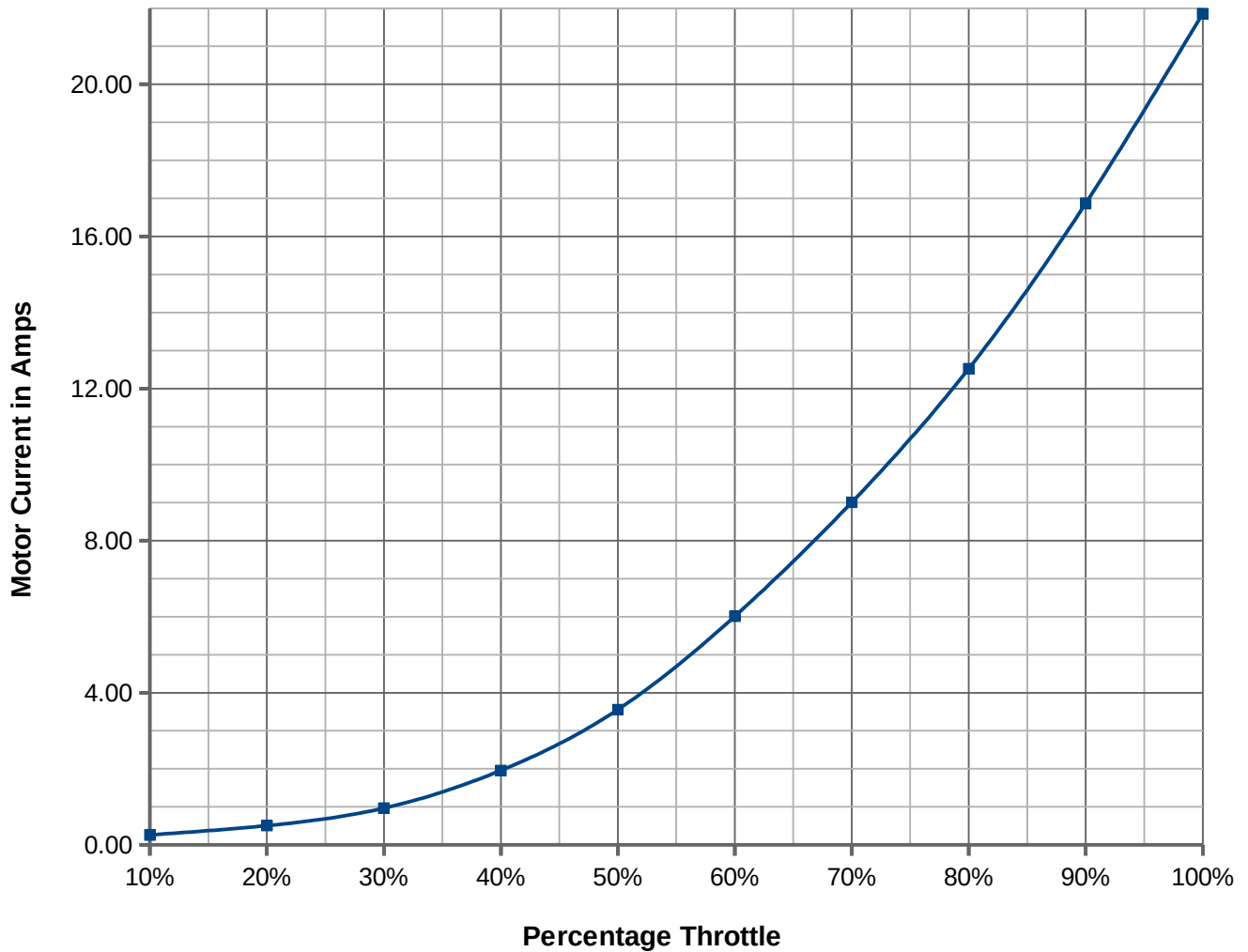


Cobra CM-4012/30 Motor Test Data, Kv=300

Data Collected at 22.2 volts with RC-Timer 15x5.5 CF Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.26	5.84	862	50.4	1.78	8.63
20%	0.51	11.23	1,456	135.8	4.79	12.09
30%	0.97	21.42	2,016	273.9	9.66	12.79
40%	1.96	43.45	2,602	479.9	16.93	11.05
50%	3.56	78.94	3,172	751.6	26.51	9.52
60%	6.01	133.47	3,718	1067.6	37.66	8.00
70%	9.01	199.96	4,155	1401.2	49.43	7.01
80%	12.53	278.06	4,554	1712.1	60.39	6.16
90%	16.87	374.58	4,928	2034.8	71.77	5.43
100%	21.86	485.31	5,262	2361.5	83.30	4.87

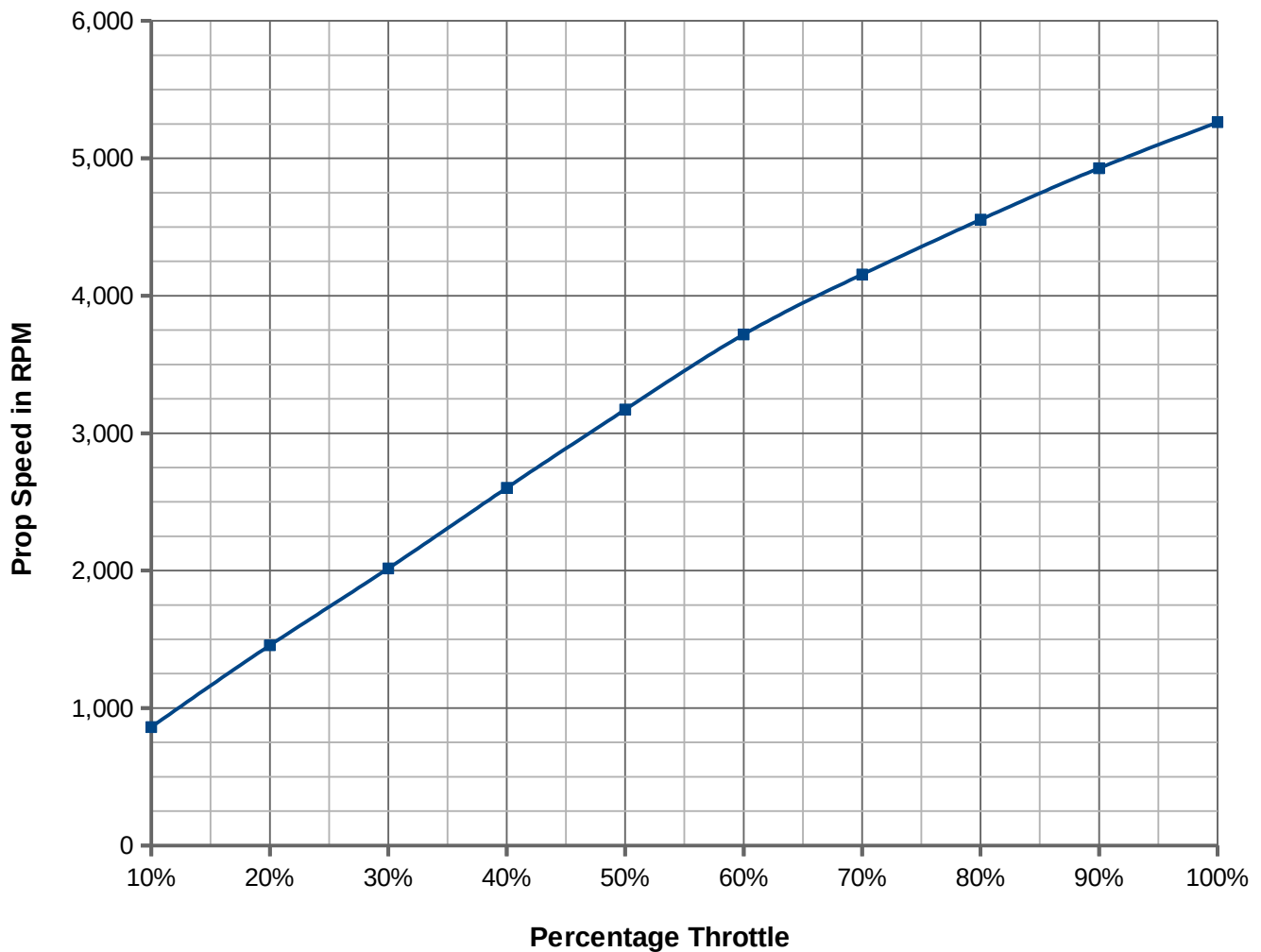
Motor Current vs Throttle Position



Cobra CM-4012/30 Motor Test Data, Kv=300

Data Collected at 22.2 volts with RC-Timer 15x5.5 CF Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.26	5.84	862	50.4	1.78	8.63
20%	0.51	11.23	1,456	135.8	4.79	12.09
30%	0.97	21.42	2,016	273.9	9.66	12.79
40%	1.96	43.45	2,602	479.9	16.93	11.05
50%	3.56	78.94	3,172	751.6	26.51	9.52
60%	6.01	133.47	3,718	1067.6	37.66	8.00
70%	9.01	199.96	4,155	1401.2	49.43	7.01
80%	12.53	278.06	4,554	1712.1	60.39	6.16
90%	16.87	374.58	4,928	2034.8	71.77	5.43
100%	21.86	485.31	5,262	2361.5	83.30	4.87

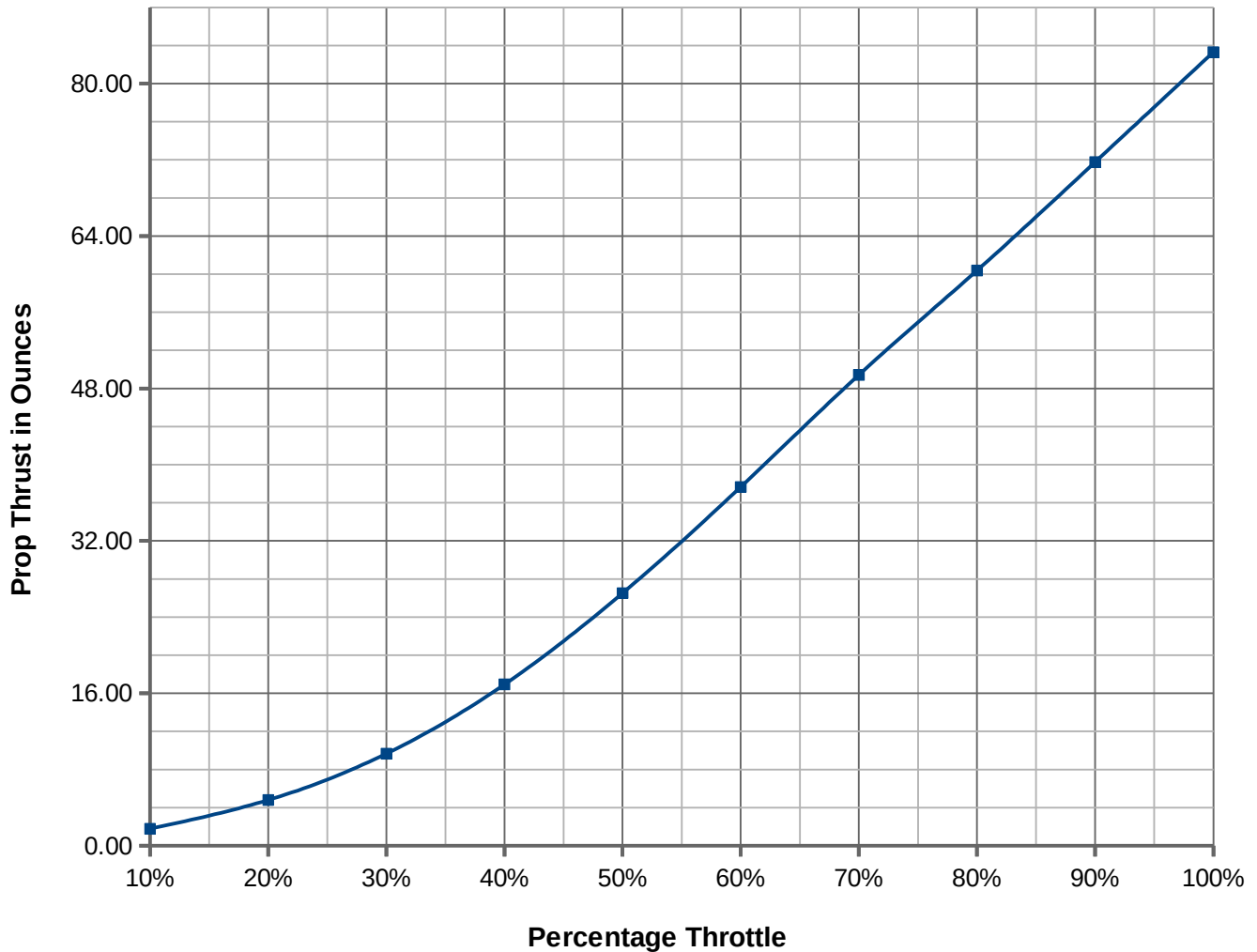
Propeller RPM vs Throttle Position



Cobra CM-4012/30 Motor Test Data, Kv=300

Data Collected at 22.2 volts with RC-Timer 15x5.5 CF Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.26	5.84	862	50.4	1.78	8.63
20%	0.51	11.23	1,456	135.8	4.79	12.09
30%	0.97	21.42	2,016	273.9	9.66	12.79
40%	1.96	43.45	2,602	479.9	16.93	11.05
50%	3.56	78.94	3,172	751.6	26.51	9.52
60%	6.01	133.47	3,718	1067.6	37.66	8.00
70%	9.01	199.96	4,155	1401.2	49.43	7.01
80%	12.53	278.06	4,554	1712.1	60.39	6.16
90%	16.87	374.58	4,928	2034.8	71.77	5.43
100%	21.86	485.31	5,262	2361.5	83.30	4.87

Propeller Thrust vs Throttle Position



Cobra CM-4012/30 Motor Test Data, Kv=300

Data Collected at 22.2 volts with RC-Timer 15x5.5 CF Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.26	5.84	862	50.4	1.78	8.63
20%	0.51	11.23	1,456	135.8	4.79	12.09
30%	0.97	21.42	2,016	273.9	9.66	12.79
40%	1.96	43.45	2,602	479.9	16.93	11.05
50%	3.56	78.94	3,172	751.6	26.51	9.52
60%	6.01	133.47	3,718	1067.6	37.66	8.00
70%	9.01	199.96	4,155	1401.2	49.43	7.01
80%	12.53	278.06	4,554	1712.1	60.39	6.16
90%	16.87	374.58	4,928	2034.8	71.77	5.43
100%	21.86	485.31	5,262	2361.5	83.30	4.87

Propeller Efficiency vs Throttle Position

