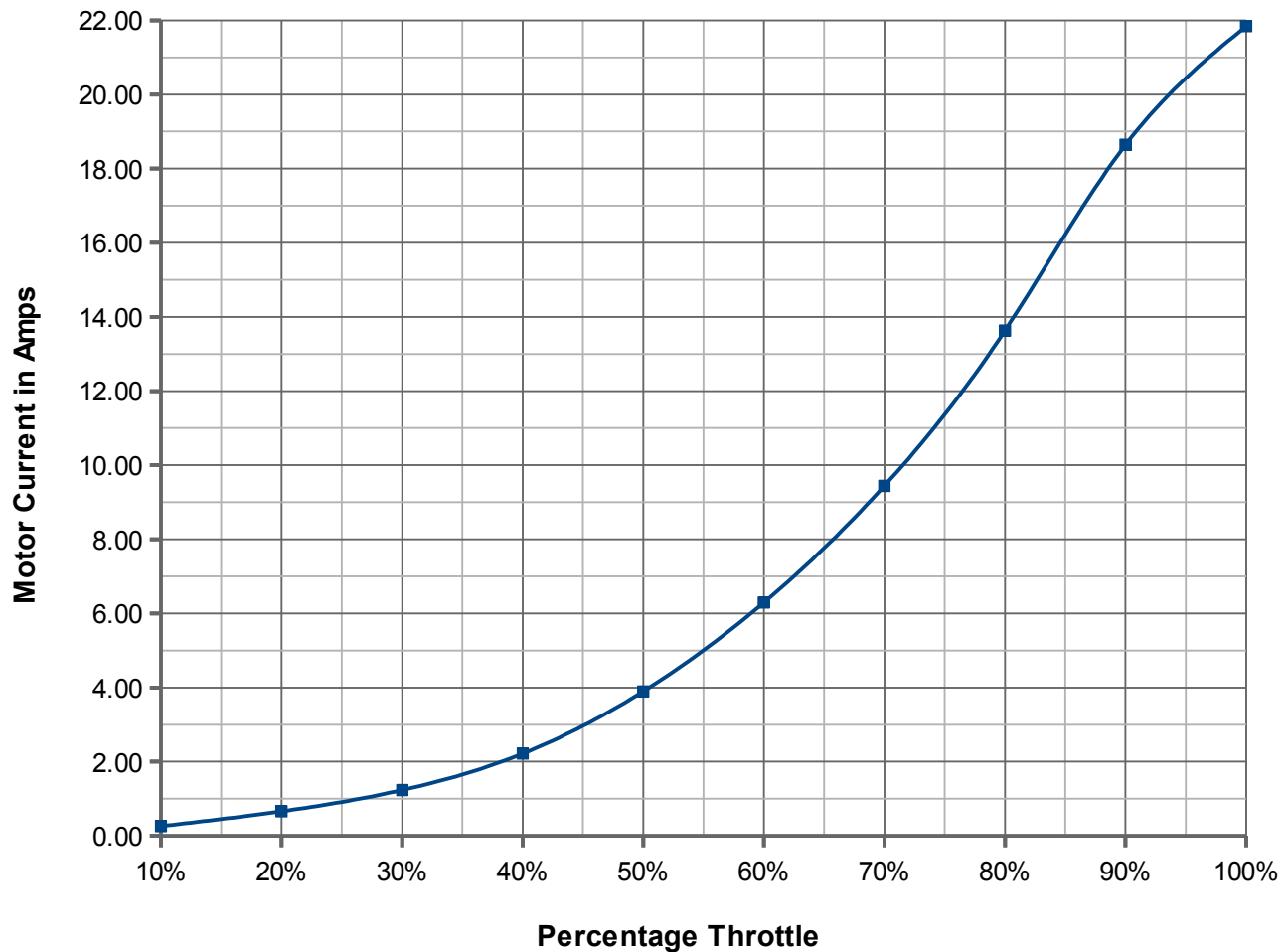


# Cobra CM-2820/24 Motor Test Data, Kv=490

Data Collected at 18.5 volts with RC-Timer 13x5.5-CF Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.26	4.81	1,450	72.3	2.55	15.03
20%	0.66	12.23	2,195	165.4	5.83	13.53
30%	1.23	22.83	2,766	274.5	9.67	12.02
40%	2.22	41.03	3,419	432.6	15.25	10.54
50%	3.90	72.09	4,150	648.6	22.86	9.00
60%	6.29	116.40	4,814	910.4	32.08	7.82
70%	9.44	174.66	5,433	1204.4	42.45	6.90
80%	13.63	252.19	6,049	1517.5	53.48	6.02
90%	18.64	344.88	6,590	1853.1	65.31	5.37
100%	21.84	404.04	6,872	2031.1	71.58	5.03

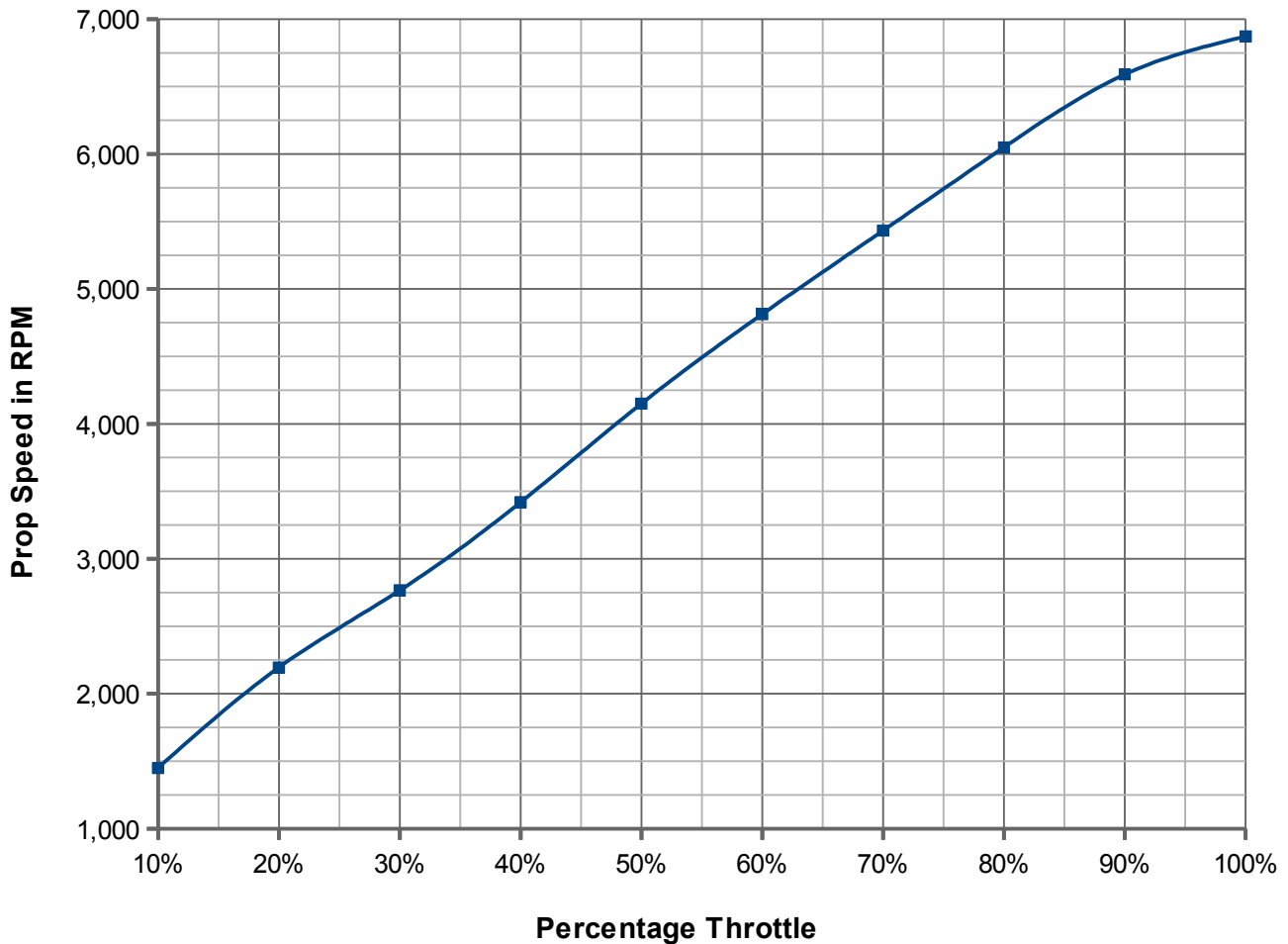
## Motor Current vs Throttle Position



# Cobra CM-2820/24 Motor Test Data, Kv=490

Data Collected at 18.5 volts with RC-Timer 13x5.5-CF Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.26	4.81	1,450	72.3	2.55	15.03
20%	0.66	12.23	2,195	165.4	5.83	13.53
30%	1.23	22.83	2,766	274.5	9.67	12.02
40%	2.22	41.03	3,419	432.6	15.25	10.54
50%	3.90	72.09	4,150	648.6	22.86	9.00
60%	6.29	116.40	4,814	910.4	32.08	7.82
70%	9.44	174.66	5,433	1204.4	42.45	6.90
80%	13.63	252.19	6,049	1517.5	53.48	6.02
90%	18.64	344.88	6,590	1853.1	65.31	5.37
100%	21.84	404.04	6,872	2031.1	71.58	5.03

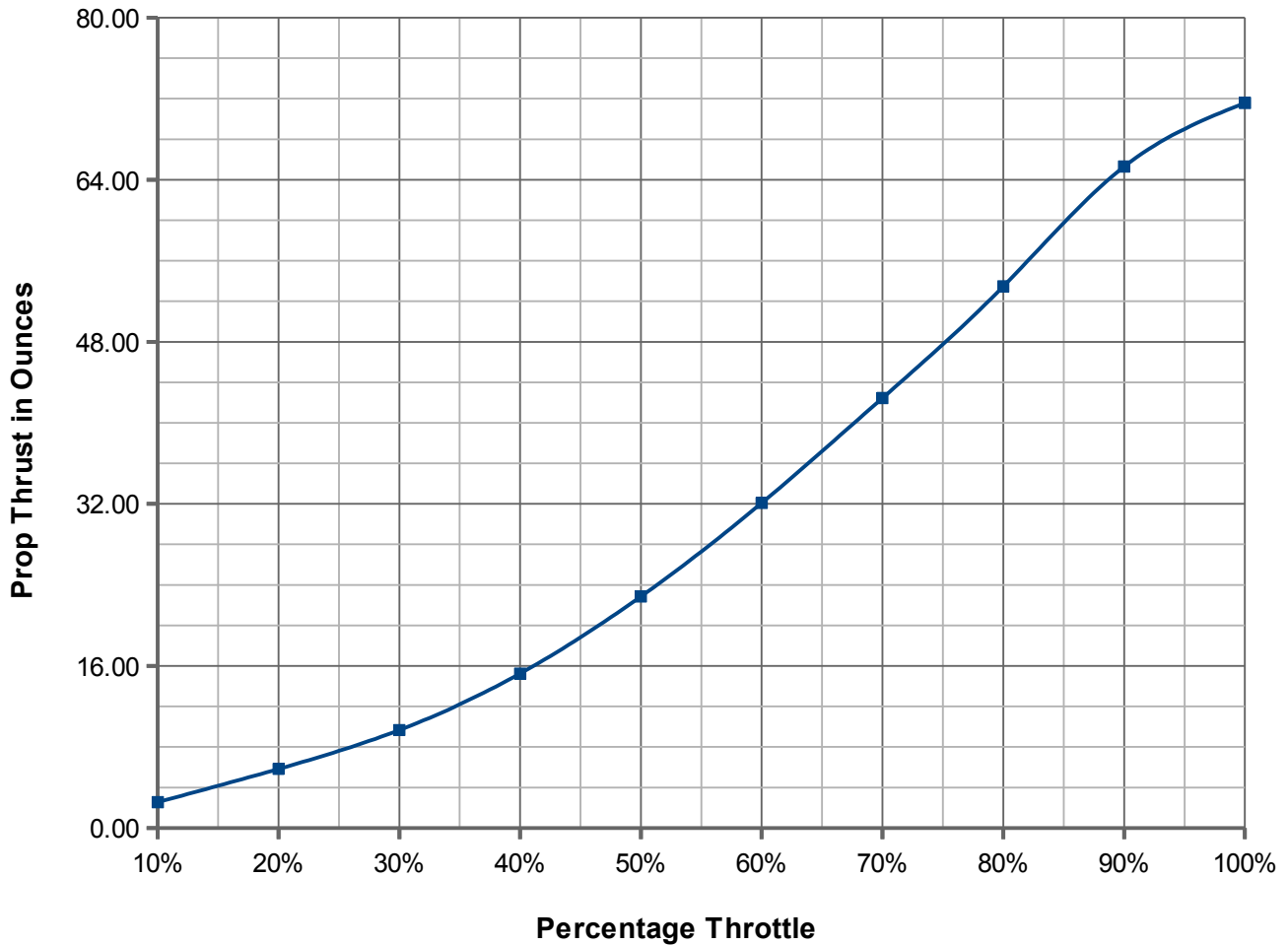
## Propeller RPM vs Throttle Position



# Cobra CM-2820/24 Motor Test Data, Kv=490

Data Collected at 18.5 volts with RC-Timer 13x5.5-CF Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.26	4.81	1,450	72.3	2.55	15.03
20%	0.66	12.23	2,195	165.4	5.83	13.53
30%	1.23	22.83	2,766	274.5	9.67	12.02
40%	2.22	41.03	3,419	432.6	15.25	10.54
50%	3.90	72.09	4,150	648.6	22.86	9.00
60%	6.29	116.40	4,814	910.4	32.08	7.82
70%	9.44	174.66	5,433	1204.4	42.45	6.90
80%	13.63	252.19	6,049	1517.5	53.48	6.02
90%	18.64	344.88	6,590	1853.1	65.31	5.37
100%	21.84	404.04	6,872	2031.1	71.58	5.03

## Propeller Thrust vs Throttle Position



# Cobra CM-2820/24 Motor Test Data, Kv=490

Data Collected at 18.5 volts with RC-Timer 13x5.5-CF Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.26	4.81	1,450	72.3	2.55	15.03
20%	0.66	12.23	2,195	165.4	5.83	13.53
30%	1.23	22.83	2,766	274.5	9.67	12.02
40%	2.22	41.03	3,419	432.6	15.25	10.54
50%	3.90	72.09	4,150	648.6	22.86	9.00
60%	6.29	116.40	4,814	910.4	32.08	7.82
70%	9.44	174.66	5,433	1204.4	42.45	6.90
80%	13.63	252.19	6,049	1517.5	53.48	6.02
90%	18.64	344.88	6,590	1853.1	65.31	5.37
100%	21.84	404.04	6,872	2031.1	71.58	5.03

## Propeller Efficiency vs Throttle Position

