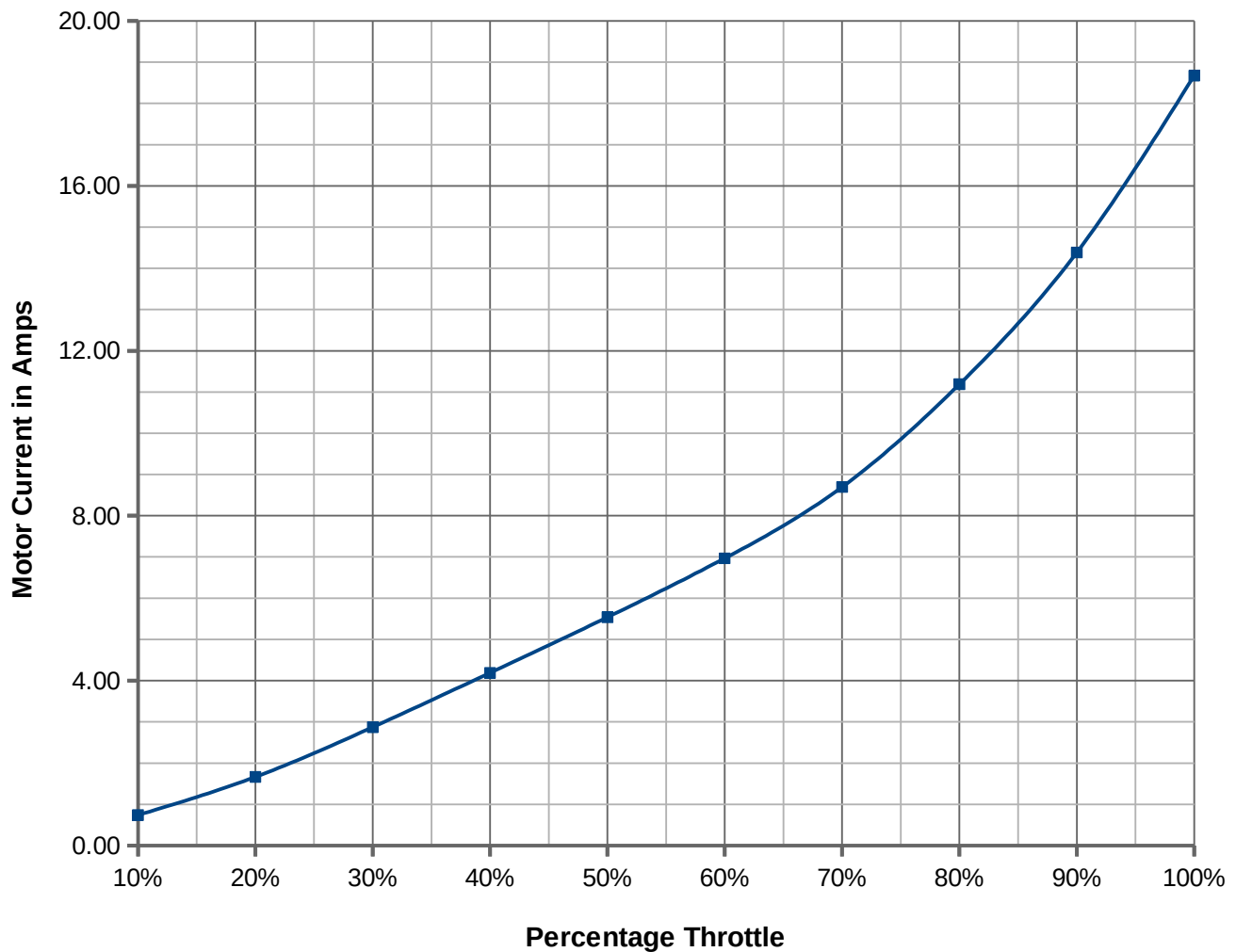


Cobra CM-2205-2300 Champion Motor Test Data

Data Collected at 18.5 volts with HQ 4x4 Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.74	13.67	8,716	53.6	1.89	3.92
20%	1.67	30.82	12,633	117.5	4.14	3.81
30%	2.87	53.13	16,082	186.6	6.58	3.51
40%	4.19	77.52	18,902	256.3	9.04	3.31
50%	5.54	102.45	21,326	321.5	11.34	3.14
60%	6.97	128.89	23,493	387.0	13.65	3.00
70%	8.70	160.86	25,862	465.6	16.42	2.89
80%	11.19	207.03	28,807	567.7	20.02	2.74
90%	14.39	266.12	32,169	699.6	24.68	2.63
100%	18.67	345.41	35,835	855.1	30.16	2.48

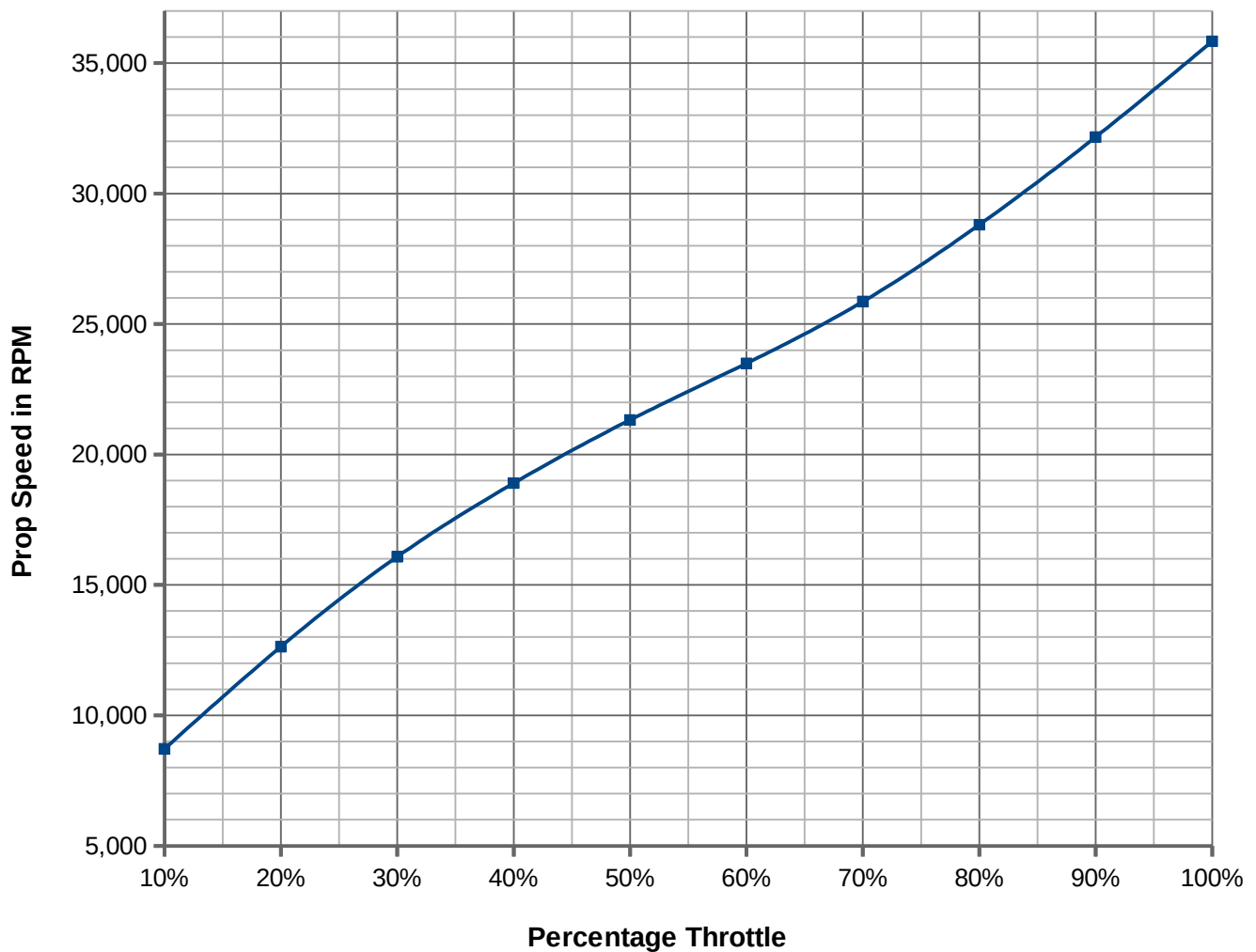
Motor Current vs Throttle Position



Cobra CM-2205-2300 Champion Motor Test Data

Data Collected at 18.5 volts with HQ 4x4 Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.74	13.67	8,716	53.6	1.89	3.92
20%	1.67	30.82	12,633	117.5	4.14	3.81
30%	2.87	53.13	16,082	186.6	6.58	3.51
40%	4.19	77.52	18,902	256.3	9.04	3.31
50%	5.54	102.45	21,326	321.5	11.34	3.14
60%	6.97	128.89	23,493	387.0	13.65	3.00
70%	8.70	160.86	25,862	465.6	16.42	2.89
80%	11.19	207.03	28,807	567.7	20.02	2.74
90%	14.39	266.12	32,169	699.6	24.68	2.63
100%	18.67	345.41	35,835	855.1	30.16	2.48

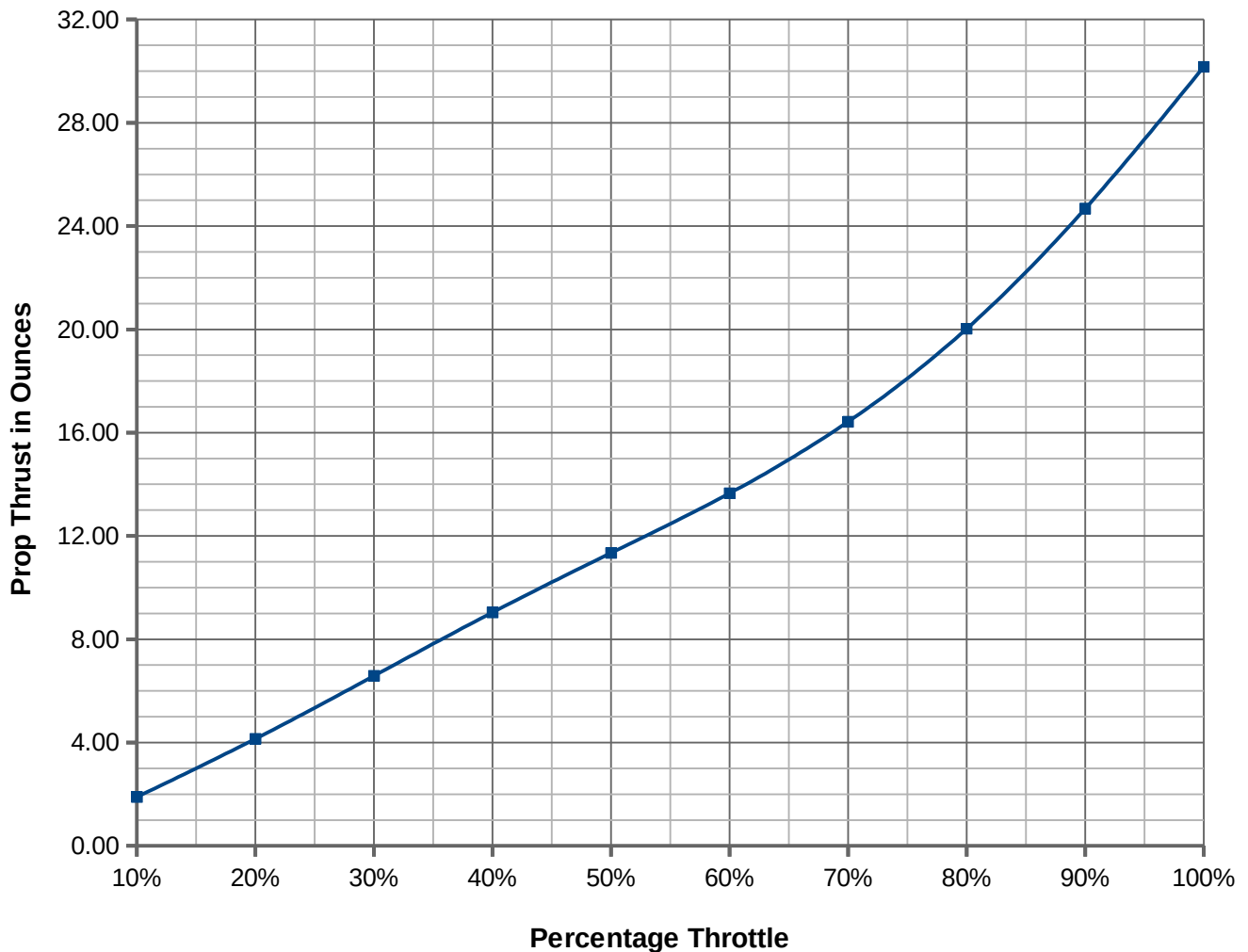
Propeller RPM vs Throttle Position



Cobra CM-2205-2300 Champion Motor Test Data

Data Collected at 18.5 volts with HQ 4x4 Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.74	13.67	8,716	53.6	1.89	3.92
20%	1.67	30.82	12,633	117.5	4.14	3.81
30%	2.87	53.13	16,082	186.6	6.58	3.51
40%	4.19	77.52	18,902	256.3	9.04	3.31
50%	5.54	102.45	21,326	321.5	11.34	3.14
60%	6.97	128.89	23,493	387.0	13.65	3.00
70%	8.70	160.86	25,862	465.6	16.42	2.89
80%	11.19	207.03	28,807	567.7	20.02	2.74
90%	14.39	266.12	32,169	699.6	24.68	2.63
100%	18.67	345.41	35,835	855.1	30.16	2.48

Propeller Thrust vs Throttle Position



Cobra CM-2205-2300 Champion Motor Test Data

Data Collected at 18.5 volts with HQ 4x4 Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.74	13.67	8,716	53.6	1.89	3.92
20%	1.67	30.82	12,633	117.5	4.14	3.81
30%	2.87	53.13	16,082	186.6	6.58	3.51
40%	4.19	77.52	18,902	256.3	9.04	3.31
50%	5.54	102.45	21,326	321.5	11.34	3.14
60%	6.97	128.89	23,493	387.0	13.65	3.00
70%	8.70	160.86	25,862	465.6	16.42	2.89
80%	11.19	207.03	28,807	567.7	20.02	2.74
90%	14.39	266.12	32,169	699.6	24.68	2.63
100%	18.67	345.41	35,835	855.1	30.16	2.48

Propeller Efficiency vs Throttle Position

