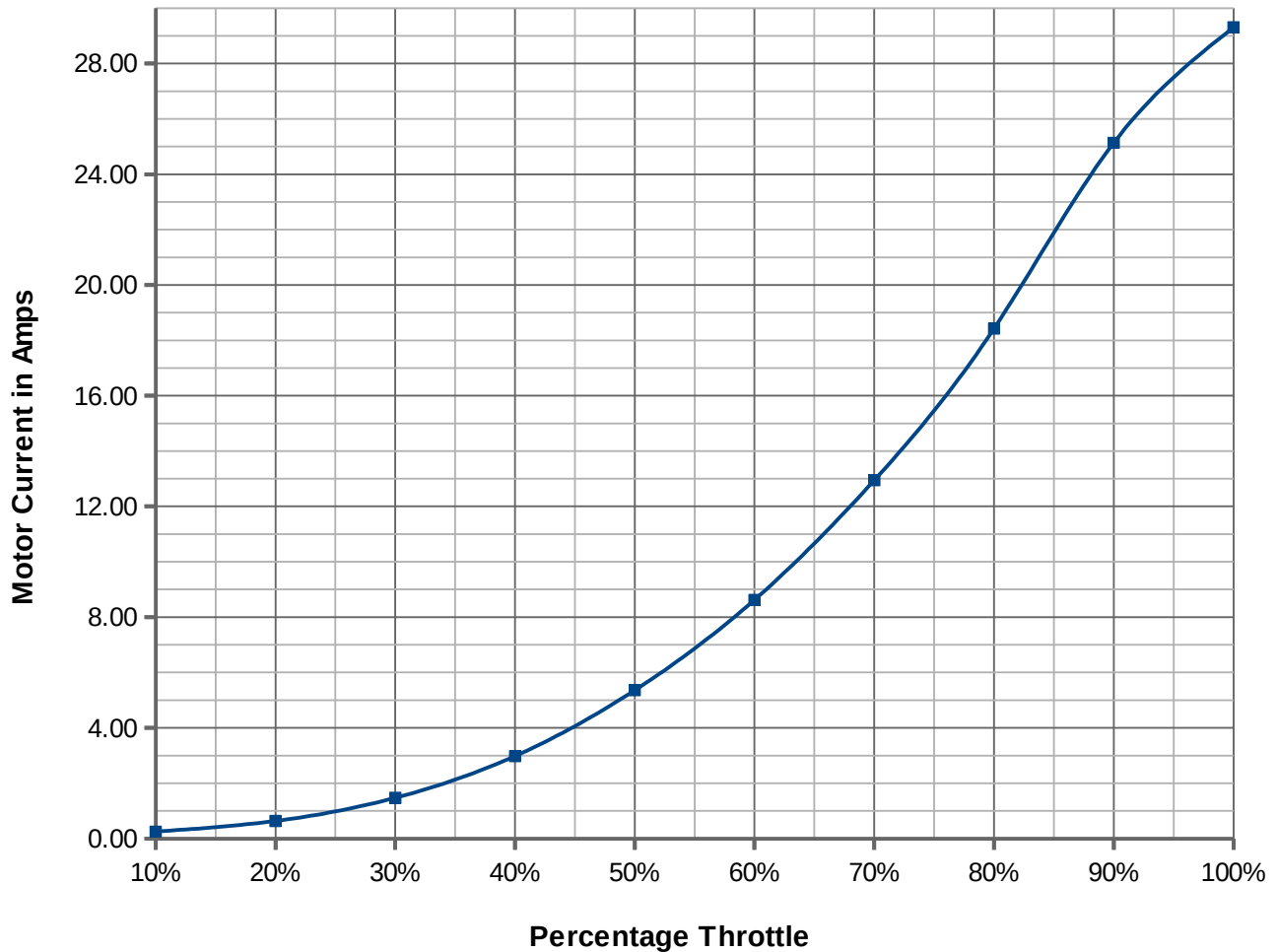


# Cobra CM-4510-28 Motor Test Data, Kv=420

Data Collected at 22.2 volts with RC-Timer 14x5.5 CF Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.25	5.59	1,320	81.1	2.86	14.50
20%	0.64	14.12	1,968	189.3	6.67	13.41
30%	1.47	32.68	2,735	373.7	13.17	11.44
40%	2.98	66.13	3,500	626.4	22.08	9.47
50%	5.36	118.95	4,250	958.3	33.77	8.06
60%	8.62	191.43	4,904	1340.0	47.22	7.00
70%	12.94	287.31	5,552	1748.6	61.62	6.09
80%	18.43	409.04	6,158	2168.4	76.42	5.30
90%	25.14	558.04	6,690	2623.9	92.47	4.70
100%	29.31	650.66	7,021	2855.3	100.63	4.39

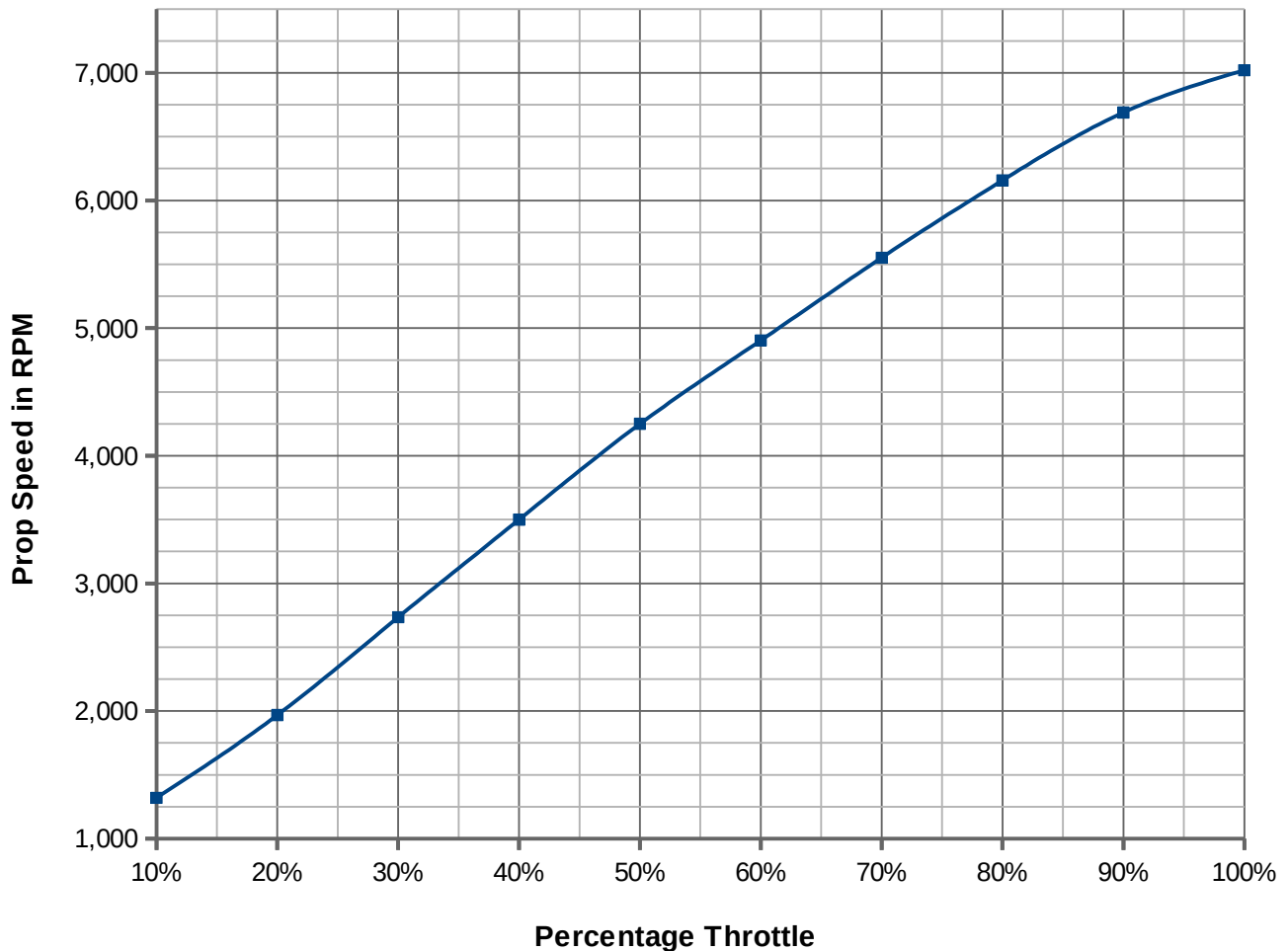
## Motor Current vs Throttle Position



## Cobra CM-4510-28 Motor Test Data, Kv=420

Data Collected at 22.2 volts with RC-Timer 14x5.5 CF Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.25	5.59	1,320	81.1	2.86	14.50
20%	0.64	14.12	1,968	189.3	6.67	13.41
30%	1.47	32.68	2,735	373.7	13.17	11.44
40%	2.98	66.13	3,500	626.4	22.08	9.47
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60%	8.62	191.43	4,904	1340.0	47.22	7.00
70%	12.94	287.31	5,552	1748.6	61.62	6.09
80%	18.43	409.04	6,158	2168.4	76.42	5.30
90%	25.14	558.04	6,690	2623.9	92.47	4.70
100%	29.31	650.66	7,021	2855.3	100.63	4.39

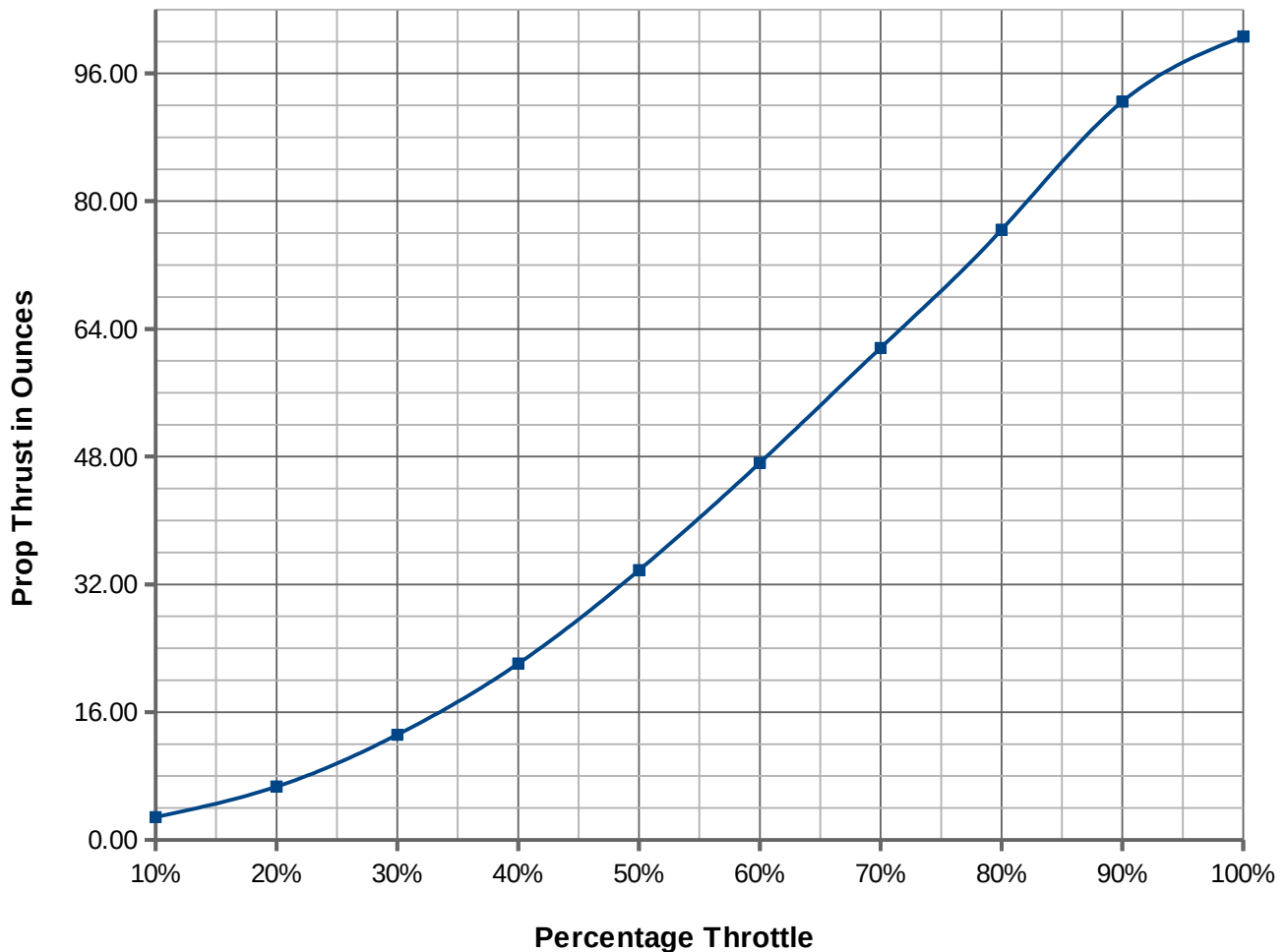
### Propeller RPM vs Throttle Position



## Cobra CM-4510-28 Motor Test Data, Kv=420

Data Collected at 22.2 volts with RC-Timer 14x5.5 CF Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.25	5.59	1,320	81.1	2.86	14.50
20%	0.64	14.12	1,968	189.3	6.67	13.41
30%	1.47	32.68	2,735	373.7	13.17	11.44
40%	2.98	66.13	3,500	626.4	22.08	9.47
50%	5.36	118.95	4,250	958.3	33.77	8.06
60%	8.62	191.43	4,904	1340.0	47.22	7.00
70%	12.94	287.31	5,552	1748.6	61.62	6.09
80%	18.43	409.04	6,158	2168.4	76.42	5.30
90%	25.14	558.04	6,690	2623.9	92.47	4.70
100%	29.31	650.66	7,021	2855.3	100.63	4.39

### Propeller Thrust vs Throttle Position



# Cobra CM-4510-28 Motor Test Data, Kv=420

Data Collected at 22.2 volts with RC-Timer 14x5.5 CF Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.25	5.59	1,320	81.1	2.86	14.50
20%	0.64	14.12	1,968	189.3	6.67	13.41
30%	1.47	32.68	2,735	373.7	13.17	11.44
40%	2.98	66.13	3,500	626.4	22.08	9.47
50%	5.36	118.95	4,250	958.3	33.77	8.06
60%	8.62	191.43	4,904	1340.0	47.22	7.00
70%	12.94	287.31	5,552	1748.6	61.62	6.09
80%	18.43	409.04	6,158	2168.4	76.42	5.30
90%	25.14	558.04	6,690	2623.9	92.47	4.70
100%	29.31	650.66	7,021	2855.3	100.63	4.39

## Propeller Efficiency vs Throttle Position

