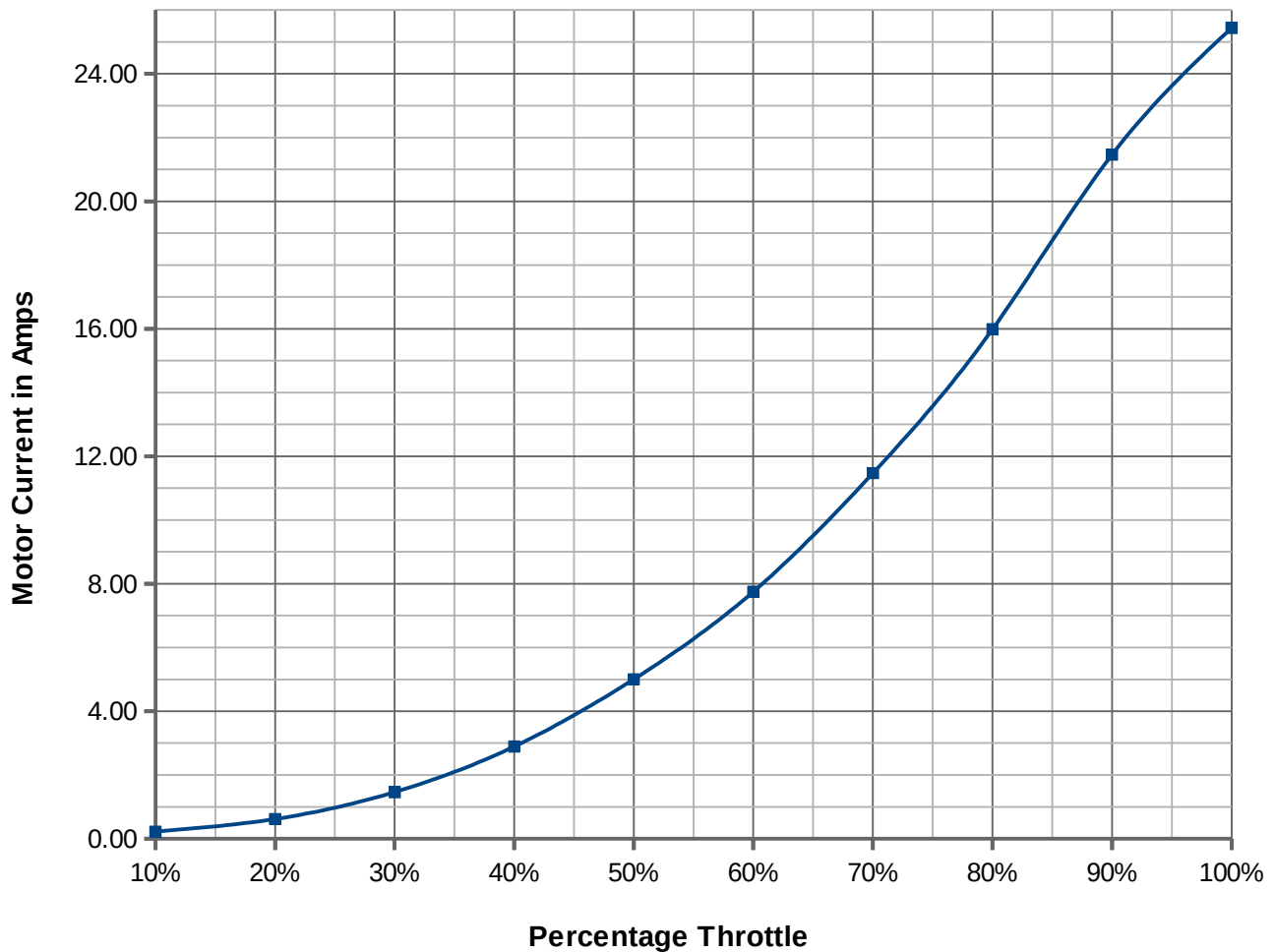


# Cobra CM-3520/20 Motor Test Data, Kv=480

Data Collected at 18.5 volts with GemFan 16x4.5-MR Wood Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.23	4.18	1,008	53.3	1.88	12.75
20%	0.62	11.45	1,704	156.5	5.52	13.67
30%	1.46	27.08	2,471	341.5	12.04	12.61
40%	2.89	53.52	3,197	601.4	21.19	11.24
50%	5.00	92.57	3,879	922.8	32.52	9.97
60%	7.75	143.36	4,538	1254.1	44.20	8.75
70%	11.47	212.16	5,176	1659.0	58.47	7.82
80%	15.98	295.69	5,775	2091.0	73.69	7.07
90%	21.46	397.07	6,367	2535.2	89.35	6.38
100%	25.44	470.64	6,711	2860.4	100.81	6.08

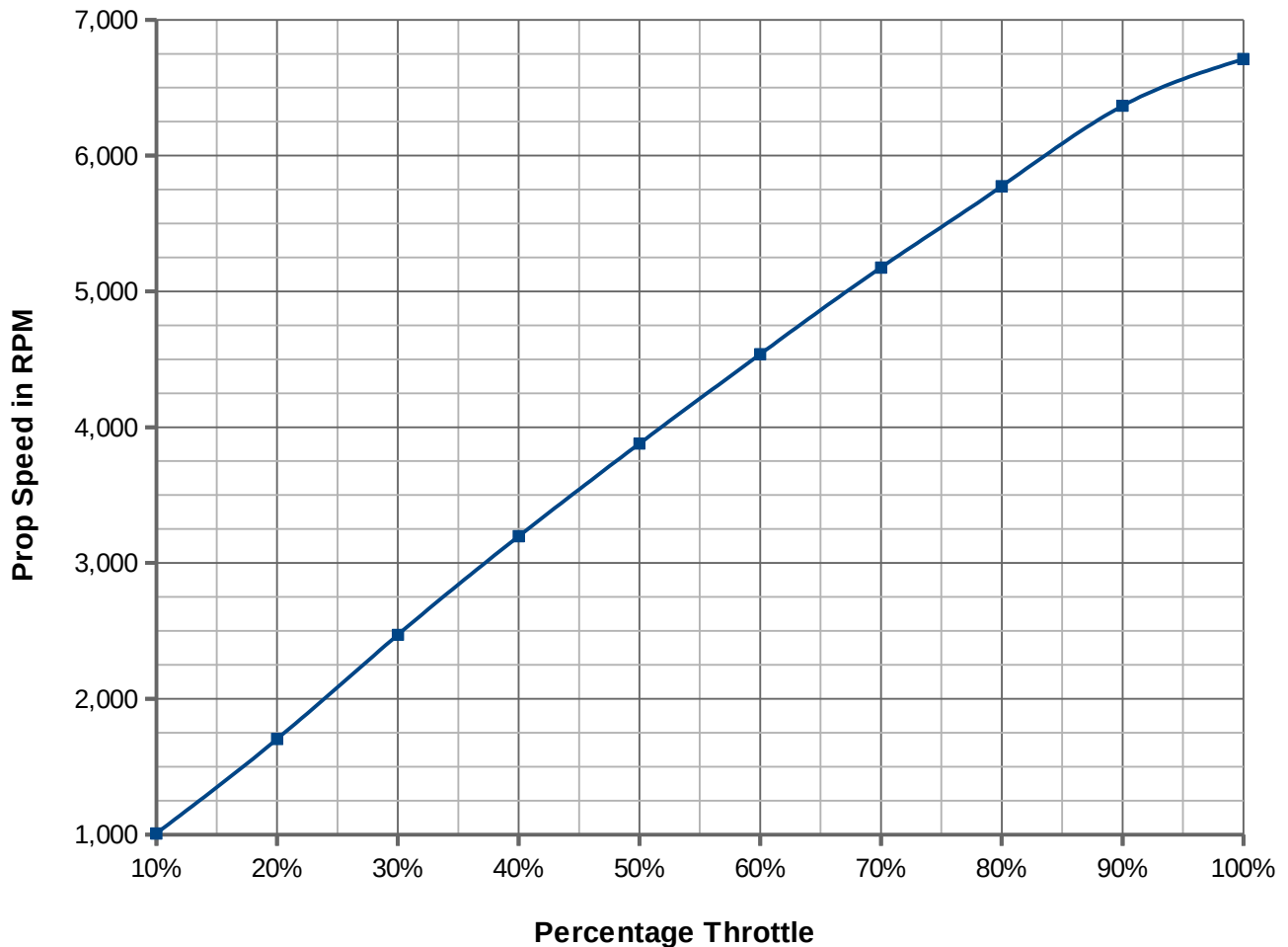
## Motor Current vs Throttle Position



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

Data Collected at 18.5 volts with GemFan 16x4.5-MR Wood Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.23	4.18	1,008	53.3	1.88	12.75
20%	0.62	11.45	1,704	156.5	5.52	13.67
30%	1.46	27.08	2,471	341.5	12.04	12.61
40%	2.89	53.52	3,197	601.4	21.19	11.24
50%	5.00	92.57	3,879	922.8	32.52	9.97
60%	7.75	143.36	4,538	1254.1	44.20	8.75
70%	11.47	212.16	5,176	1659.0	58.47	7.82
80%	15.98	295.69	5,775	2091.0	73.69	7.07
90%	21.46	397.07	6,367	2535.2	89.35	6.38
100%	25.44	470.64	6,711	2860.4	100.81	6.08

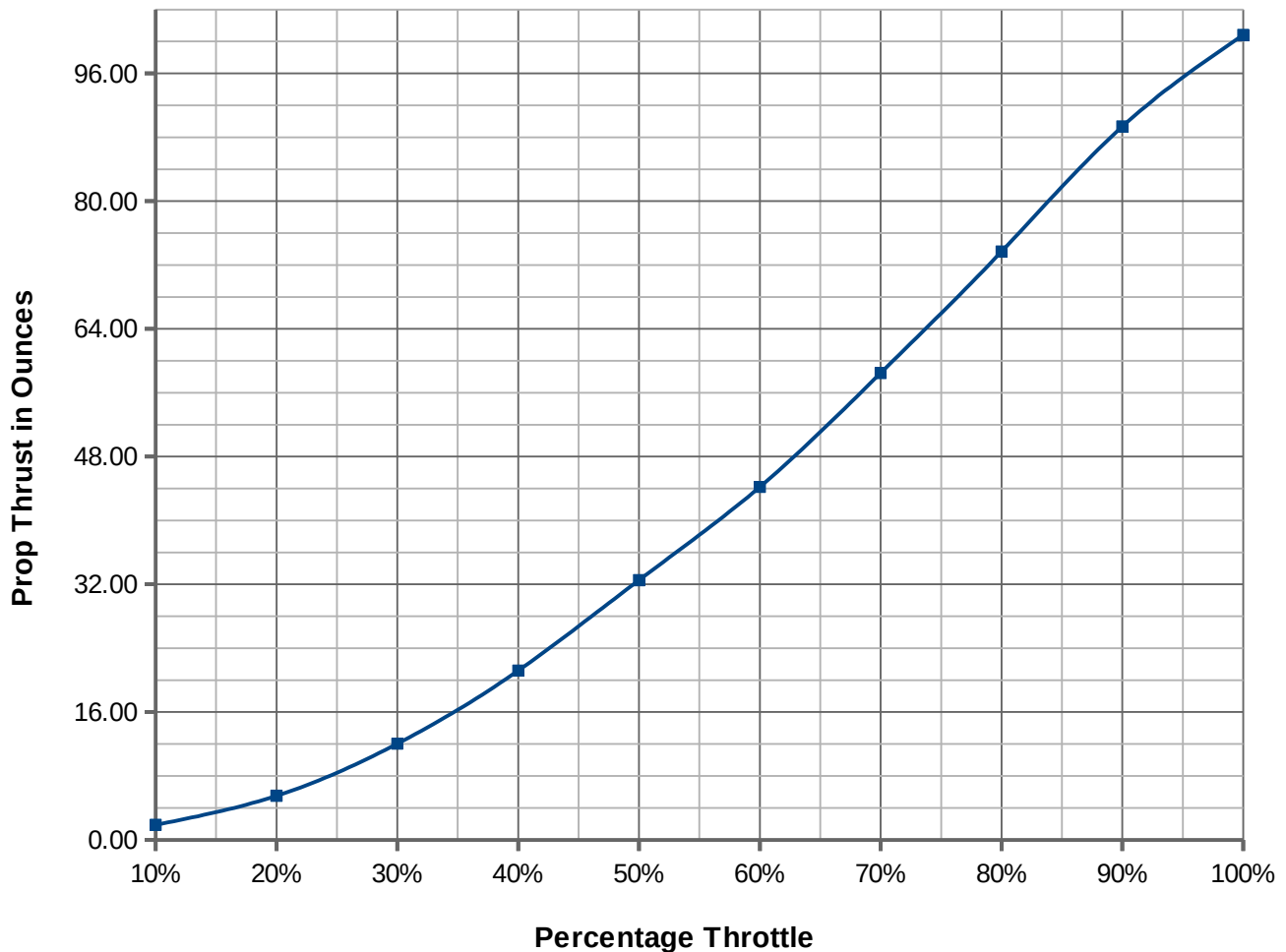
## Propeller RPM vs Throttle Position



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

Data Collected at 18.5 volts with GemFan 16x4.5-MR Wood Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.23	4.18	1,008	53.3	1.88	12.75
20%	0.62	11.45	1,704	156.5	5.52	13.67
30%	1.46	27.08	2,471	341.5	12.04	12.61
40%	2.89	53.52	3,197	601.4	21.19	11.24
50%	5.00	92.57	3,879	922.8	32.52	9.97
60%	7.75	143.36	4,538	1254.1	44.20	8.75
70%	11.47	212.16	5,176	1659.0	58.47	7.82
80%	15.98	295.69	5,775	2091.0	73.69	7.07
90%	21.46	397.07	6,367	2535.2	89.35	6.38
100%	25.44	470.64	6,711	2860.4	100.81	6.08

### Propeller Thrust vs Throttle Position



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

Data Collected at 18.5 volts with GemFan 16x4.5-MR Wood Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.23	4.18	1,008	53.3	1.88	12.75
20%	0.62	11.45	1,704	156.5	5.52	13.67
30%	1.46	27.08	2,471	341.5	12.04	12.61
40%	2.89	53.52	3,197	601.4	21.19	11.24
50%	5.00	92.57	3,879	922.8	32.52	9.97
60%	7.75	143.36	4,538	1254.1	44.20	8.75
70%	11.47	212.16	5,176	1659.0	58.47	7.82
80%	15.98	295.69	5,775	2091.0	73.69	7.07
90%	21.46	397.07	6,367	2535.2	89.35	6.38
100%	25.44	470.64	6,711	2860.4	100.81	6.08

## Propeller Efficiency vs Throttle Position

