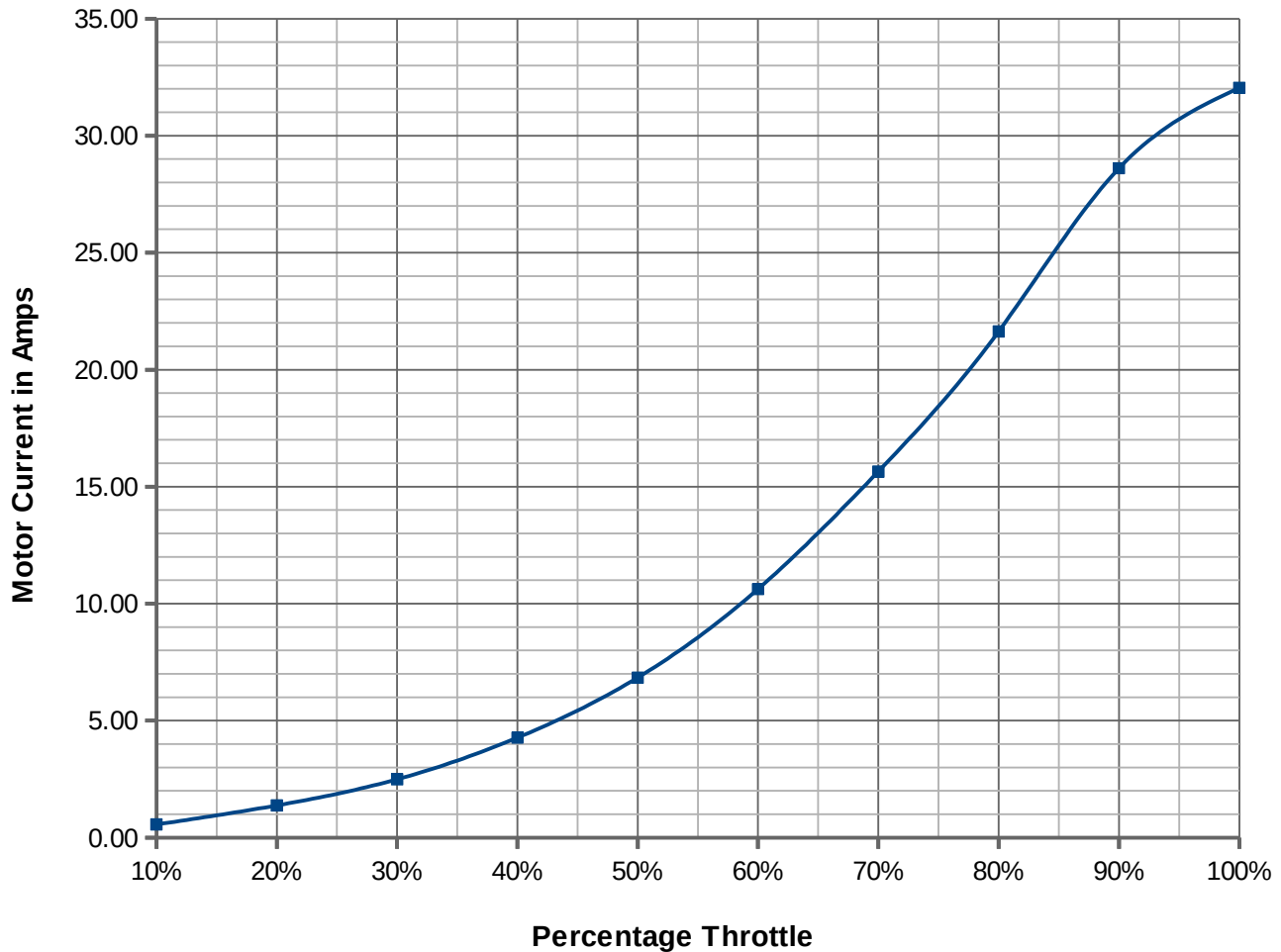


## Cobra CM-4520-14 Motor Test Data, Kv=400

Data Collected at 22.2 volts with GemFan 16x4.5-MR Wood Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.56	12.52	1,535	126.5	4.46	10.10
20%	1.38	30.57	2,379	336.8	11.87	11.02
30%	2.50	55.39	3,065	574.4	20.24	10.37
40%	4.27	94.86	3,804	904.9	31.89	9.54
50%	6.84	151.80	4,544	1315.0	46.34	8.66
60%	10.62	235.81	5,330	1817.7	64.06	7.71
70%	15.65	347.36	6,110	2431.9	85.71	7.00
80%	21.63	480.25	6,816	3016.7	106.32	6.28
90%	28.61	635.19	7,462	3685.5	129.89	5.80
100%	32.05	711.49	7,777	3949.6	139.19	5.55

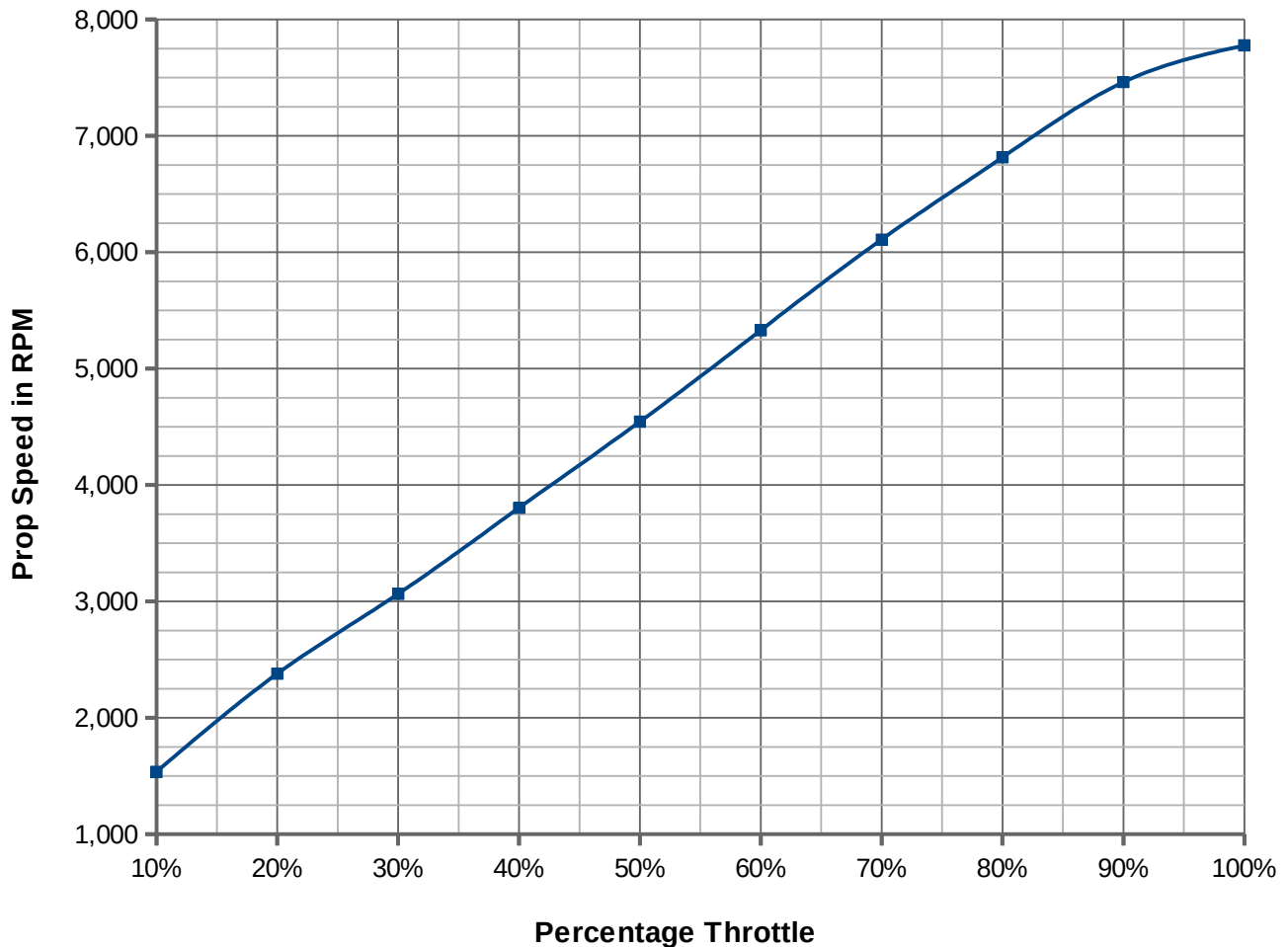
### Motor Current vs Throttle Position



## Cobra CM-4520-14 Motor Test Data, Kv=400

Data Collected at 22.2 volts with GemFan 16x4.5-MR Wood Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.56	12.52	1,535	126.5	4.46	10.10
20%	1.38	30.57	2,379	336.8	11.87	11.02
30%	2.50	55.39	3,065	574.4	20.24	10.37
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80%	21.63	480.25	6,816	3016.7	106.32	6.28
90%	28.61	635.19	7,462	3685.5	129.89	5.80
100%	32.05	711.49	7,777	3949.6	139.19	5.55

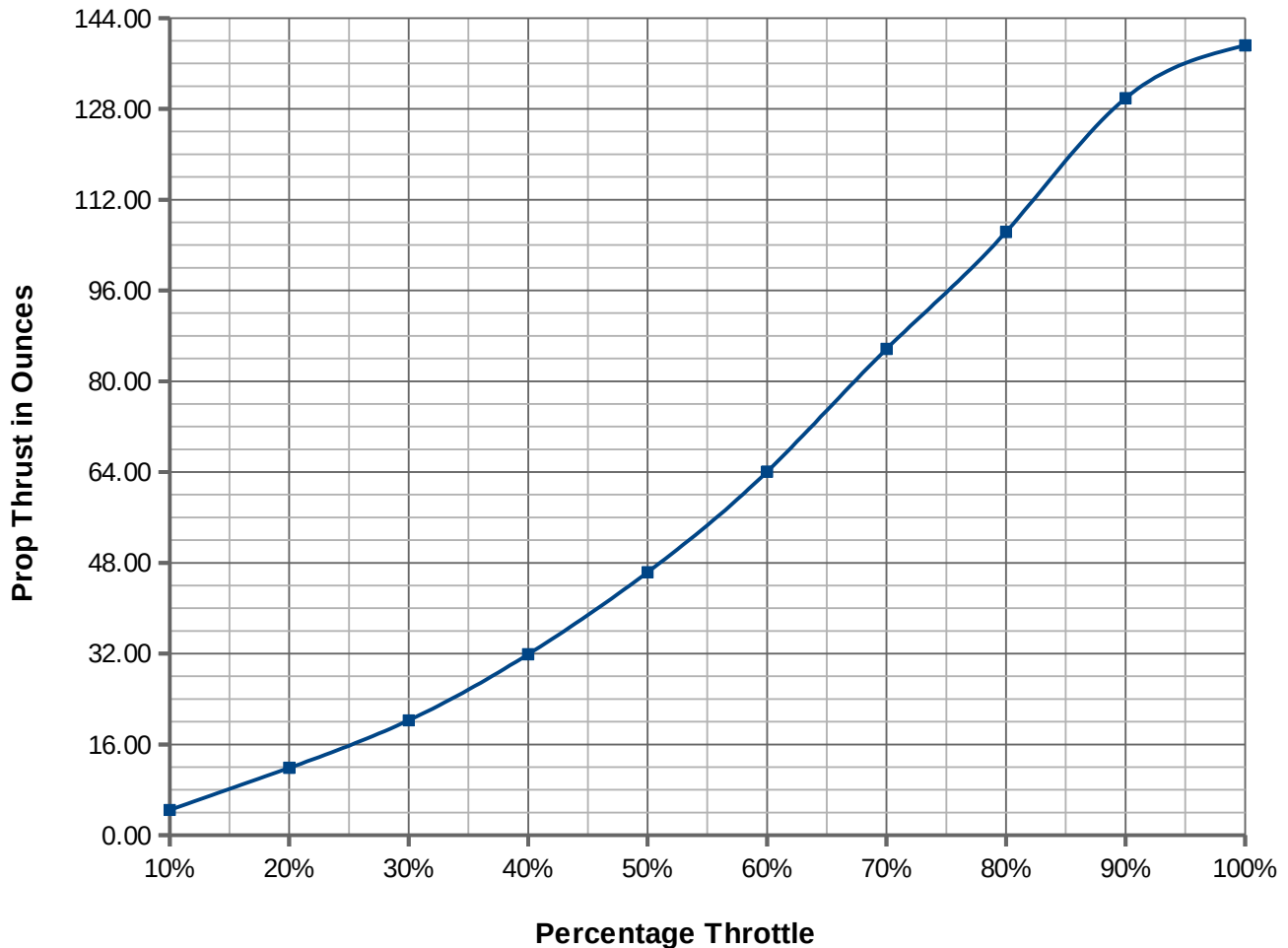
### Propeller RPM vs Throttle Position



## Cobra CM-4520-14 Motor Test Data, Kv=400

Data Collected at 22.2 volts with GemFan 16x4.5-MR Wood Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.56	12.52	1,535	126.5	4.46	10.10
20%	1.38	30.57	2,379	336.8	11.87	11.02
30%	2.50	55.39	3,065	574.4	20.24	10.37
40%	4.27	94.86	3,804	904.9	31.89	9.54
50%	6.84	151.80	4,544	1315.0	46.34	8.66
60%	10.62	235.81	5,330	1817.7	64.06	7.71
70%	15.65	347.36	6,110	2431.9	85.71	7.00
80%	21.63	480.25	6,816	3016.7	106.32	6.28
90%	28.61	635.19	7,462	3685.5	129.89	5.80
100%	32.05	711.49	7,777	3949.6	139.19	5.55

### Propeller Thrust vs Throttle Position



## Cobra CM-4520-14 Motor Test Data, Kv=400

Data Collected at 22.2 volts with GemFan 16x4.5-MR Wood Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.56	12.52	1,535	126.5	4.46	10.10
20%	1.38	30.57	2,379	336.8	11.87	11.02
30%	2.50	55.39	3,065	574.4	20.24	10.37
40%	4.27	94.86	3,804	904.9	31.89	9.54
50%	6.84	151.80	4,544	1315.0	46.34	8.66
60%	10.62	235.81	5,330	1817.7	64.06	7.71
70%	15.65	347.36	6,110	2431.9	85.71	7.00
80%	21.63	480.25	6,816	3016.7	106.32	6.28
90%	28.61	635.19	7,462	3685.5	129.89	5.80
100%	32.05	711.49	7,777	3949.6	139.19	5.55

### Propeller Efficiency vs Throttle Position

