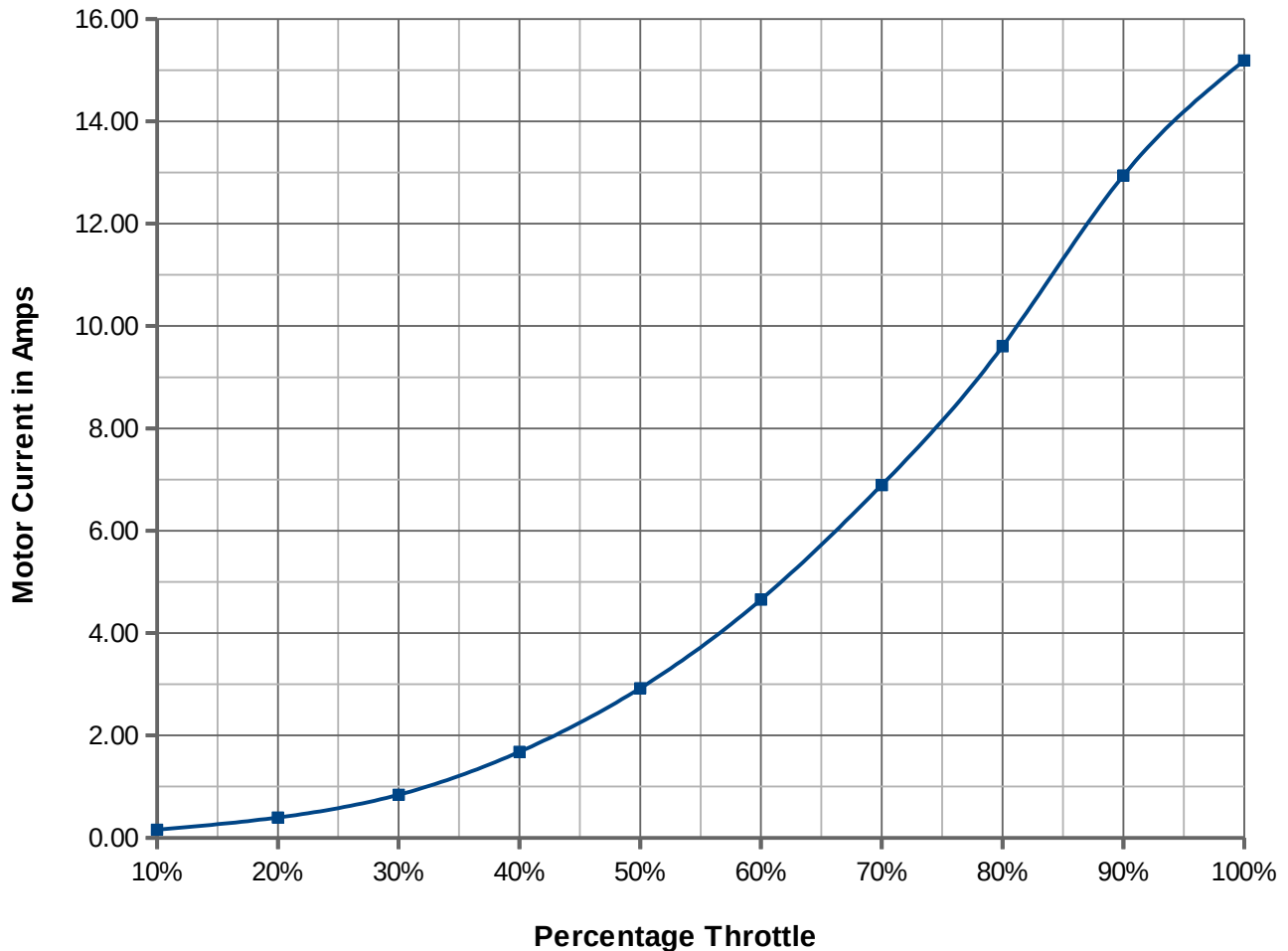


# Cobra CM-2814/36 Motor Test Data, Kv=470

Data Collected at 18.5 volts with APC 14x5.5-MR Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.16	2.92	1,145	53.0	1.87	18.13
20%	0.40	7.33	1,763	124.7	4.39	17.02
30%	0.84	15.58	2,348	233.9	8.24	15.02
40%	1.68	31.08	3,036	396.3	13.97	12.75
50%	2.92	54.09	3,655	599.7	21.13	11.09
60%	4.66	86.12	4,264	827.0	29.15	9.60
70%	6.89	127.54	4,811	1091.4	38.46	8.56
80%	9.61	177.69	5,359	1351.8	47.64	7.61
90%	12.94	239.43	5,839	1632.3	57.53	6.82
100%	15.19	281.03	6,078	1797.9	63.36	6.40

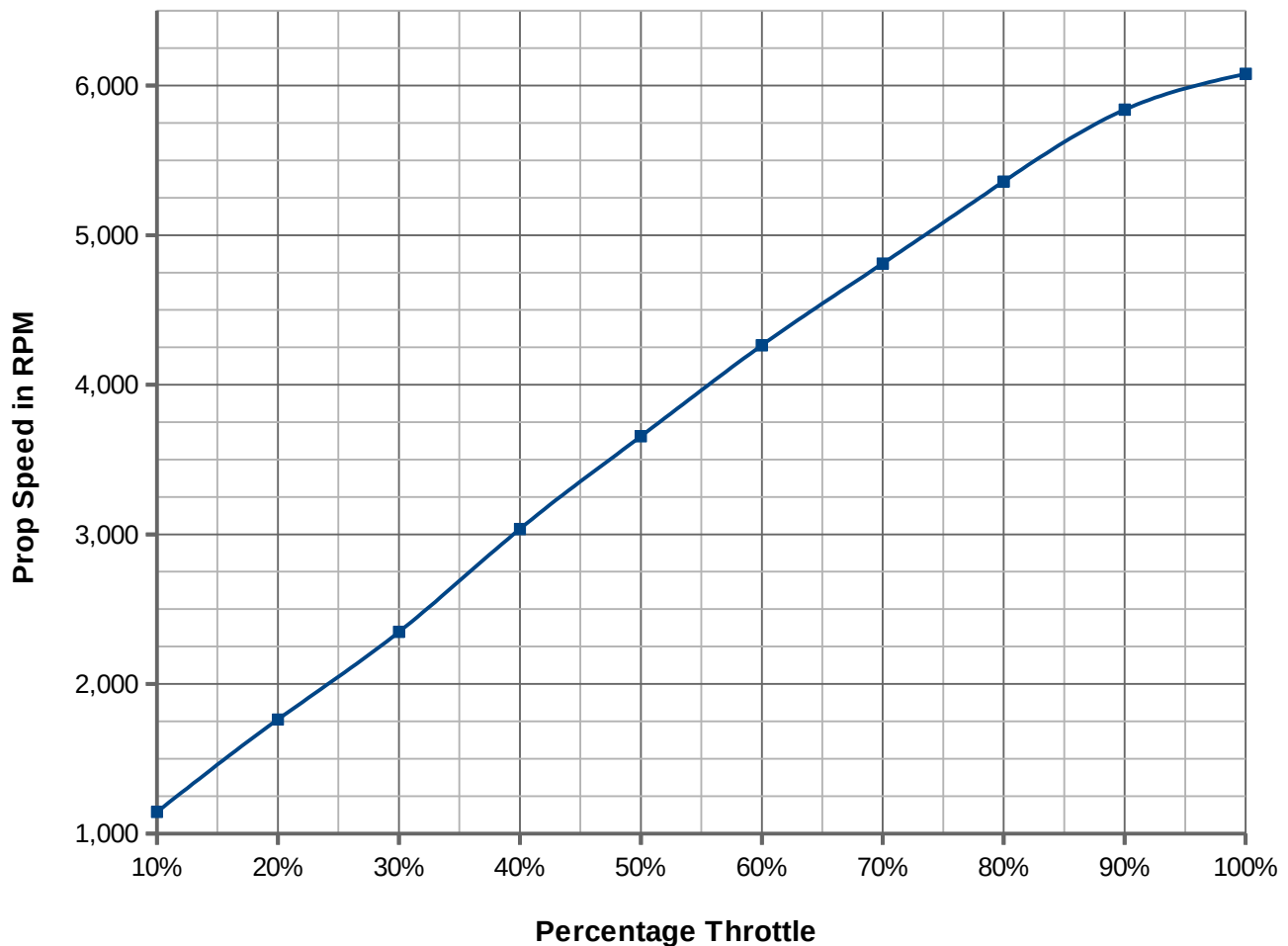
## Motor Current vs Throttle Position



## Cobra CM-2814/36 Motor Test Data, Kv=470

Data Collected at 18.5 volts with APC 14x5.5-MR Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.16	2.92	1,145	53.0	1.87	18.13
20%	0.40	7.33	1,763	124.7	4.39	17.02
30%	0.84	15.58	2,348	233.9	8.24	15.02
40%	1.68	31.08	3,036	396.3	13.97	12.75
50%	2.92	54.09	3,655	599.7	21.13	11.09
60%	4.66	86.12	4,264	827.0	29.15	9.60
70%	6.89	127.54	4,811	1091.4	38.46	8.56
80%	9.61	177.69	5,359	1351.8	47.64	7.61
90%	12.94	239.43	5,839	1632.3	57.53	6.82
100%	15.19	281.03	6,078	1797.9	63.36	6.40

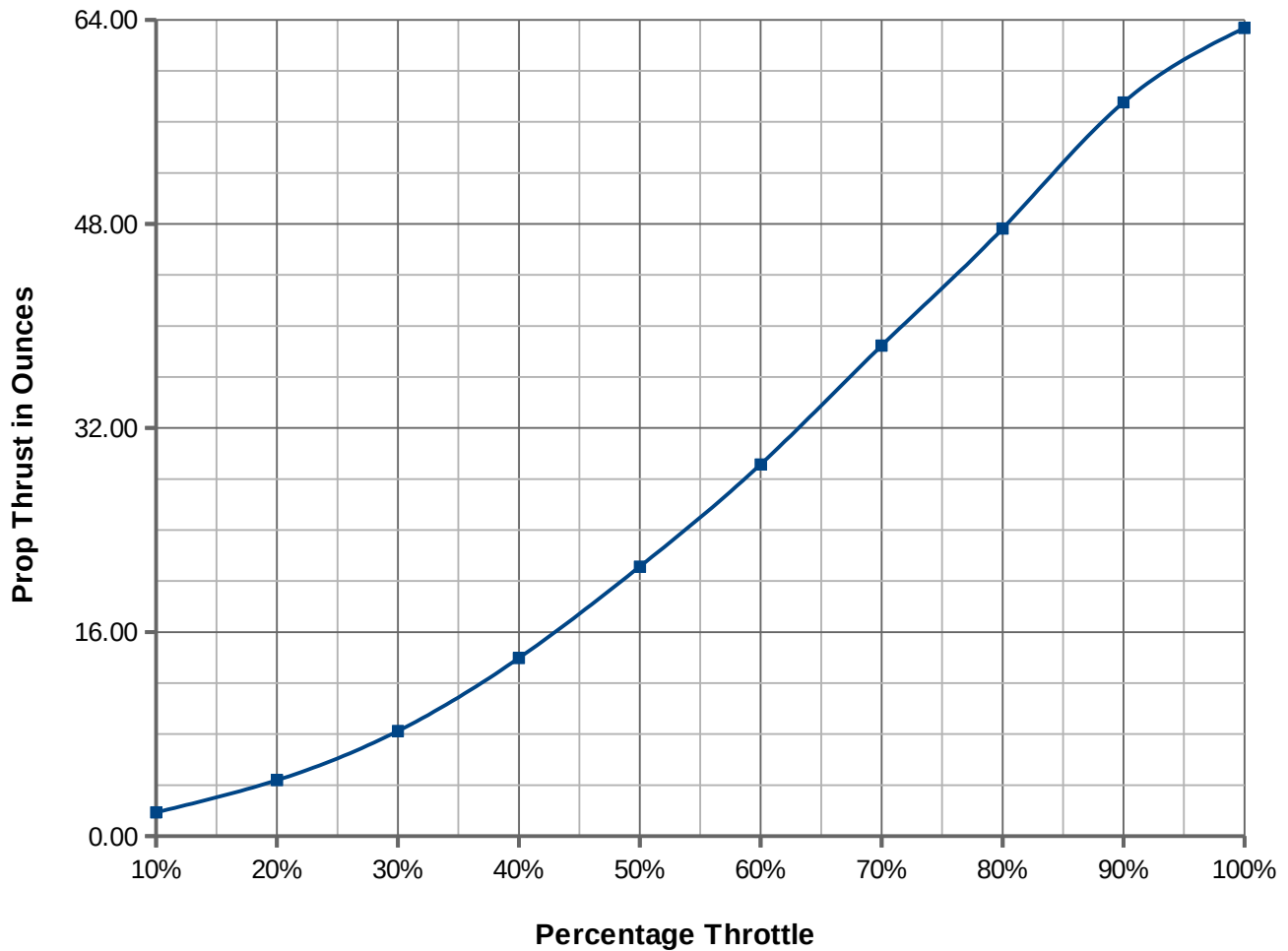
### Propeller RPM vs Throttle Position



## Cobra CM-2814/36 Motor Test Data, Kv=470

Data Collected at 18.5 volts with APC 14x5.5-MR Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.16	2.92	1,145	53.0	1.87	18.13
20%	0.40	7.33	1,763	124.7	4.39	17.02
30%	0.84	15.58	2,348	233.9	8.24	15.02
40%	1.68	31.08	3,036	396.3	13.97	12.75
50%	2.92	54.09	3,655	599.7	21.13	11.09
60%	4.66	86.12	4,264	827.0	29.15	9.60
70%	6.89	127.54	4,811	1091.4	38.46	8.56
80%	9.61	177.69	5,359	1351.8	47.64	7.61
90%	12.94	239.43	5,839	1632.3	57.53	6.82
100%	15.19	281.03	6,078	1797.9	63.36	6.40

### Propeller Thrust vs Throttle Position



## Cobra CM-2814/36 Motor Test Data, Kv=470

Data Collected at 18.5 volts with APC 14x5.5-MR Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.16	2.92	1,145	53.0	1.87	18.13
20%	0.40	7.33	1,763	124.7	4.39	17.02
30%	0.84	15.58	2,348	233.9	8.24	15.02
40%	1.68	31.08	3,036	396.3	13.97	12.75
50%	2.92	54.09	3,655	599.7	21.13	11.09
60%	4.66	86.12	4,264	827.0	29.15	9.60
70%	6.89	127.54	4,811	1091.4	38.46	8.56
80%	9.61	177.69	5,359	1351.8	47.64	7.61
90%	12.94	239.43	5,839	1632.3	57.53	6.82
100%	15.19	281.03	6,078	1797.9	63.36	6.40

### Propeller Efficiency vs Throttle Position

