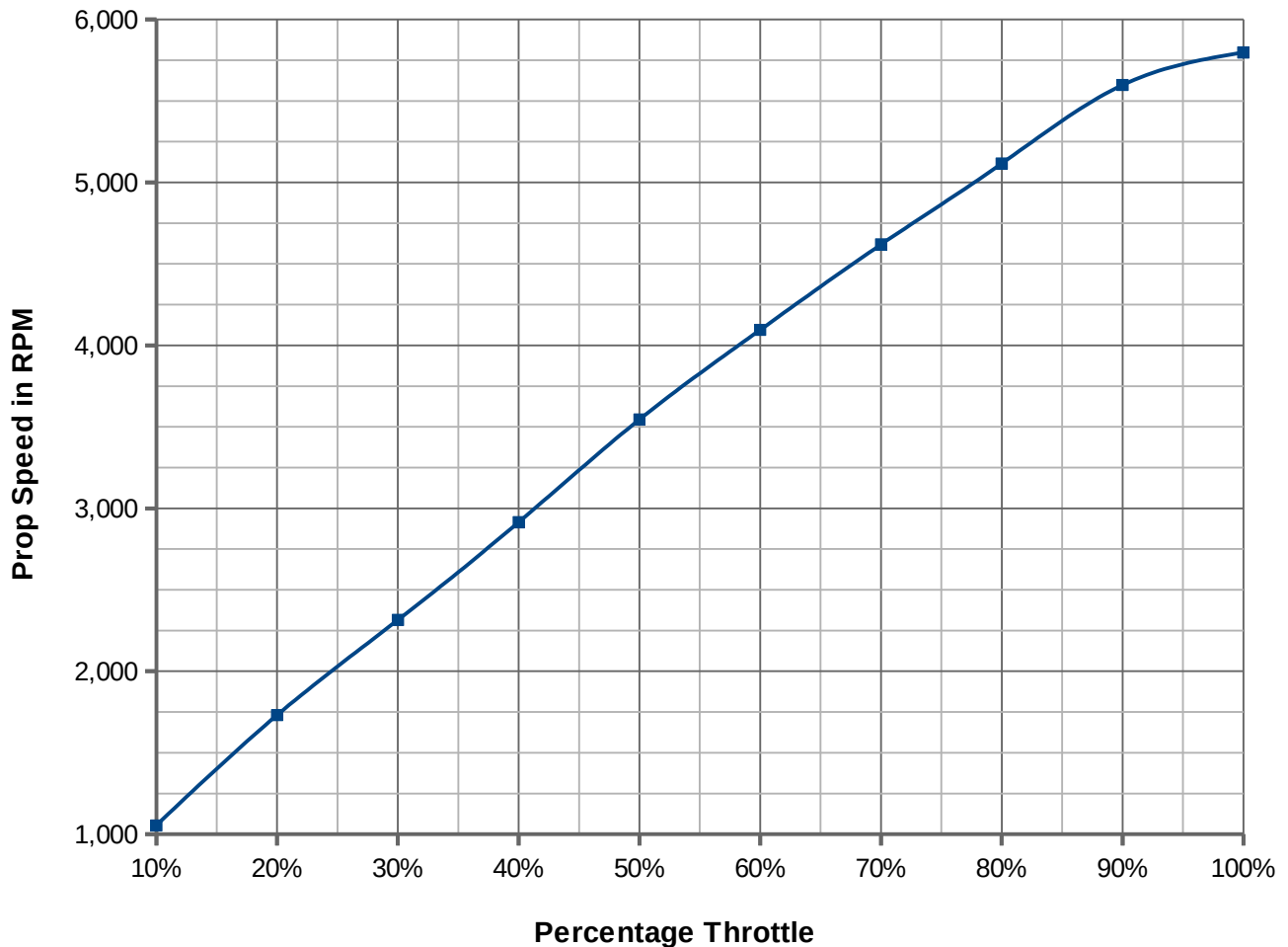
Motor Current vs Throttle Position



Cobra CM-4520-18 Motor Test Data, Kv=310

Data Collected at 22.2 volts with RC-Timer 16x5.5 CF Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.39	8.66	1,054	93.7	3.30	10.82
20%	0.93	20.56	1,731	256.5	9.04	12.48
30%	1.88	41.67	2,315	471.5	16.62	11.32
40%	3.58	79.52	2,915	800.6	28.21	10.07
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90%	29.20	648.13	5,598	3305.7	116.50	5.10
100%	33.08	734.31	5,798	3604.0	127.01	4.91

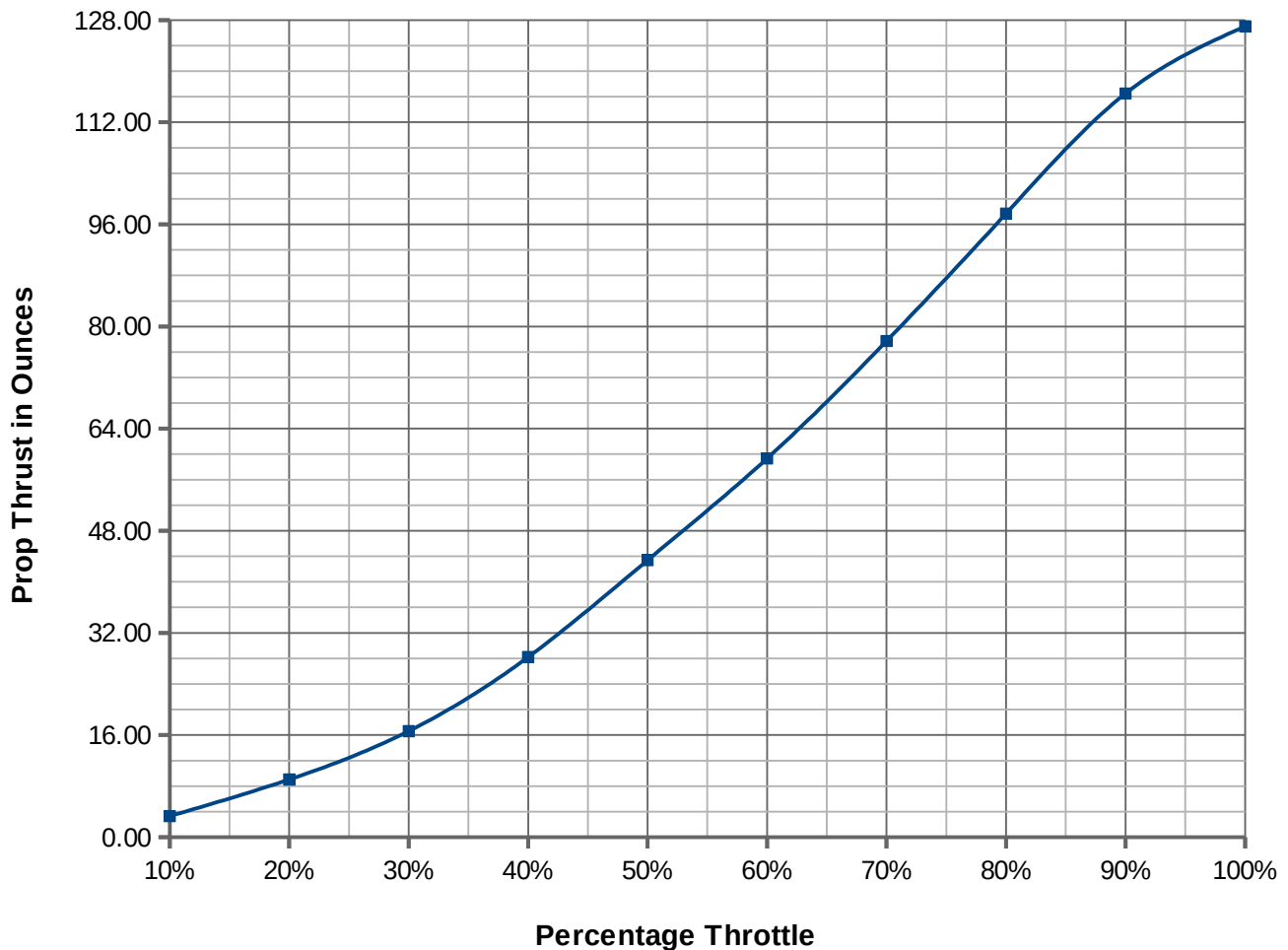
Propeller RPM vs Throttle Position



Cobra CM-4520-18 Motor Test Data, Kv=310

Data Collected at 22.2 volts with RC-Timer 16x5.5 CF Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.39	8.66	1,054	93.7	3.30	10.82
20%	0.93	20.56	1,731	256.5	9.04	12.48
30%	1.88	41.67	2,315	471.5	16.62	11.32
40%	3.58	79.52	2,915	800.6	28.21	10.07
50%	6.48	143.75	3,545	1231.2	43.39	8.57
60%	10.19	226.24	4,095	1683.2	59.32	7.44
70%	15.22	337.88	4,619	2205.5	77.73	6.53
80%	21.55	478.43	5,116	2771.9	97.69	5.79
90%	29.20	648.13	5,598	3305.7	116.50	5.10
100%	33.08	734.31	5,798	3604.0	127.01	4.91

Propeller Thrust vs Throttle Position



Cobra CM-4520-18 Motor Test Data, Kv=310

Data Collected at 22.2 volts with RC-Timer 16x5.5 CF Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.39	8.66	1,054	93.7	3.30	10.82
20%	0.93	20.56	1,731	256.5	9.04	12.48
30%	1.88	41.67	2,315	471.5	16.62	11.32
40%	3.58	79.52	2,915	800.6	28.21	10.07
50%	6.48	143.75	3,545	1231.2	43.39	8.57
60%	10.19	226.24	4,095	1683.2	59.32	7.44
70%	15.22	337.88	4,619	2205.5	77.73	6.53
80%	21.55	478.43	5,116	2771.9	97.69	5.79
90%	29.20	648.13	5,598	3305.7	116.50	5.10
100%	33.08	734.31	5,798	3604.0	127.01	4.91

Propeller Efficiency vs Throttle Position

