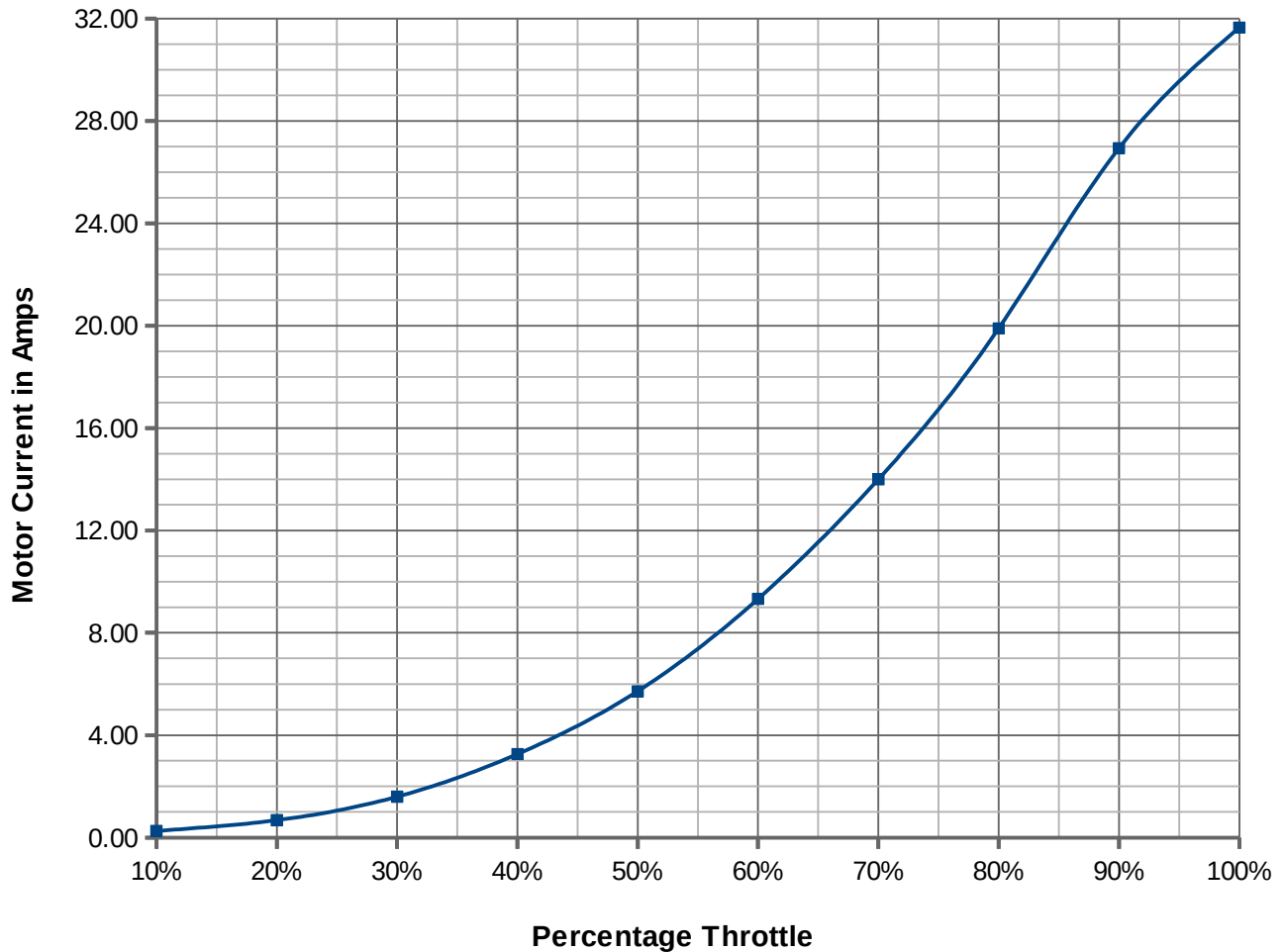


Cobra CM-3515-20 Motor Test Data, Kv=650

Data Collected at 18.5 volts with RC-Timer 12x5.5-CF Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.26	4.83	1,525	58.5	2.06	12.12
20%	0.68	12.58	2,421	154.9	5.46	12.31
30%	1.60	29.54	3,392	314.1	11.07	10.63
40%	3.26	60.37	4,388	540.1	19.03	8.95
50%	5.72	105.80	5,263	806.9	28.44	7.63
60%	9.32	172.49	6,111	1141.5	40.23	6.62
70%	14.00	258.98	6,925	1487.8	52.43	5.74
80%	19.90	368.08	7,666	1839.5	64.83	5.00
90%	26.94	498.39	8,306	2216.8	78.13	4.45
100%	31.65	585.56	8,652	2446.0	86.20	4.18

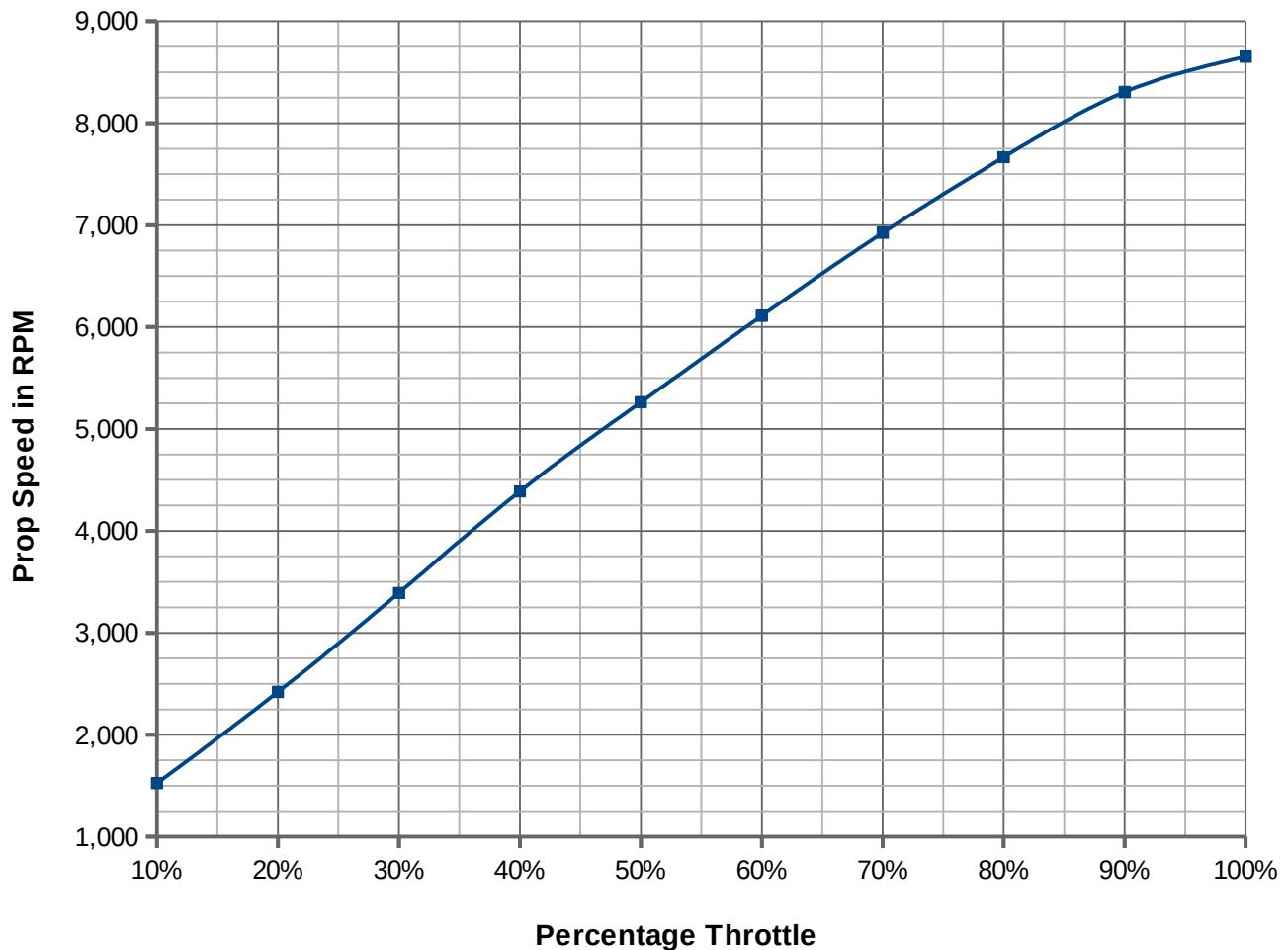
Motor Current vs Throttle Position



Cobra CM-3515-20 Motor Test Data, Kv=650

Data Collected at 18.5 volts with RC-Timer 12x5.5-CF Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.26	4.83	1,525	58.5	2.06	12.12
20%	0.68	12.58	2,421	154.9	5.46	12.31
30%	1.60	29.54	3,392	314.1	11.07	10.63
40%	3.26	60.37	4,388	540.1	19.03	8.95
50%	5.72	105.80	5,263	806.9	28.44	7.63
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70%	14.00	258.98	6,925	1487.8	52.43	5.74
80%	19.90	368.08	7,666	1839.5	64.83	5.00
90%	26.94	498.39	8,306	2216.8	78.13	4.45
100%	31.65	585.56	8,652	2446.0	86.20	4.18

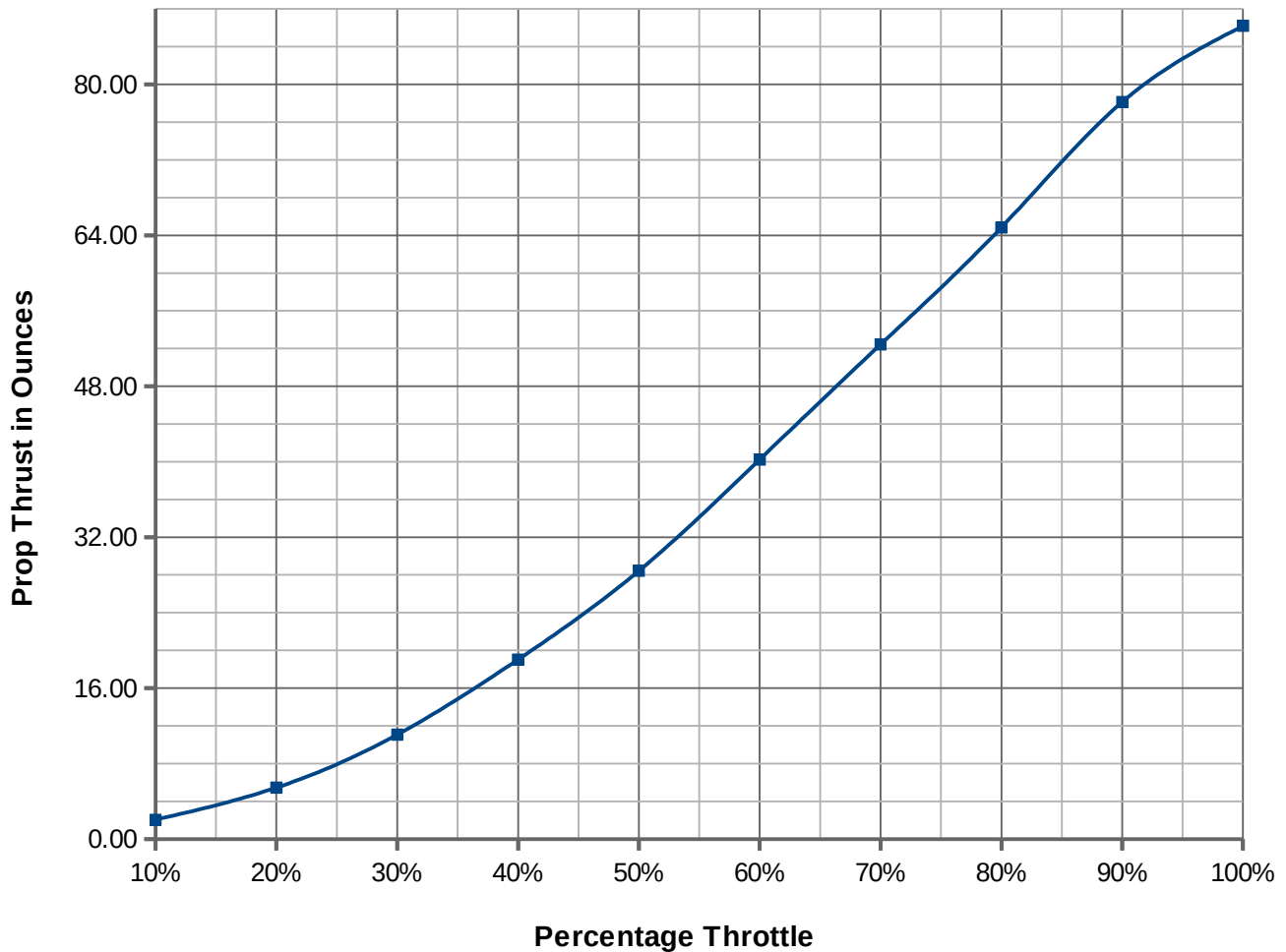
Propeller RPM vs Throttle Position



Cobra CM-3515-20 Motor Test Data, Kv=650

Data Collected at 18.5 volts with RC-Timer 12x5.5-CF Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.26	4.83	1,525	58.5	2.06	12.12
20%	0.68	12.58	2,421	154.9	5.46	12.31
30%	1.60	29.54	3,392	314.1	11.07	10.63
40%	3.26	60.37	4,388	540.1	19.03	8.95
50%	5.72	105.80	5,263	806.9	28.44	7.63
60%	9.32	172.49	6,111	1141.5	40.23	6.62
70%	14.00	258.98	6,925	1487.8	52.43	5.74
80%	19.90	368.08	7,666	1839.5	64.83	5.00
90%	26.94	498.39	8,306	2216.8	78.13	4.45
100%	31.65	585.56	8,652	2446.0	86.20	4.18

Propeller Thrust vs Throttle Position



Cobra CM-3515-20 Motor Test Data, Kv=650

Data Collected at 18.5 volts with RC-Timer 12x5.5-CF Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.26	4.83	1,525	58.5	2.06	12.12
20%	0.68	12.58	2,421	154.9	5.46	12.31
30%	1.60	29.54	3,392	314.1	11.07	10.63
40%	3.26	60.37	4,388	540.1	19.03	8.95
50%	5.72	105.80	5,263	806.9	28.44	7.63
60%	9.32	172.49	6,111	1141.5	40.23	6.62
70%	14.00	258.98	6,925	1487.8	52.43	5.74
80%	19.90	368.08	7,666	1839.5	64.83	5.00
90%	26.94	498.39	8,306	2216.8	78.13	4.45
100%	31.65	585.56	8,652	2446.0	86.20	4.18

Propeller Efficiency vs Throttle Position

