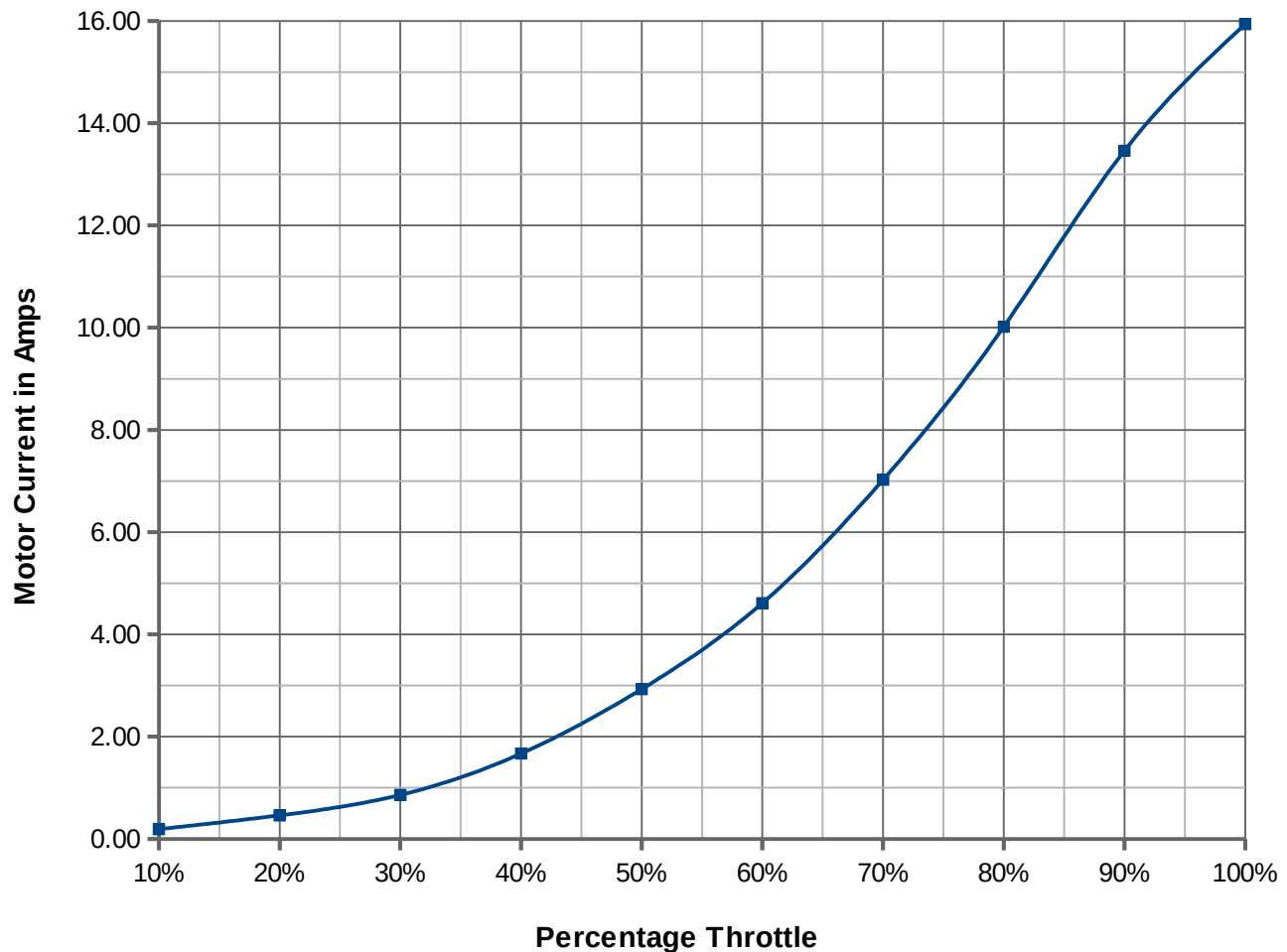


Cobra CM-2814/36 Motor Test Data, Kv=470

Data Collected at 22.2 volts with RC-Timer 12x5.5-CF Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.19	4.22	1,546	62.4	2.20	14.79
20%	0.46	10.23	2,321	144.3	5.09	14.10
30%	0.86	19.09	2,948	233.9	8.24	12.25
40%	1.67	37.05	3,736	388.0	13.67	10.47
50%	2.93	65.05	4,520	584.0	20.58	8.98
60%	4.61	102.41	5,239	796.6	28.07	7.78
70%	7.03	155.96	5,925	1062.3	37.44	6.81
80%	10.02	222.42	6,586	1335.5	47.07	6.00
90%	13.46	298.88	7,185	1572.8	55.43	5.26
100%	15.94	353.82	7,505	1760.7	62.05	4.98

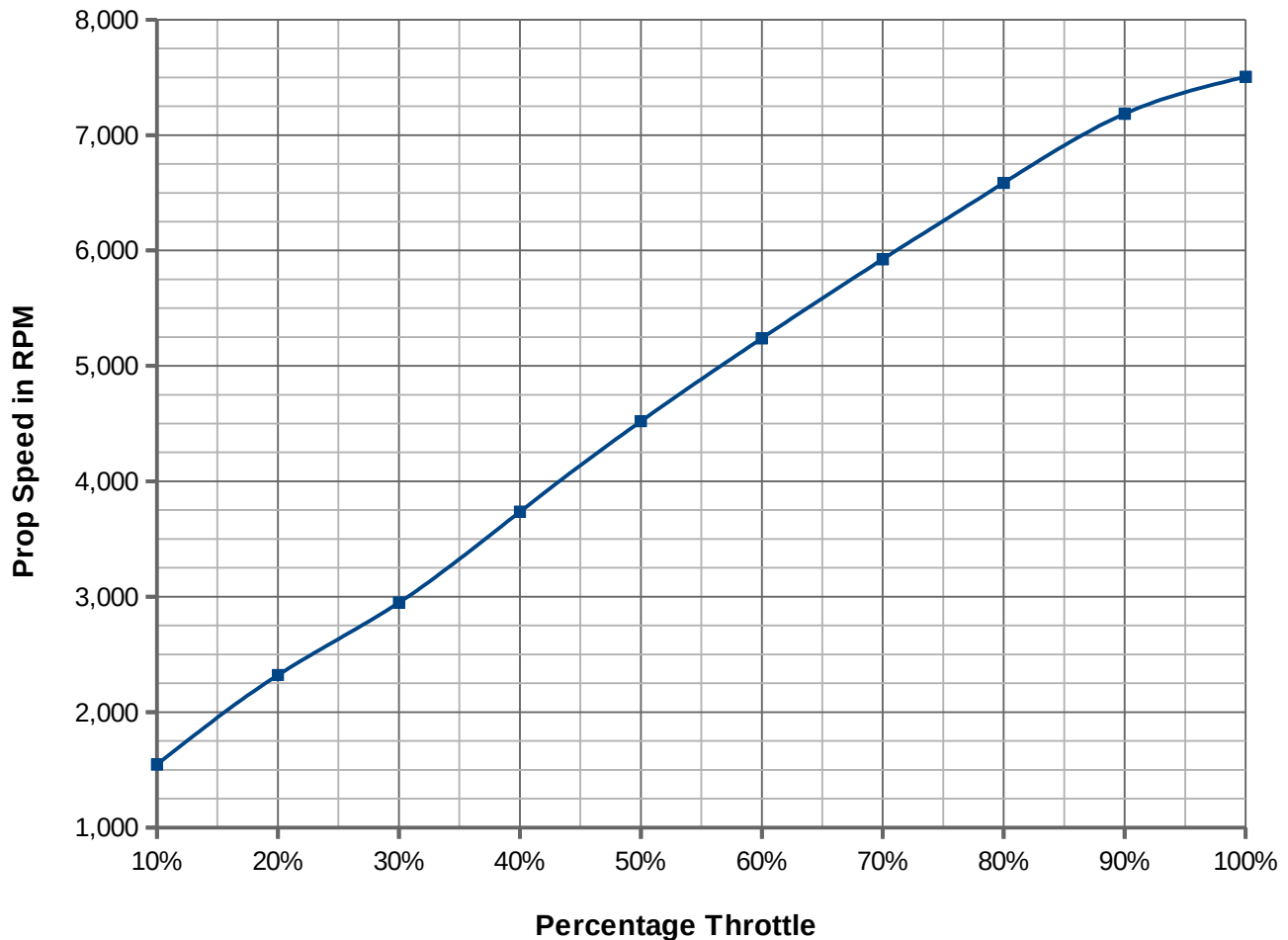
Motor Current vs Throttle Position



Cobra CM-2814/36 Motor Test Data, Kv=470

Data Collected at 22.2 volts with RC-Timer 12x5.5-CF Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.19	4.22	1,546	62.4	2.20	14.79
20%	0.46	10.23	2,321	144.3	5.09	14.10
30%	0.86	19.09	2,948	233.9	8.24	12.25
40%	1.67	37.05	3,736	388.0	13.67	10.47
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80%	10.02	222.42	6,586	1335.5	47.07	6.00
90%	13.46	298.88	7,185	1572.8	55.43	5.26
100%	15.94	353.82	7,505	1760.7	62.05	4.98

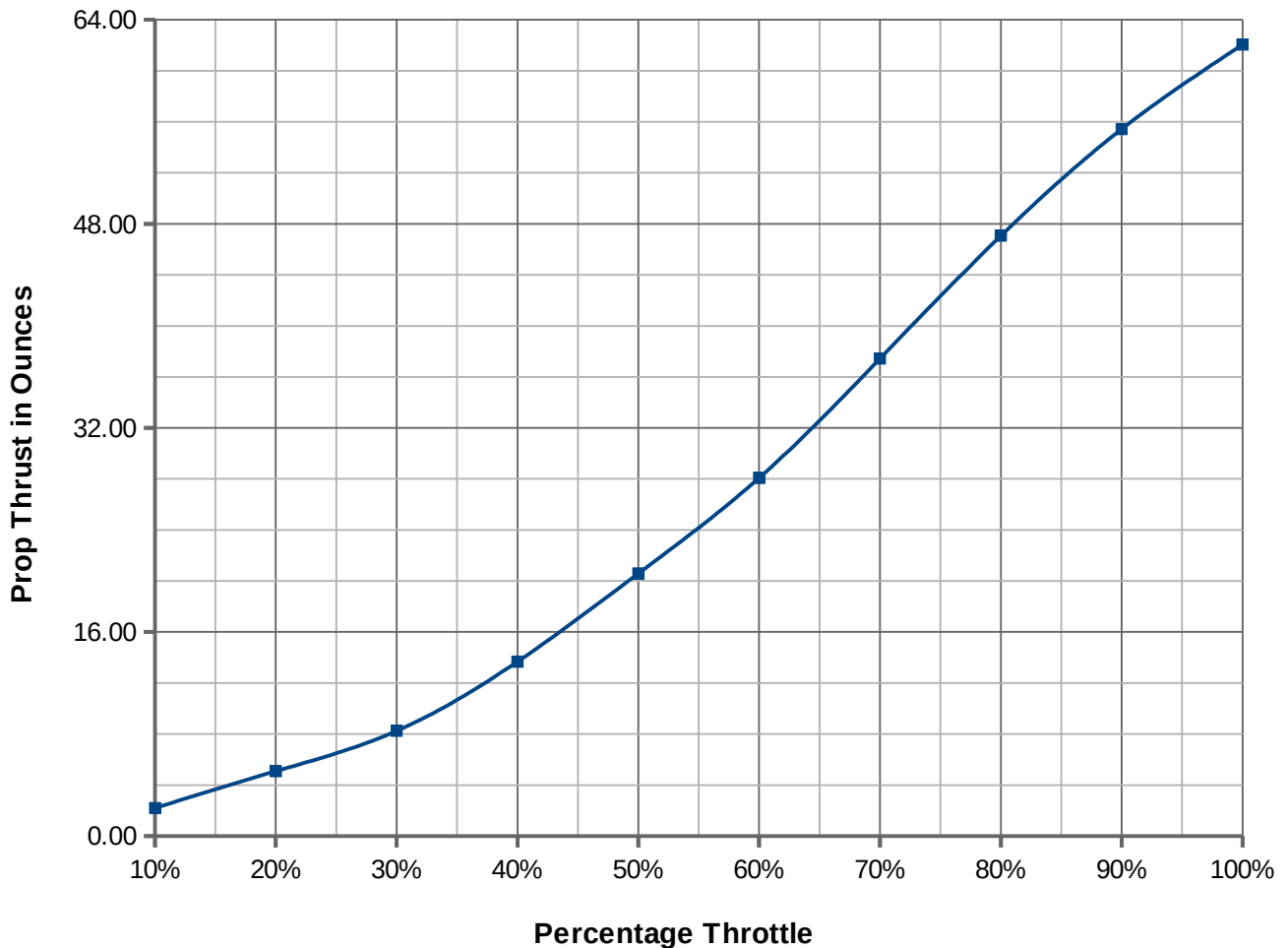
Propeller RPM vs Throttle Position



Cobra CM-2814/36 Motor Test Data, Kv=470

Data Collected at 22.2 volts with RC-Timer 12x5.5-CF Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.19	4.22	1,546	62.4	2.20	14.79
20%	0.46	10.23	2,321	144.3	5.09	14.10
30%	0.86	19.09	2,948	233.9	8.24	12.25
40%	1.67	37.05	3,736	388.0	13.67	10.47
50%	2.93	65.05	4,520	584.0	20.58	8.98
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70%	7.03	155.96	5,925	1062.3	37.44	6.81
80%	10.02	222.42	6,586	1335.5	47.07	6.00
90%	13.46	298.88	7,185	1572.8	55.43	5.26
100%	15.94	353.82	7,505	1760.7	62.05	4.98

Propeller Thrust vs Throttle Position



Cobra CM-2814/36 Motor Test Data, Kv=470

Data Collected at 22.2 volts with RC-Timer 12x5.5-CF Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.19	4.22	1,546	62.4	2.20	14.79
20%	0.46	10.23	2,321	144.3	5.09	14.10
30%	0.86	19.09	2,948	233.9	8.24	12.25
40%	1.67	37.05	3,736	388.0	13.67	10.47
50%	2.93	65.05	4,520	584.0	20.58	8.98
60%	4.61	102.41	5,239	796.6	28.07	7.78
70%	7.03	155.96	5,925	1062.3	37.44	6.81
80%	10.02	222.42	6,586	1335.5	47.07	6.00
90%	13.46	298.88	7,185	1572.8	55.43	5.26
100%	15.94	353.82	7,505	1760.7	62.05	4.98

Propeller Efficiency vs Throttle Position

