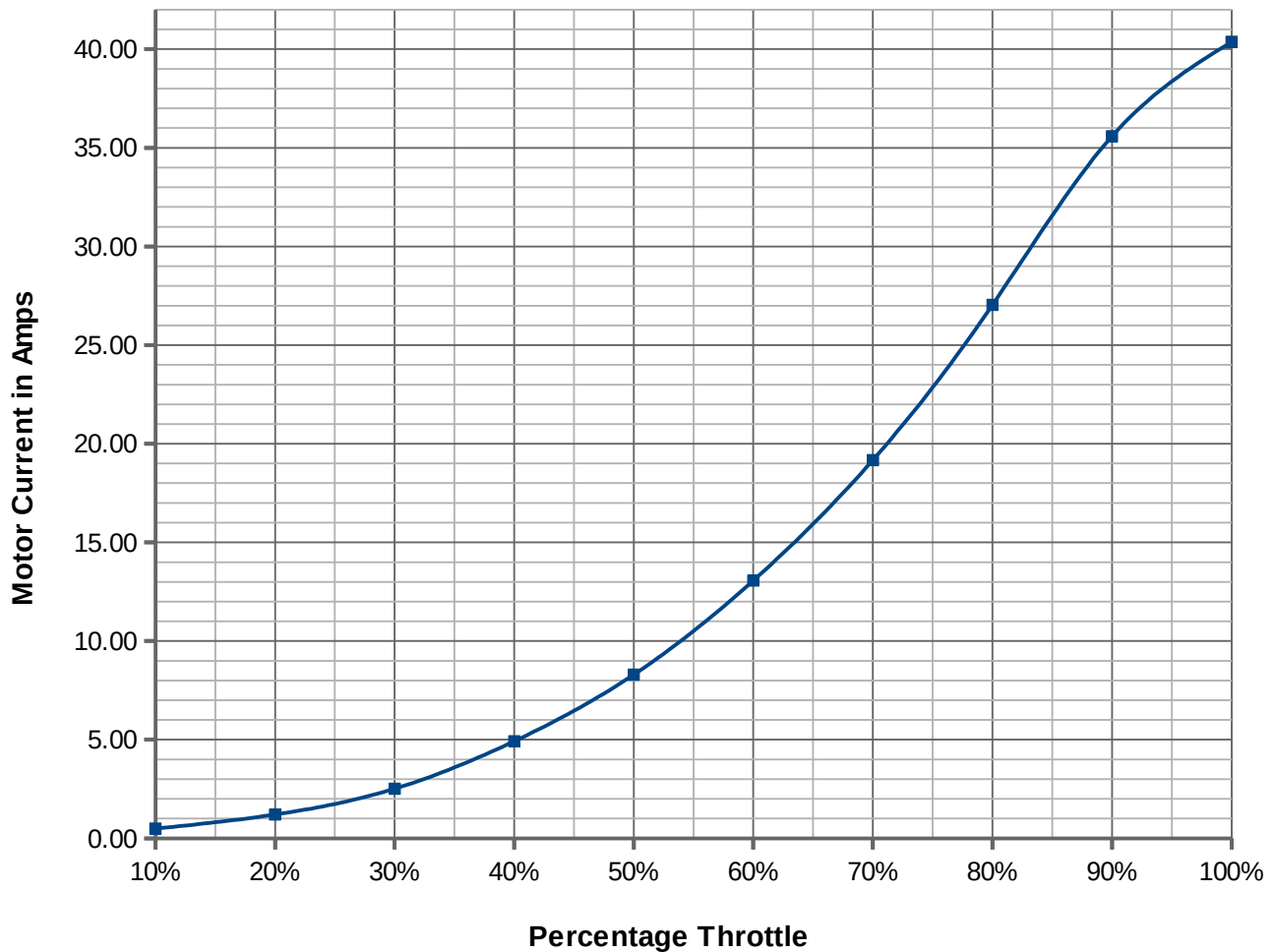


Cobra CM-4515-18 Motor Test Data, Kv=435

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%	0.49	10.94	1,435	134.6	4.74	12.30
20%	1.21	26.80	2,218	344.7	12.15	12.86
30%	2.52	55.83	2,956	643.8	22.69	11.53
40%	4.92	109.29	3,784	1094.2	38.56	10.01
50%	8.30	184.19	4,529	1613.8	56.87	8.76
60%	13.06	289.98	5,278	2185.9	77.04	7.54
70%	19.17	425.62	5,976	2862.5	100.88	6.73
80%	27.04	600.20	6,619	3615.3	127.41	6.02
90%	35.59	790.10	7,202	4311.7	151.95	5.46
100%	40.37	896.21	7,469	4759.8	167.75	5.31

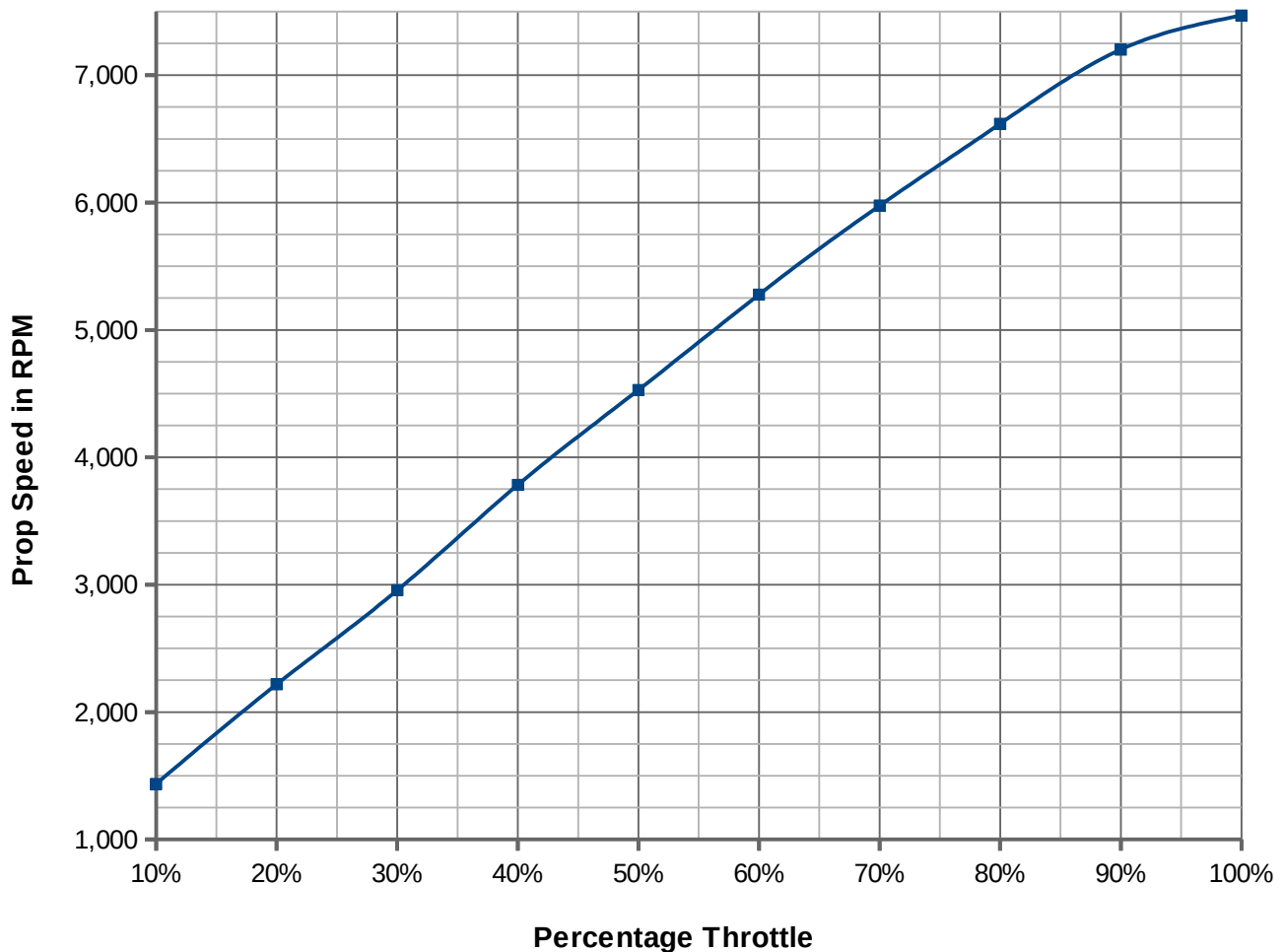
Motor Current vs Throttle Position



Cobra CM-4515-18 Motor Test Data, Kv=435

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%	0.49	10.94	1,435	134.6	4.74	12.30
20%	1.21	26.80	2,218	344.7	12.15	12.86
30%	2.52	55.83	2,956	643.8	22.69	11.53
40%	4.92	109.29	3,784	1094.2	38.56	10.01
50%	8.30	184.19	4,529	1613.8	56.87	8.76
60%	13.06	289.98	5,278	2185.9	77.04	7.54
70%	19.17	425.62	5,976	2862.5	100.88	6.73
80%	27.04	600.20	6,619	3615.3	127.41	6.02
90%	35.59	790.10	7,202	4311.7	151.95	5.46
100%	40.37	896.21	7,469	4759.8	167.75	5.31

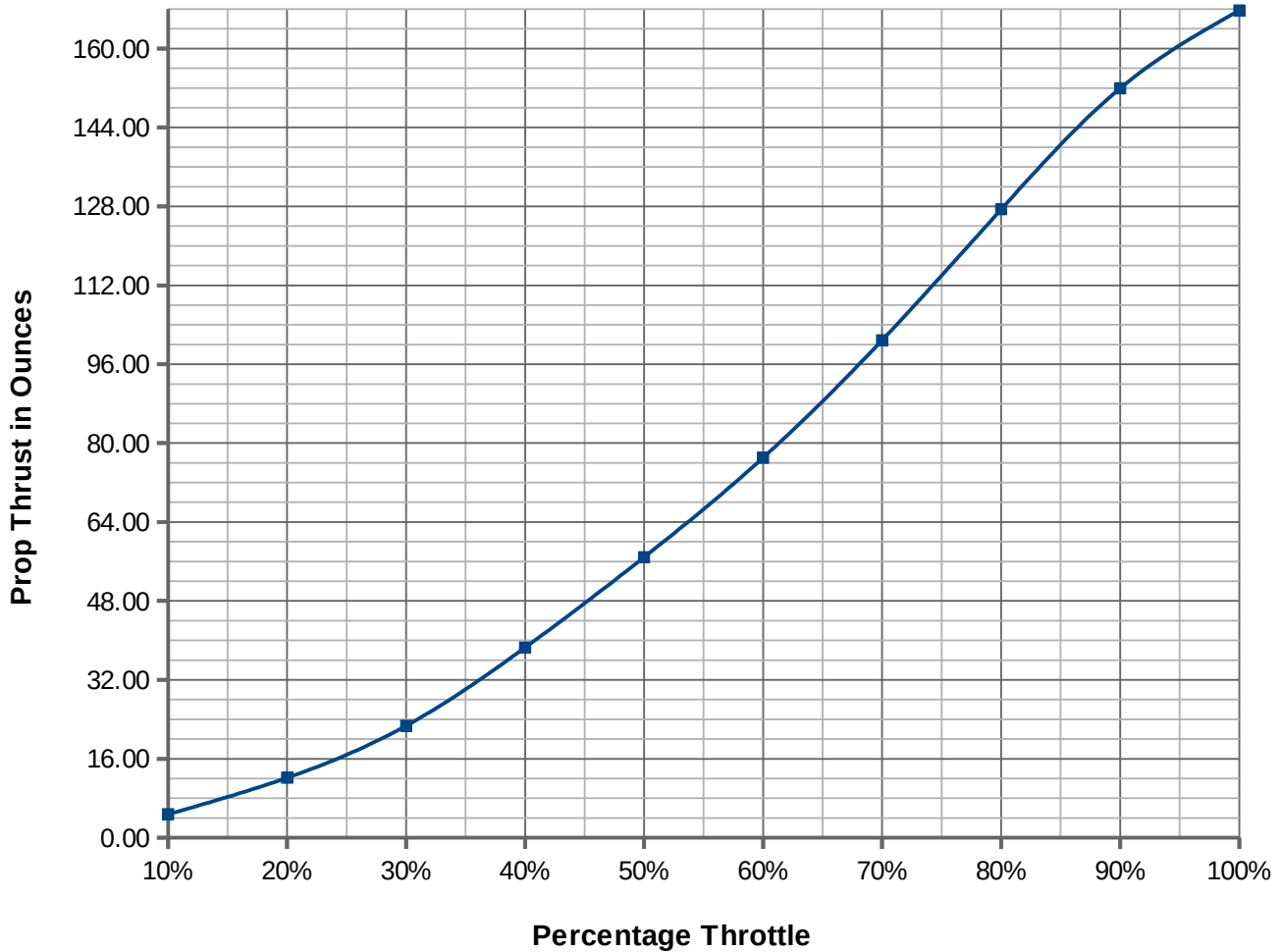
Propeller RPM vs Throttle Position



Cobra CM-4515-18 Motor Test Data, Kv=435

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%	0.49	10.94	1,435	134.6	4.74	12.30
20%	1.21	26.80	2,218	344.7	12.15	12.86
30%	2.52	55.83	2,956	643.8	22.69	11.53
40%	4.92	109.29	3,784	1094.2	38.56	10.01
50%	8.30	184.19	4,529	1613.8	56.87	8.76
60%	13.06	289.98	5,278	2185.9	77.04	7.54
70%	19.17	425.62	5,976	2862.5	100.88	6.73
80%	27.04	600.20	6,619	3615.3	127.41	6.02
90%	35.59	790.10	7,202	4311.7	151.95	5.46
100%	40.37	896.21	7,469	4759.8	167.75	5.31

Propeller Thrust vs Throttle Position



Cobra CM-4515-18 Motor Test Data, Kv=435

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%	0.49	10.94	1,435	134.6	4.74	12.30
20%	1.21	26.80	2,218	344.7	12.15	12.86
30%	2.52	55.83	2,956	643.8	22.69	11.53
40%	4.92	109.29	3,784	1094.2	38.56	10.01
50%	8.30	184.19	4,529	1613.8	56.87	8.76
60%	13.06	289.98	5,278	2185.9	77.04	7.54
70%	19.17	425.62	5,976	2862.5	100.88	6.73
80%	27.04	600.20	6,619	3615.3	127.41	6.02
90%	35.59	790.10	7,202	4311.7	151.95	5.46
100%	40.37	896.21	7,469	4759.8	167.75	5.31

Propeller Efficiency vs Throttle Position

