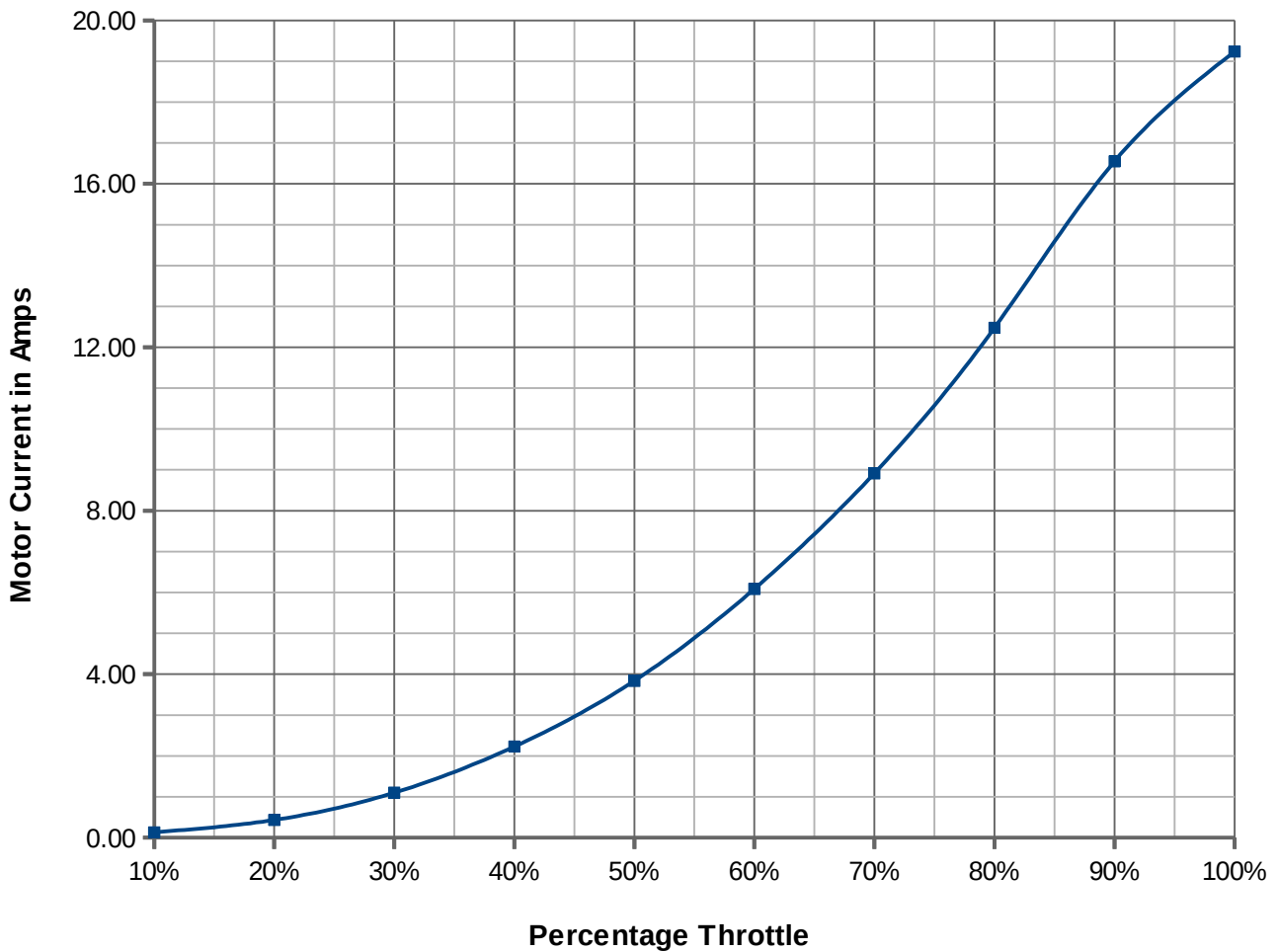


Cobra CM-3515-34 Motor Test Data, Kv=385

Data Collected at 18.5 volts with APC 18x5.5-MR Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.13	2.42	690	40.2	1.42	16.59
20%	0.43	8.01	1,304	149.1	5.25	18.61
30%	1.10	20.35	1,889	329.3	11.61	16.18
40%	2.23	41.24	2,422	564.8	19.90	13.70
50%	3.84	71.00	2,915	841.3	29.65	11.85
60%	6.09	112.61	3,374	1176.6	41.47	10.45
70%	8.92	164.95	3,811	1516.8	53.46	9.20
80%	12.48	230.82	4,200	1913.8	67.45	8.29
90%	16.55	306.19	4,586	2255.0	79.47	7.36
100%	19.24	355.90	4,788	2459.4	86.67	6.91

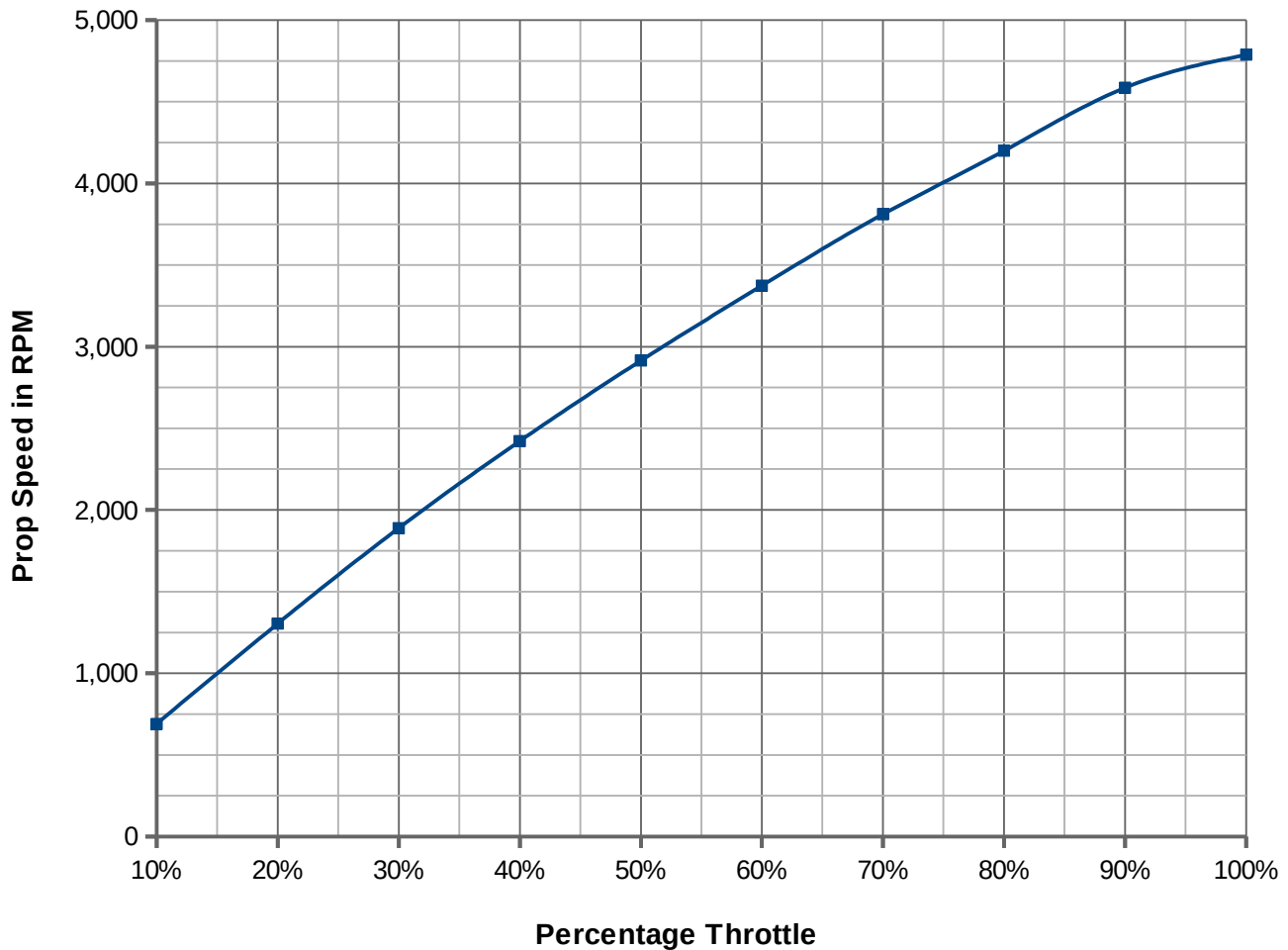
Motor Current vs Throttle Position



Cobra CM-3515-34 Motor Test Data, Kv=385

Data Collected at 18.5 volts with APC 18x5.5-MR Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.13	2.42	690	40.2	1.42	16.59
20%	0.43	8.01	1,304	149.1	5.25	18.61
30%	1.10	20.35	1,889	329.3	11.61	16.18
40%	2.23	41.24	2,422	564.8	19.90	13.70
50%	3.84	71.00	2,915	841.3	29.65	11.85
60%	6.09	112.61	3,374	1176.6	41.47	10.45
70%	8.92	164.95	3,811	1516.8	53.46	9.20
80%	12.48	230.82	4,200	1913.8	67.45	8.29
90%	16.55	306.19	4,586	2255.0	79.47	7.36
100%	19.24	355.90	4,788	2459.4	86.67	6.91

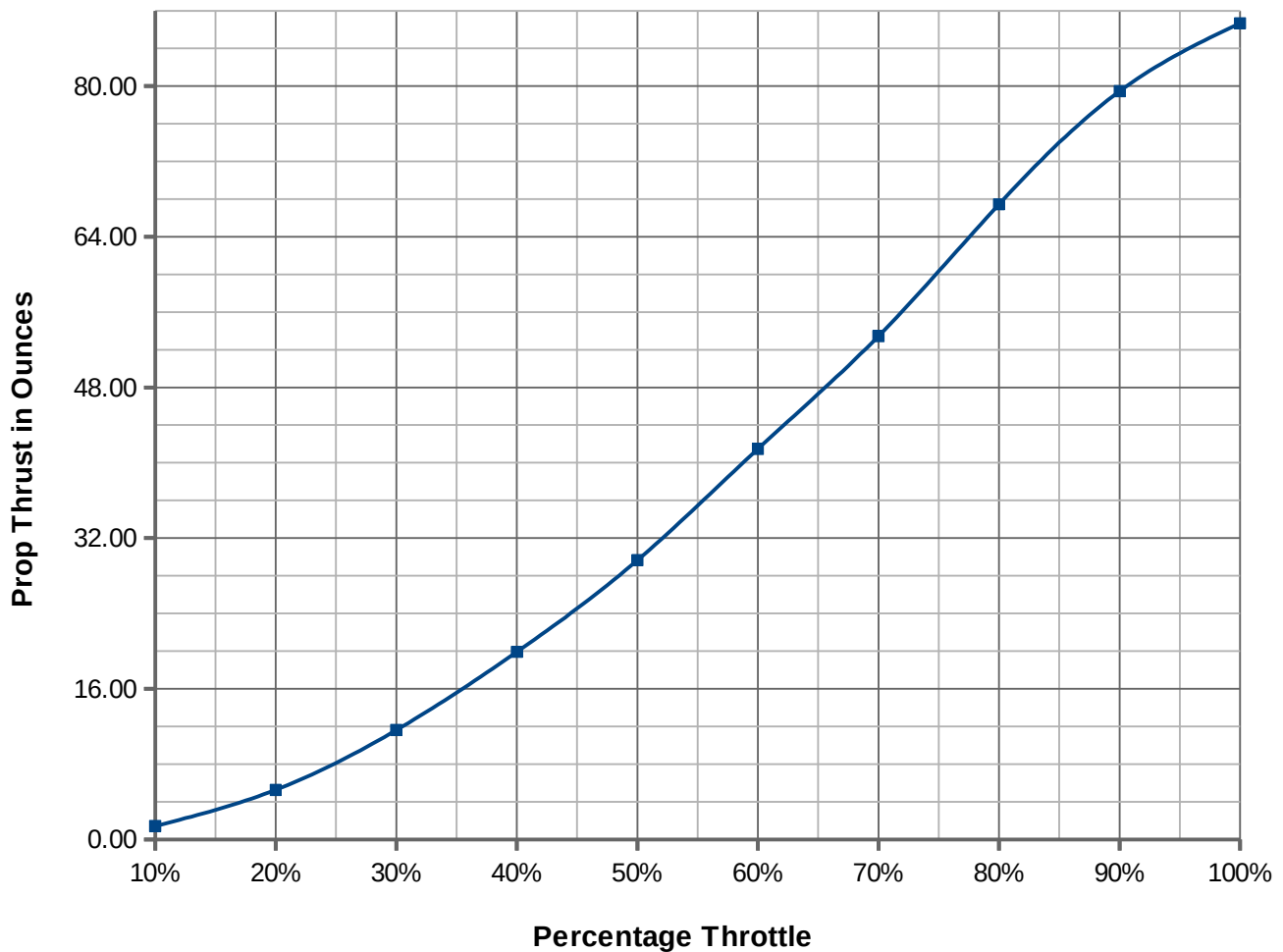
Propeller RPM vs Throttle Position



Cobra CM-3515-34 Motor Test Data, Kv=385

Data Collected at 18.5 volts with APC 18x5.5-MR Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.13	2.42	690	40.2	1.42	16.59
20%	0.43	8.01	1,304	149.1	5.25	18.61
30%	1.10	20.35	1,889	329.3	11.61	16.18
40%	2.23	41.24	2,422	564.8	19.90	13.70
50%	3.84	71.00	2,915	841.3	29.65	11.85
60%	6.09	112.61	3,374	1176.6	41.47	10.45
70%	8.92	164.95	3,811	1516.8	53.46	9.20
80%	12.48	230.82	4,200	1913.8	67.45	8.29
90%	16.55	306.19	4,586	2255.0	79.47	7.36
100%	19.24	355.90	4,788	2459.4	86.67	6.91

Propeller Thrust vs Throttle Position



Cobra CM-3515-34 Motor Test Data, Kv=385

Data Collected at 18.5 volts with APC 18x5.5-MR Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.13	2.42	690	40.2	1.42	16.59
20%	0.43	8.01	1,304	149.1	5.25	18.61
30%	1.10	20.35	1,889	329.3	11.61	16.18
40%	2.23	41.24	2,422	564.8	19.90	13.70
50%	3.84	71.00	2,915	841.3	29.65	11.85
60%	6.09	112.61	3,374	1176.6	41.47	10.45
70%	8.92	164.95	3,811	1516.8	53.46	9.20
80%	12.48	230.82	4,200	1913.8	67.45	8.29
90%	16.55	306.19	4,586	2255.0	79.47	7.36
100%	19.24	355.90	4,788	2459.4	86.67	6.91

Propeller Efficiency vs Throttle Position

