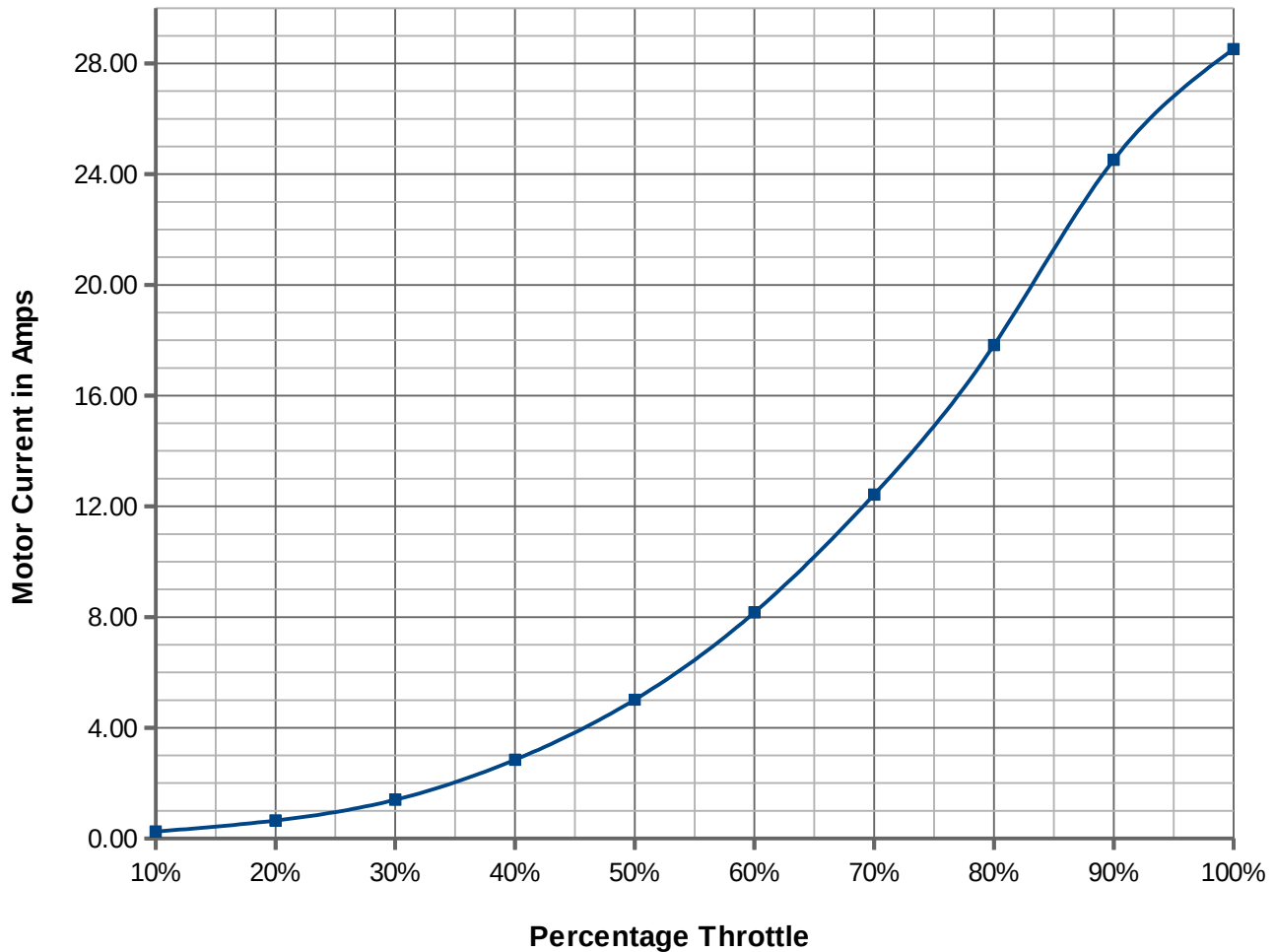


# Cobra CM-3520/20 Motor Test Data, Kv=480

Data Collected at 22.2 volts with RC-Timer 13x5.5-CF Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.25	5.62	1,430	72.5	2.56	12.91
20%	0.65	14.41	2,268	177.6	6.26	12.33
30%	1.40	31.08	3,089	342.9	12.08	11.03
40%	2.84	63.11	3,978	591.4	20.84	9.37
50%	5.02	111.33	4,794	895.2	31.55	8.04
60%	8.17	181.33	5,540	1260.3	44.42	6.95
70%	12.43	275.88	6,309	1670.9	58.89	6.06
80%	17.83	395.76	6,993	2078.0	73.23	5.25
90%	24.52	544.34	7,592	2543.7	89.65	4.67
100%	28.52	633.14	7,945	2754.9	97.09	4.35

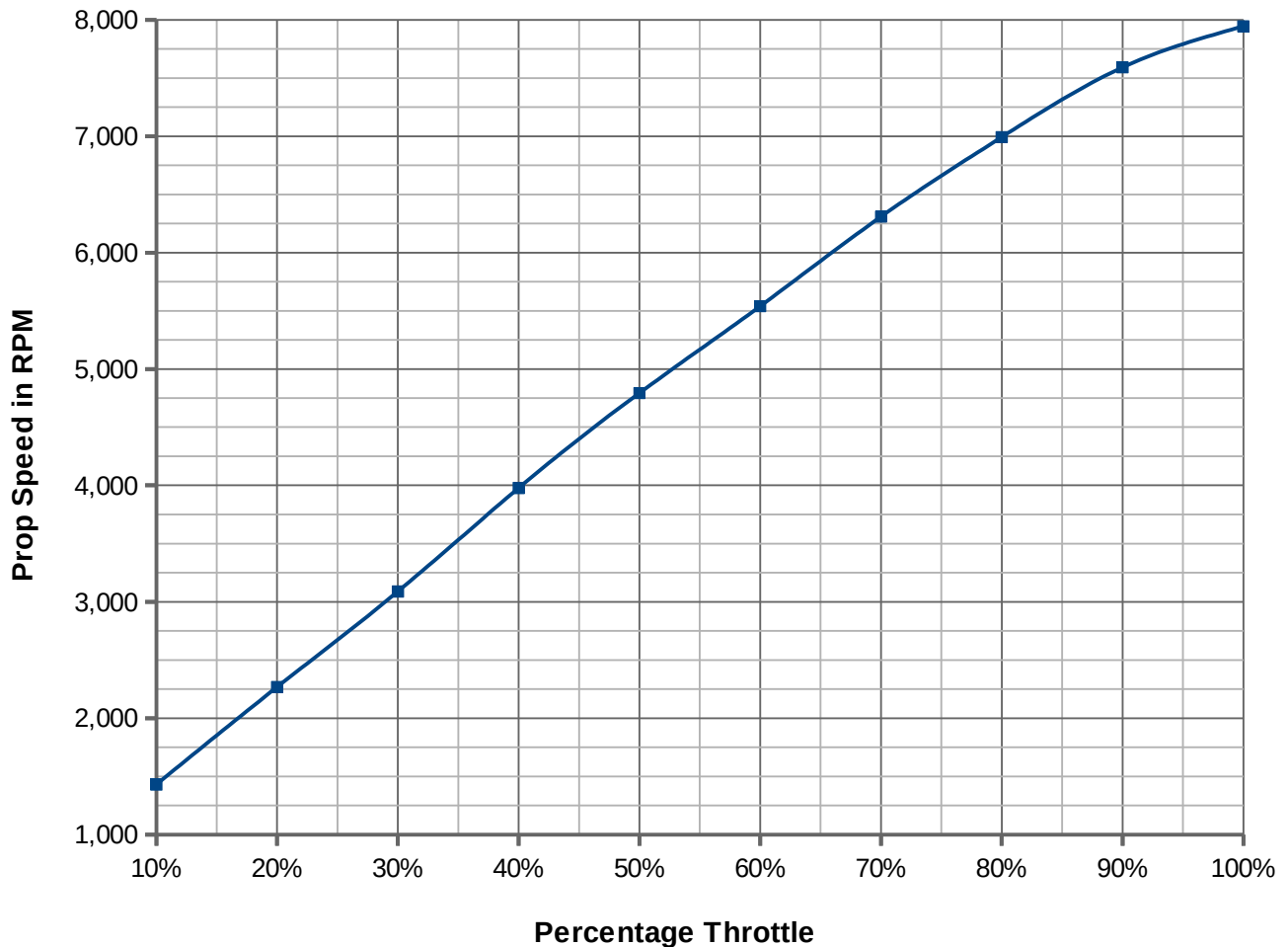
## Motor Current vs Throttle Position



# Cobra CM-3520/20 Motor Test Data, Kv=480

Data Collected at 22.2 volts with RC-Timer 13x5.5-CF Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.25	5.62	1,430	72.5	2.56	12.91
20%	0.65	14.41	2,268	177.6	6.26	12.33
30%	1.40	31.08	3,089	342.9	12.08	11.03
40%	2.84	63.11	3,978	591.4	20.84	9.37
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70%	12.43	275.88	6,309	1670.9	58.89	6.06
80%	17.83	395.76	6,993	2078.0	73.23	5.25
90%	24.52	544.34	7,592	2543.7	89.65	4.67
100%	28.52	633.14	7,945	2754.9	97.09	4.35

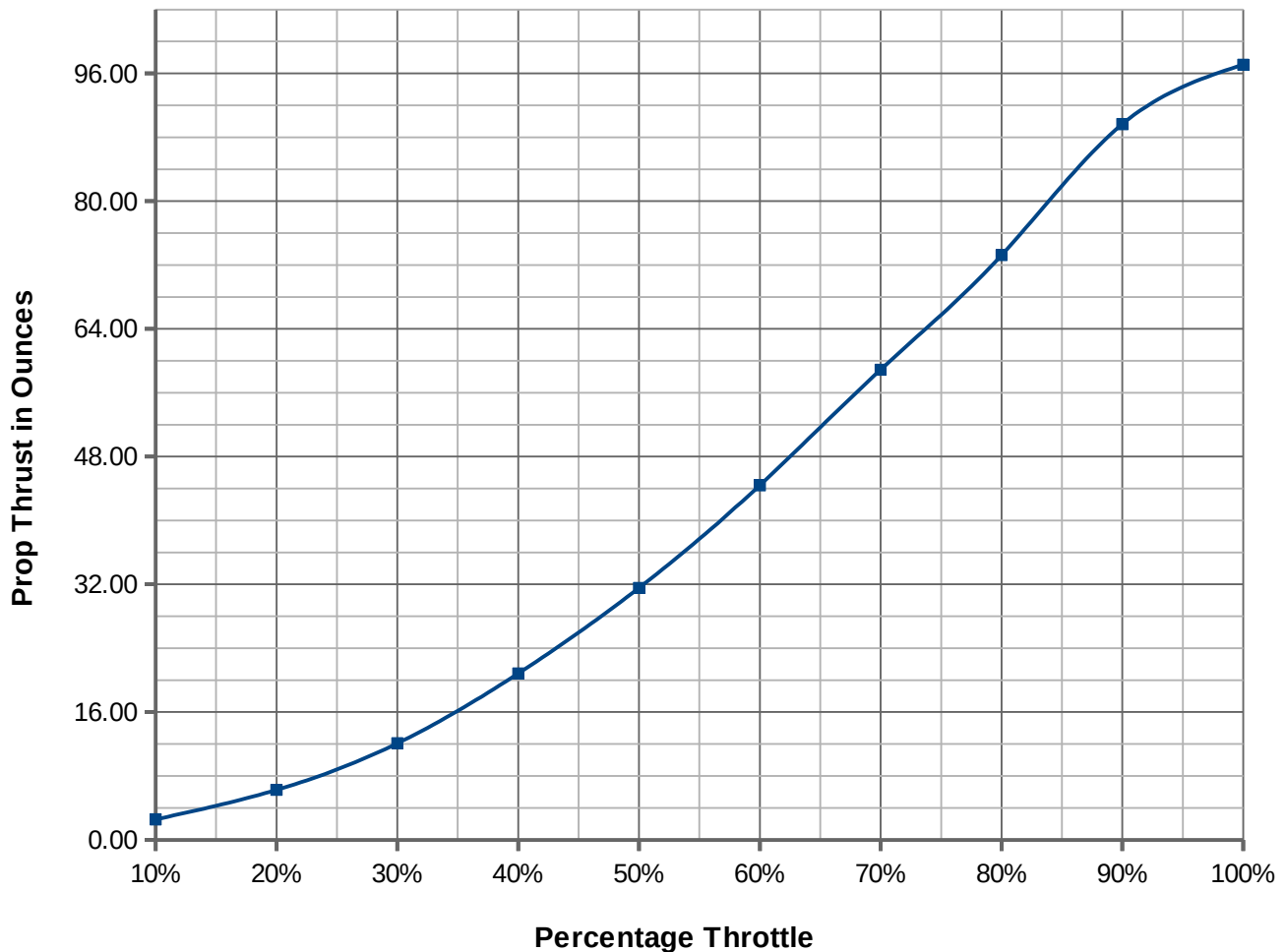
## Propeller RPM vs Throttle Position



# Cobra CM-3520/20 Motor Test Data, Kv=480

Data Collected at 22.2 volts with RC-Timer 13x5.5-CF Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.25	5.62	1,430	72.5	2.56	12.91
20%	0.65	14.41	2,268	177.6	6.26	12.33
30%	1.40	31.08	3,089	342.9	12.08	11.03
40%	2.84	63.11	3,978	591.4	20.84	9.37
50%	5.02	111.33	4,794	895.2	31.55	8.04
60%	8.17	181.33	5,540	1260.3	44.42	6.95
70%	12.43	275.88	6,309	1670.9	58.89	6.06
80%	17.83	395.76	6,993	2078.0	73.23	5.25
90%	24.52	544.34	7,592	2543.7	89.65	4.67
100%	28.52	633.14	7,945	2754.9	97.09	4.35

## Propeller Thrust vs Throttle Position



# Cobra CM-3520/20 Motor Test Data, Kv=480

Data Collected at 22.2 volts with RC-Timer 13x5.5-CF Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.25	5.62	1,430	72.5	2.56	12.91
20%	0.65	14.41	2,268	177.6	6.26	12.33
30%	1.40	31.08	3,089	342.9	12.08	11.03
40%	2.84	63.11	3,978	591.4	20.84	9.37
50%	5.02	111.33	4,794	895.2	31.55	8.04
60%	8.17	181.33	5,540	1260.3	44.42	6.95
70%	12.43	275.88	6,309	1670.9	58.89	6.06
80%	17.83	395.76	6,993	2078.0	73.23	5.25
90%	24.52	544.34	7,592	2543.7	89.65	4.67
100%	28.52	633.14	7,945	2754.9	97.09	4.35

## Propeller Efficiency vs Throttle Position

