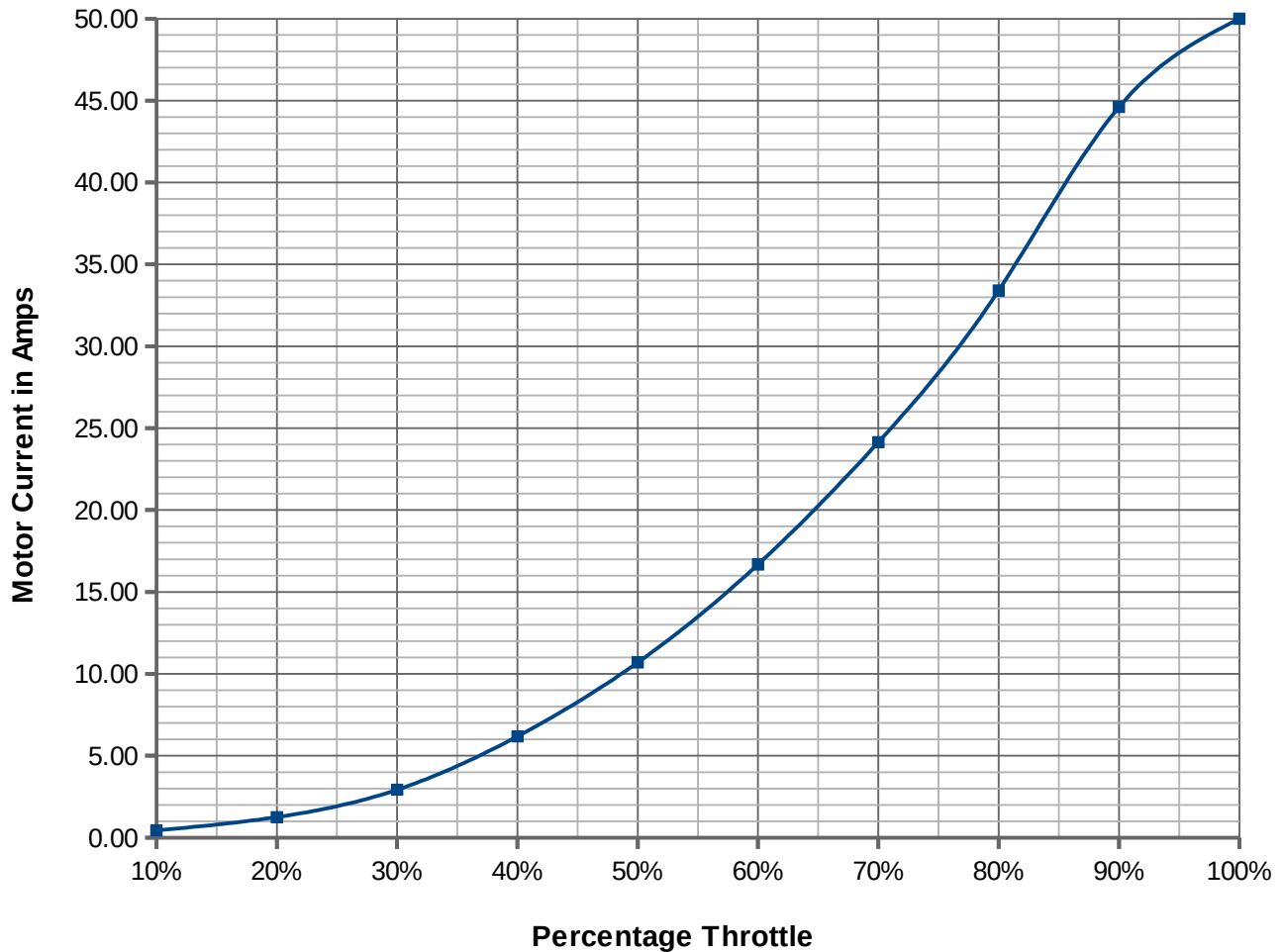


# Cobra CM-4515-18 Motor Test Data, Kv=435

Data Collected at 18.5 volts with RC-Timer 17x5.5 CF Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.44	8.20	1,050	115.5	4.07	14.09
20%	1.25	23.18	1,715	312.0	11.00	13.46
30%	2.93	54.11	2,385	602.2	21.22	11.13
40%	6.19	114.42	3,074	1054.7	37.17	9.22
50%	10.69	197.84	3,661	1537.0	54.17	7.77
60%	16.68	308.58	4,176	2087.8	73.58	6.77
70%	24.14	446.59	4,683	2632.7	92.78	5.90
80%	33.41	618.05	5,143	3202.1	112.85	5.18
90%	44.61	825.23	5,536	3834.4	135.13	4.65
100%	50.00	924.94	5,711	4083.7	143.92	4.42

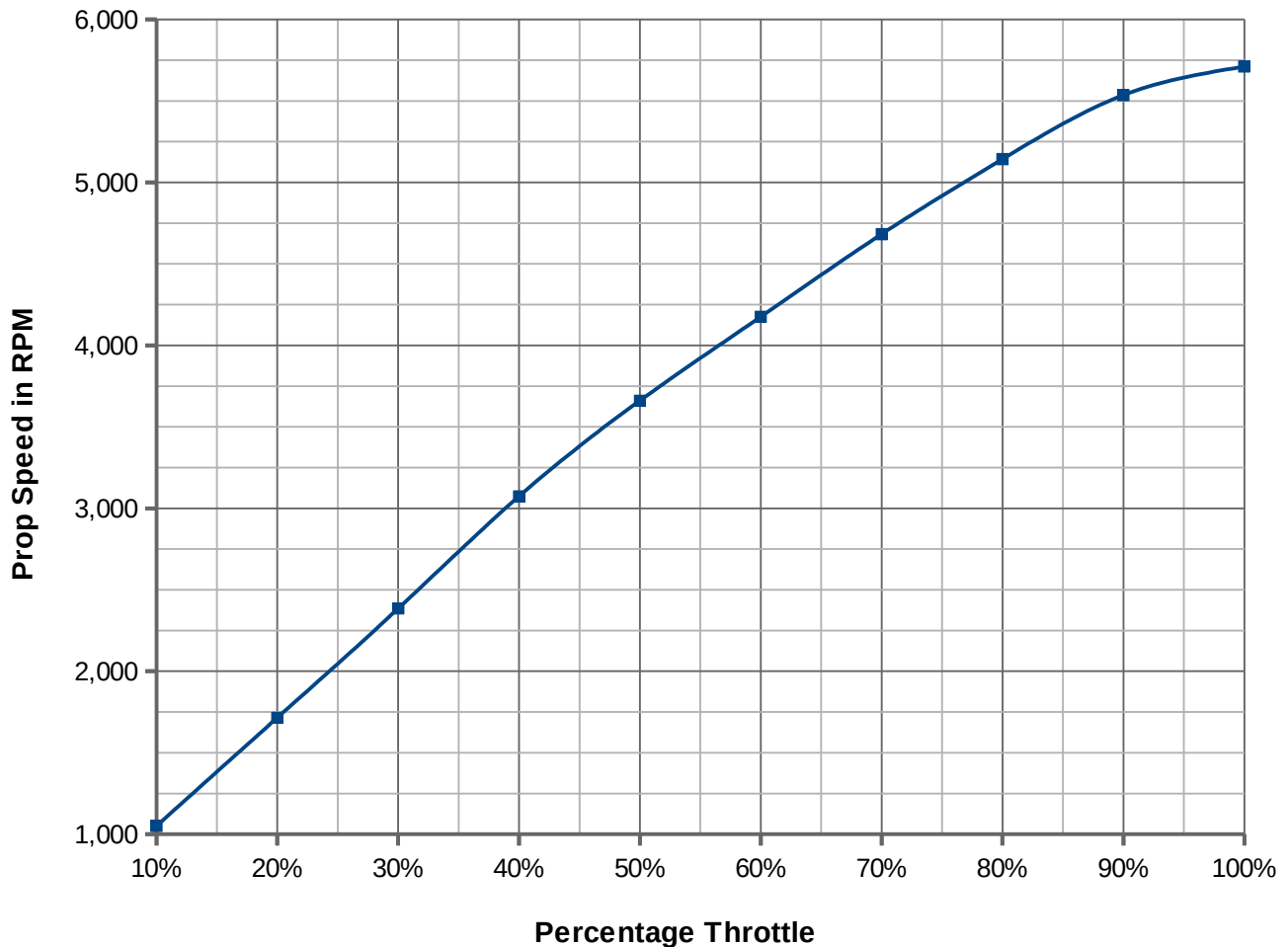
## Motor Current vs Throttle Position



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

Data Collected at 18.5 volts with RC-Timer 17x5.5 CF Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.44	8.20	1,050	115.5	4.07	14.09
20%	1.25	23.18	1,715	312.0	11.00	13.46
30%	2.93	54.11	2,385	602.2	21.22	11.13
40%	6.19	114.42	3,074	1054.7	37.17	9.22
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60%	16.68	308.58	4,176	2087.8	73.58	6.77
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80%	33.41	618.05	5,143	3202.1	112.85	5.18
90%	44.61	825.23	5,536	3834.4	135.13	4.65
100%	50.00	924.94	5,711	4083.7	143.92	4.42

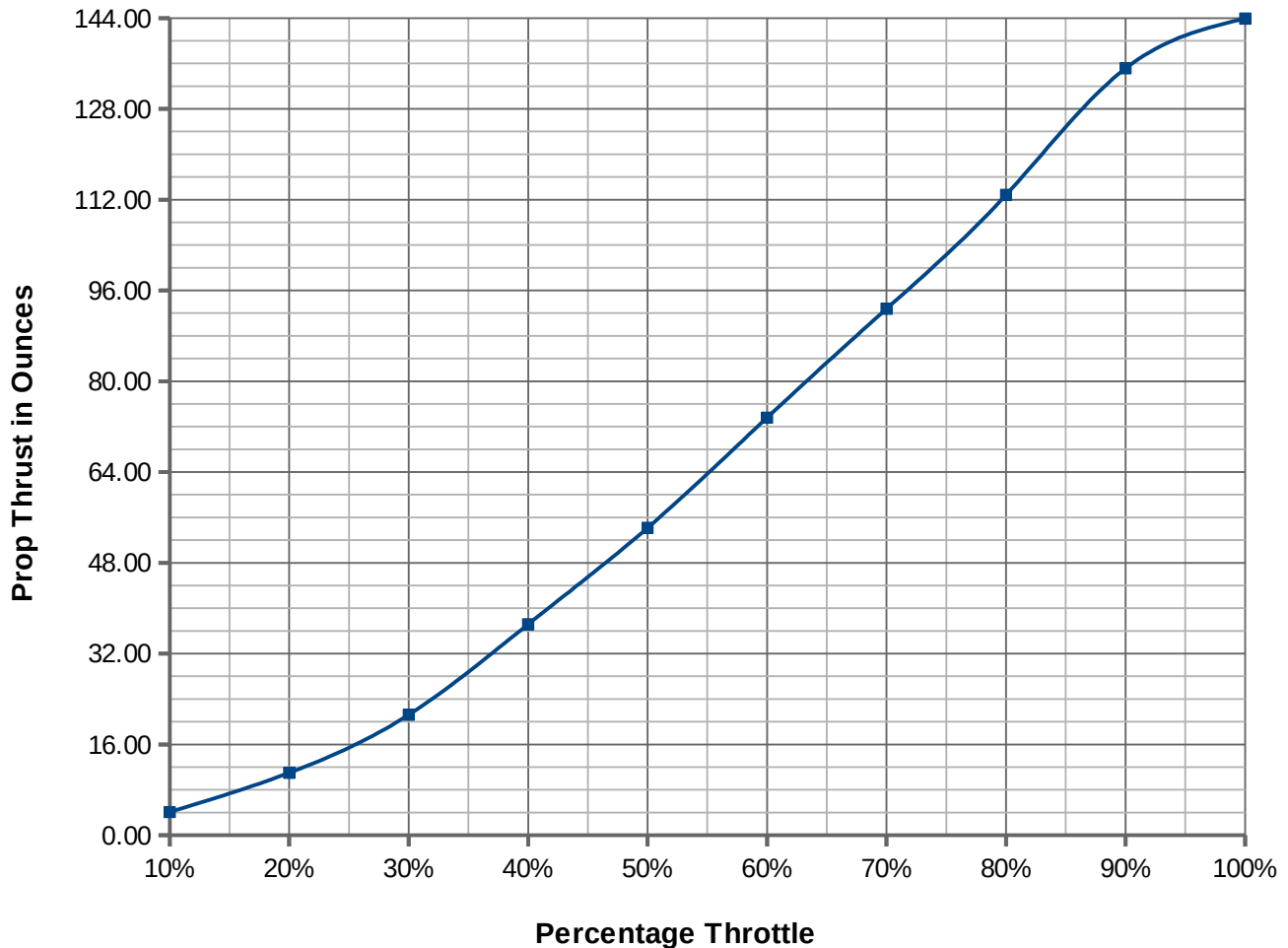
### Propeller RPM vs Throttle Position



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

Data Collected at 18.5 volts with RC-Timer 17x5.5 CF Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.44	8.20	1,050	115.5	4.07	14.09
20%	1.25	23.18	1,715	312.0	11.00	13.46
30%	2.93	54.11	2,385	602.2	21.22	11.13
40%	6.19	114.42	3,074	1054.7	37.17	9.22
50%	10.69	197.84	3,661	1537.0	54.17	7.77
60%	16.68	308.58	4,176	2087.8	73.58	6.77
70%	24.14	446.59	4,683	2632.7	92.78	5.90
80%	33.41	618.05	5,143	3202.1	112.85	5.18
90%	44.61	825.23	5,536	3834.4	135.13	4.65
100%	50.00	924.94	5,711	4083.7	143.92	4.42

### Propeller Thrust vs Throttle Position



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

Data Collected at 18.5 volts with RC-Timer 17x5.5 CF Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.44	8.20	1,050	115.5	4.07	14.09
20%	1.25	23.18	1,715	312.0	11.00	13.46
30%	2.93	54.11	2,385	602.2	21.22	11.13
40%	6.19	114.42	3,074	1054.7	37.17	9.22
50%	10.69	197.84	3,661	1537.0	54.17	7.77
60%	16.68	308.58	4,176	2087.8	73.58	6.77
70%	24.14	446.59	4,683	2632.7	92.78	5.90
80%	33.41	618.05	5,143	3202.1	112.85	5.18
90%	44.61	825.23	5,536	3834.4	135.13	4.65
100%	50.00	924.94	5,711	4083.7	143.92	4.42

### Propeller Efficiency vs Throttle Position

