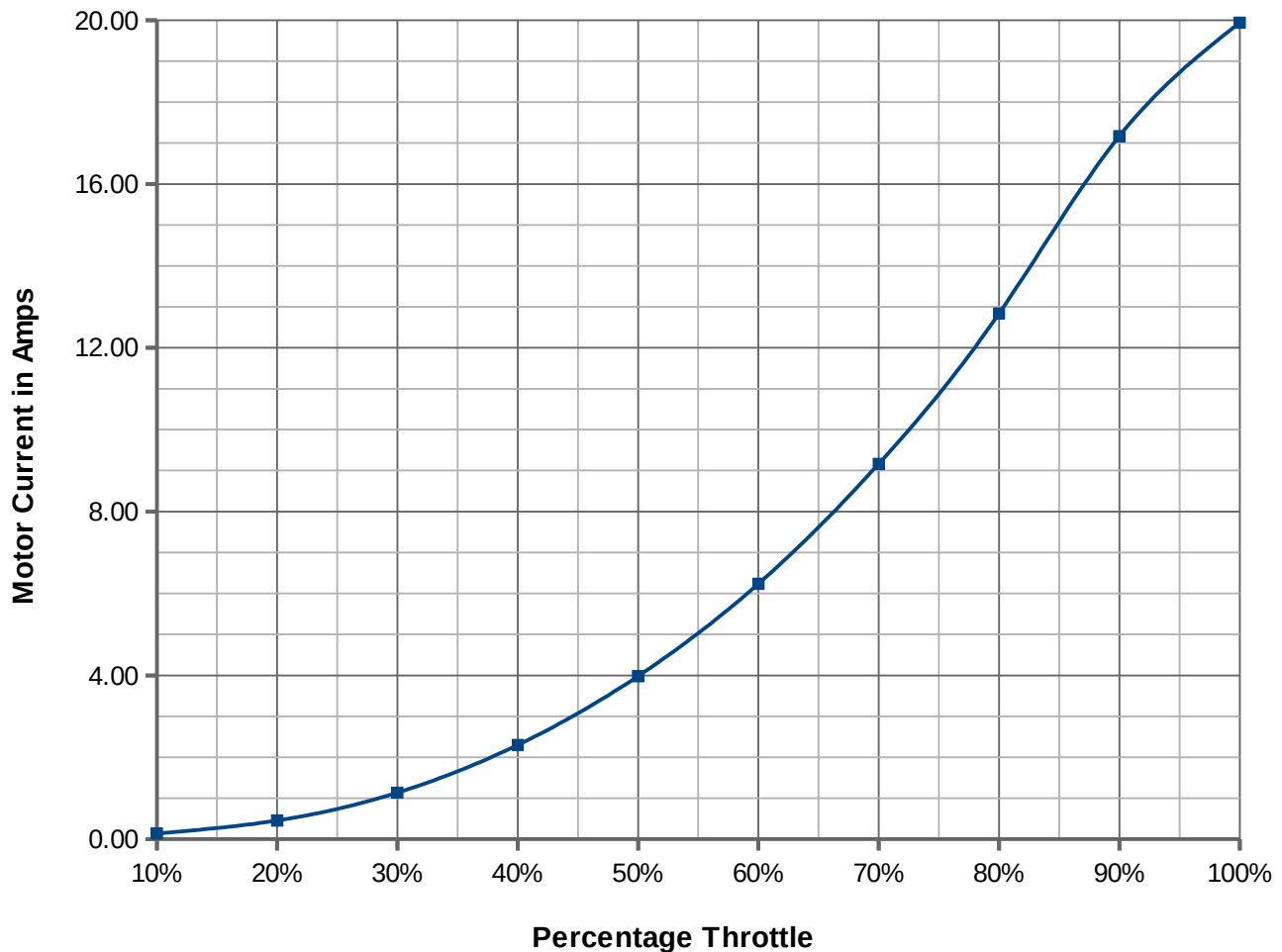


Cobra CM-3515-34 Motor Test Data, Kv=385

Data Collected at 22.2 volts with APC 16x5.5-MR Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.14	3.13	892	51.8	1.83	16.55
20%	0.46	10.12	1,625	174.1	6.14	17.20
30%	1.14	25.24	2,328	368.3	12.98	14.59
40%	2.30	51.08	2,978	633.1	22.31	12.39
50%	3.98	88.36	3,581	936.5	33.00	10.60
60%	6.24	138.44	4,143	1280.1	45.11	9.25
70%	9.16	203.40	4,676	1659.9	58.50	8.16
80%	12.84	285.00	5,165	2077.4	73.21	7.29
90%	17.17	381.13	5,619	2502.8	88.20	6.57
100%	19.94	442.69	5,861	2702.3	95.24	6.10

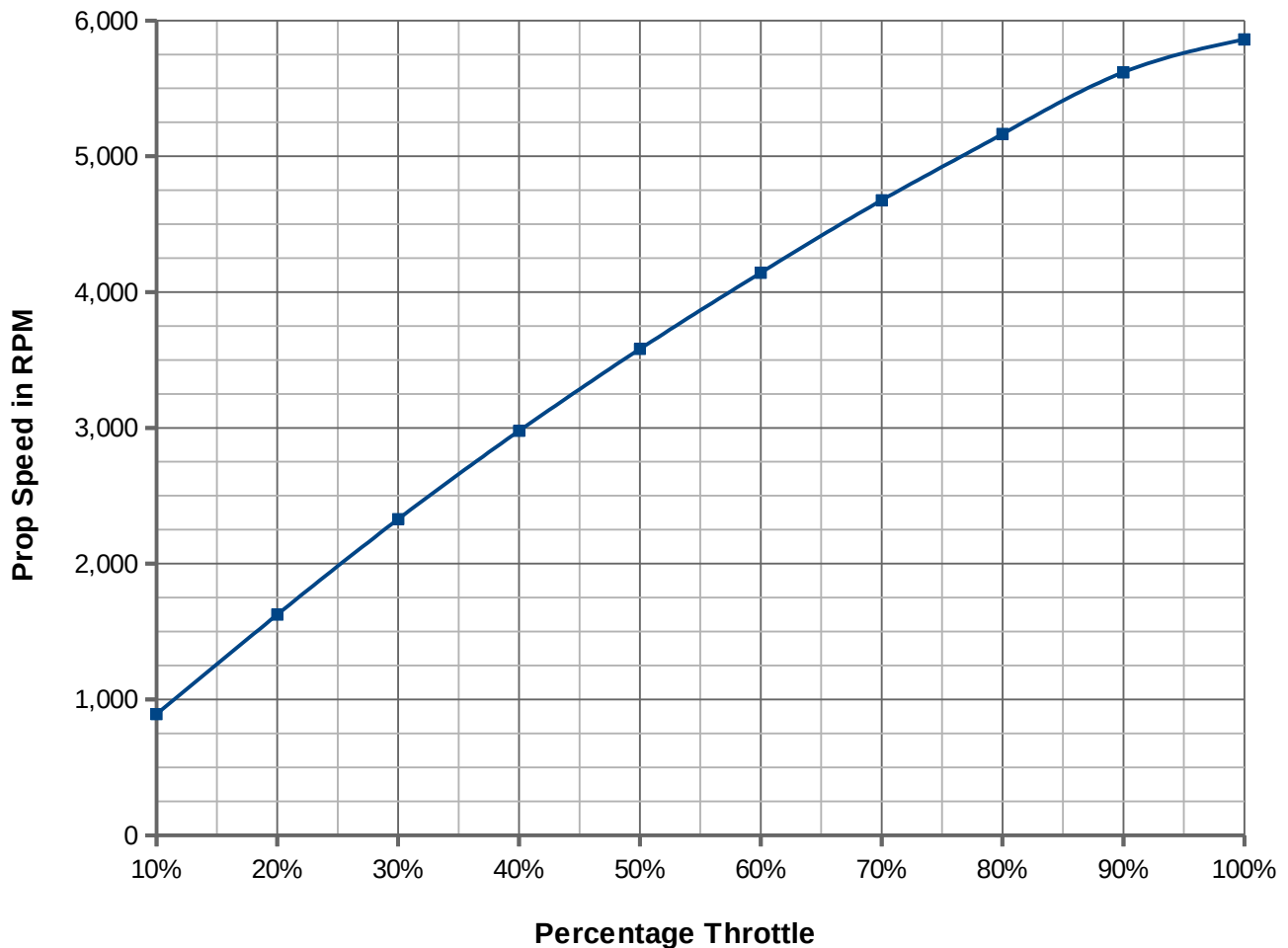
Motor Current vs Throttle Position



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

Data Collected at 22.2 volts with APC 16x5.5-MR Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.14	3.13	892	51.8	1.83	16.55
20%	0.46	10.12	1,625	174.1	6.14	17.20
30%	1.14	25.24	2,328	368.3	12.98	14.59
40%	2.30	51.08	2,978	633.1	22.31	12.39
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80%	12.84	285.00	5,165	2077.4	73.21	7.29
90%	17.17	381.13	5,619	2502.8	88.20	6.57
100%	19.94	442.69	5,861	2702.3	95.24	6.10

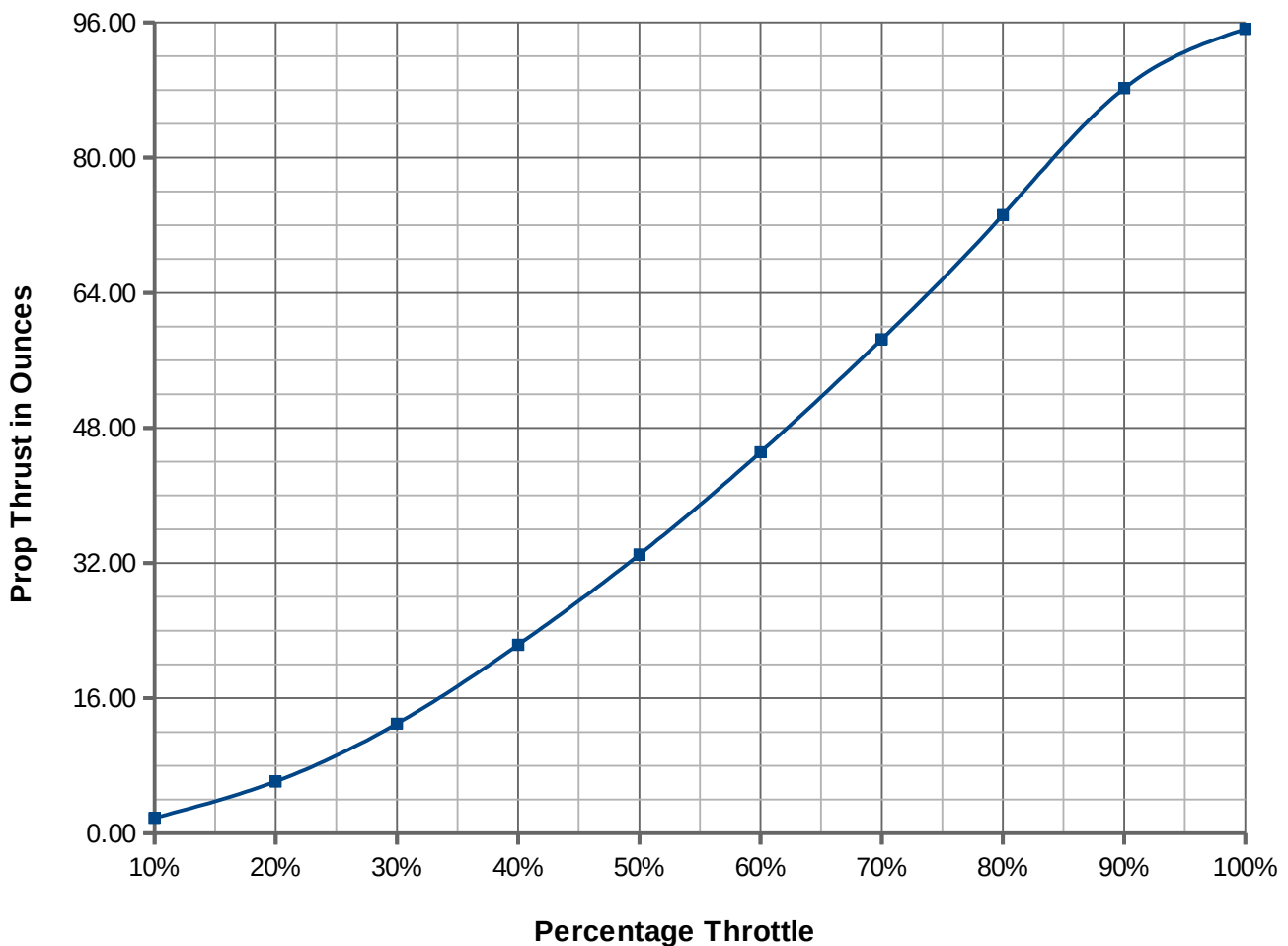
Propeller RPM vs Throttle Position



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

Data Collected at 22.2 volts with APC 16x5.5-MR Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.14	3.13	892	51.8	1.83	16.55
20%	0.46	10.12	1,625	174.1	6.14	17.20
30%	1.14	25.24	2,328	368.3	12.98	14.59
40%	2.30	51.08	2,978	633.1	22.31	12.39
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70%	9.16	203.40	4,676	1659.9	58.50	8.16
80%	12.84	285.00	5,165	2077.4	73.21	7.29
90%	17.17	381.13	5,619	2502.8	88.20	6.57
100%	19.94	442.69	5,861	2702.3	95.24	6.10

Propeller Thrust vs Throttle Position



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

Data Collected at 22.2 volts with APC 16x5.5-MR Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.14	3.13	892	51.8	1.83	16.55
20%	0.46	10.12	1,625	174.1	6.14	17.20
30%	1.14	25.24	2,328	368.3	12.98	14.59
40%	2.30	51.08	2,978	633.1	22.31	12.39
50%	3.98	88.36	3,581	936.5	33.00	10.60
60%	6.24	138.44	4,143	1280.1	45.11	9.25
70%	9.16	203.40	4,676	1659.9	58.50	8.16
80%	12.84	285.00	5,165	2077.4	73.21	7.29
90%	17.17	381.13	5,619	2502.8	88.20	6.57
100%	19.94	442.69	5,861	2702.3	95.24	6.10

Propeller Efficiency vs Throttle Position

