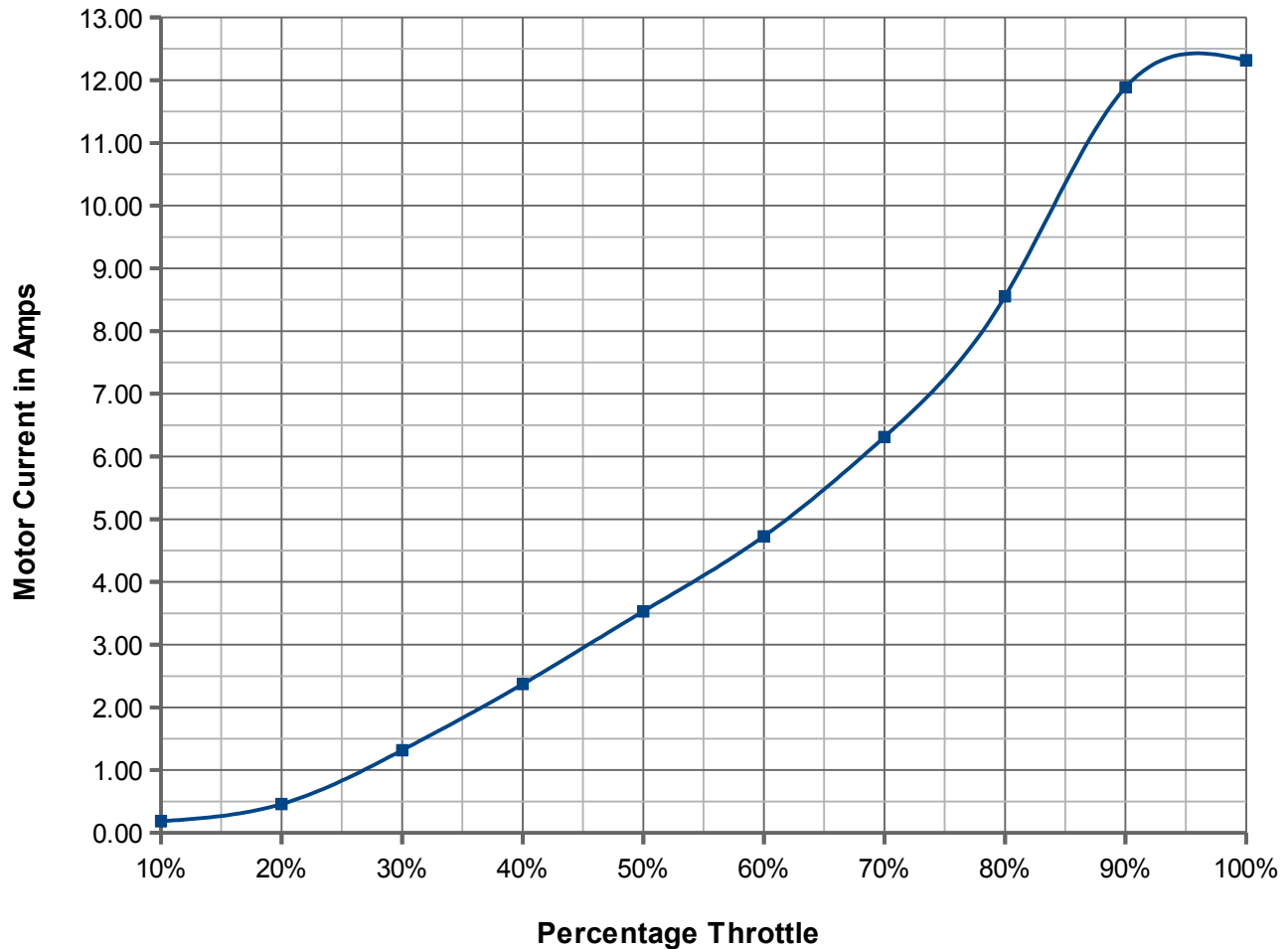


Cobra 2204/32 Motor Test Data, Kv=1960

Data Collected at 11.1 volts with APC 6x4 Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.19	2.05	2,992	22.1	0.78	10.76
20%	0.46	5.11	4,606	42.3	1.49	8.28
30%	1.32	14.62	7,051	91.3	3.22	6.25
40%	2.37	26.33	8,834	150.0	5.29	5.70
50%	3.53	39.19	10,210	206.8	7.29	5.28
60%	4.73	52.48	11,383	261.5	9.22	4.98
70%	6.31	70.05	12,722	335.7	11.83	4.79
80%	8.55	94.93	14,028	413.1	14.56	4.35
90%	11.89	131.93	15,620	519.9	18.32	3.94
100%	12.32	136.72	15,797	534.2	18.83	3.91

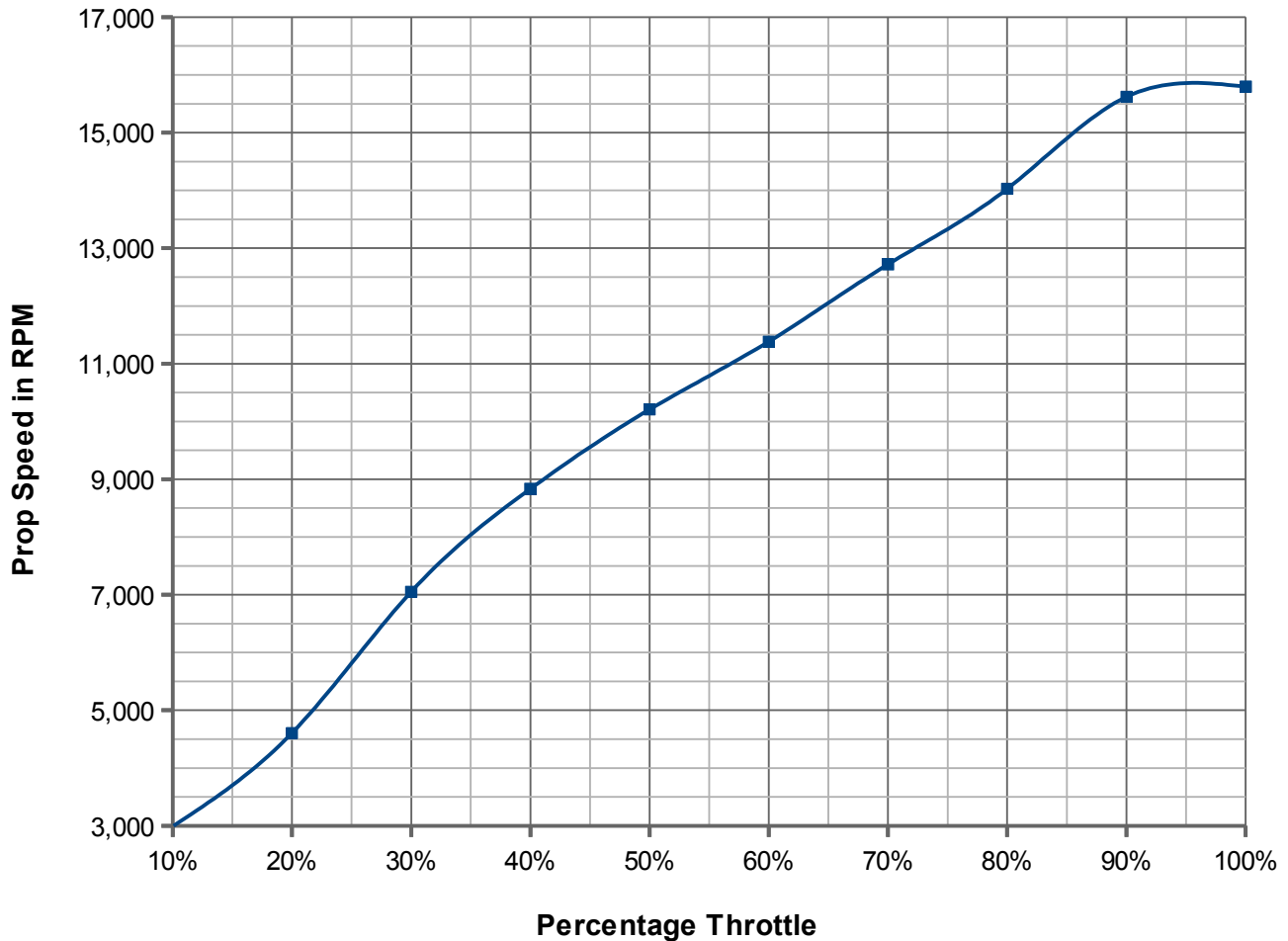
Motor Current vs Throttle Position



Cobra 2204/32 Motor Test Data, Kv=1960

Data Collected at 11.1 volts with APC 6x4 Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.19	2.05	2,992	22.1	0.78	10.76
20%	0.46	5.11	4,606	42.3	1.49	8.28
30%	1.32	14.62	7,051	91.3	3.22	6.25
40%	2.37	26.33	8,834	150.0	5.29	5.70
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70%	6.31	70.05	12,722	335.7	11.83	4.79
80%	8.55	94.93	14,028	413.1	14.56	4.35
90%	11.89	131.93	15,620	519.9	18.32	3.94
100%	12.32	136.72	15,797	534.2	18.83	3.91

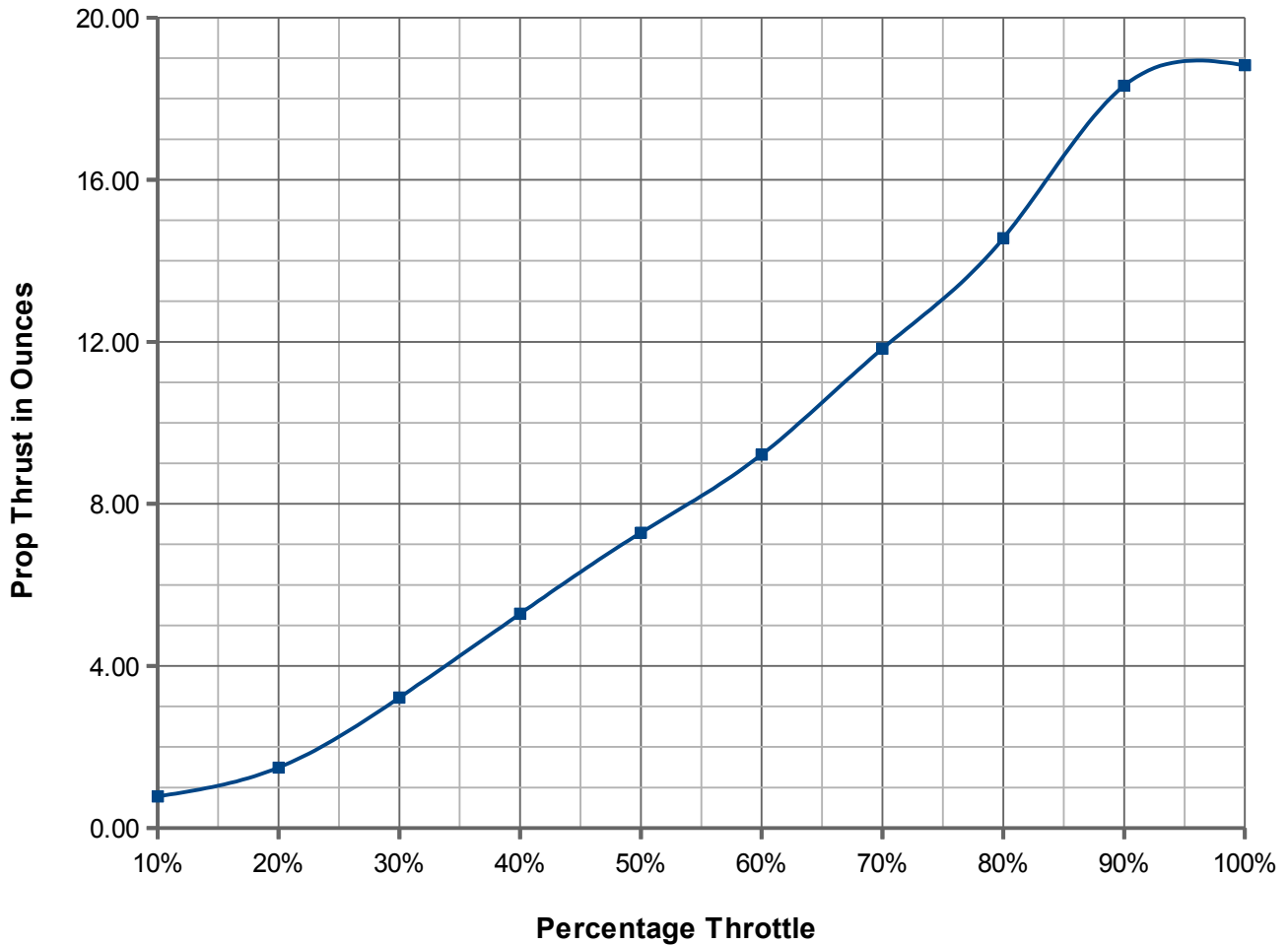
Propeller RPM vs Throttle Position



Cobra 2204/32 Motor Test Data, Kv=1960

Data Collected at 11.1 volts with APC 6x4 Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.19	2.05	2,992	22.1	0.78	10.76
20%	0.46	5.11	4,606	42.3	1.49	8.28
30%	1.32	14.62	7,051	91.3	3.22	6.25
40%	2.37	26.33	8,834	150.0	5.29	5.70
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70%	6.31	70.05	12,722	335.7	11.83	4.79
80%	8.55	94.93	14,028	413.1	14.56	4.35
90%	11.89	131.93	15,620	519.9	18.32	3.94
100%	12.32	136.72	15,797	534.2	18.83	3.91

Propeller Thrust vs Throttle Position



Cobra 2204/32 Motor Test Data, Kv=1960

Data Collected at 11.1 volts with APC 6x4 Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.19	2.05	2,992	22.1	0.78	10.76
20%	0.46	5.11	4,606	42.3	1.49	8.28
30%	1.32	14.62	7,051	91.3	3.22	6.25
40%	2.37	26.33	8,834	150.0	5.29	5.70
50%	3.53	39.19	10,210	206.8	7.29	5.28
60%	4.73	52.48	11,383	261.5	9.22	4.98
70%	6.31	70.05	12,722	335.7	11.83	4.79
80%	8.55	94.93	14,028	413.1	14.56	4.35
90%	11.89	131.93	15,620	519.9	18.32	3.94
100%	12.32	136.72	15,797	534.2	18.83	3.91

Propeller Efficiency vs Throttle Position

