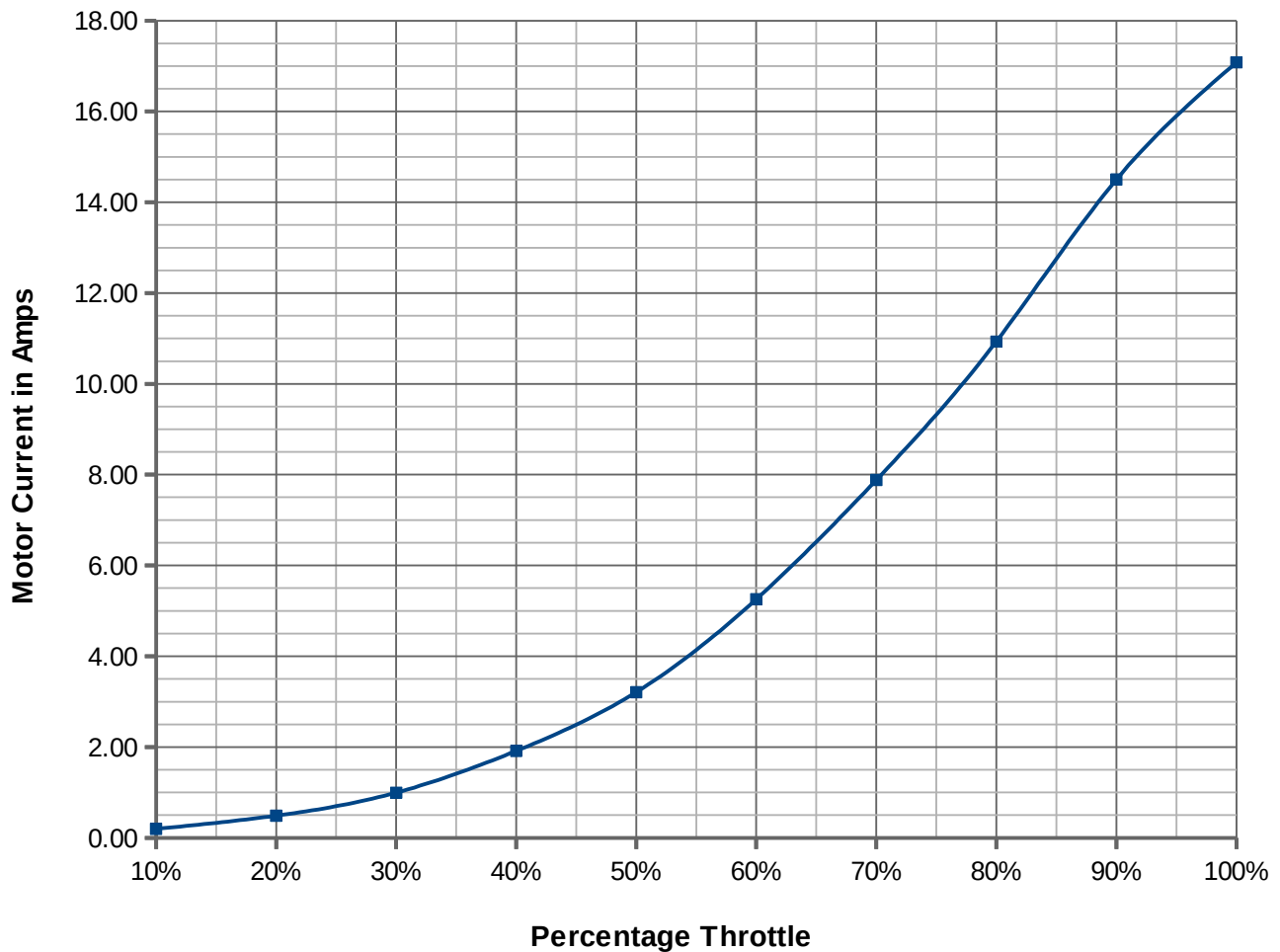


# Cobra CM-4008/24 Motor Test Data, Kv=600

Data Collected at 14.8 volts with GemFan 13x4.5-MR Wood Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.20	2.96	1,134	35.4	1.25	11.96
20%	0.49	7.24	1,834	96.9	3.41	13.39
30%	1.00	14.76	2,537	184.7	6.51	12.52
40%	1.92	28.36	3,294	321.4	11.33	11.33
50%	3.21	47.51	3,971	477.7	16.84	10.06
60%	5.26	77.79	4,734	702.8	24.77	9.03
70%	7.88	116.65	5,447	944.2	33.28	8.09
80%	10.93	161.82	6,098	1182.8	41.68	7.31
90%	14.50	214.61	6,717	1418.4	49.99	6.61
100%	17.08	252.80	7,049	1600.8	56.42	6.33

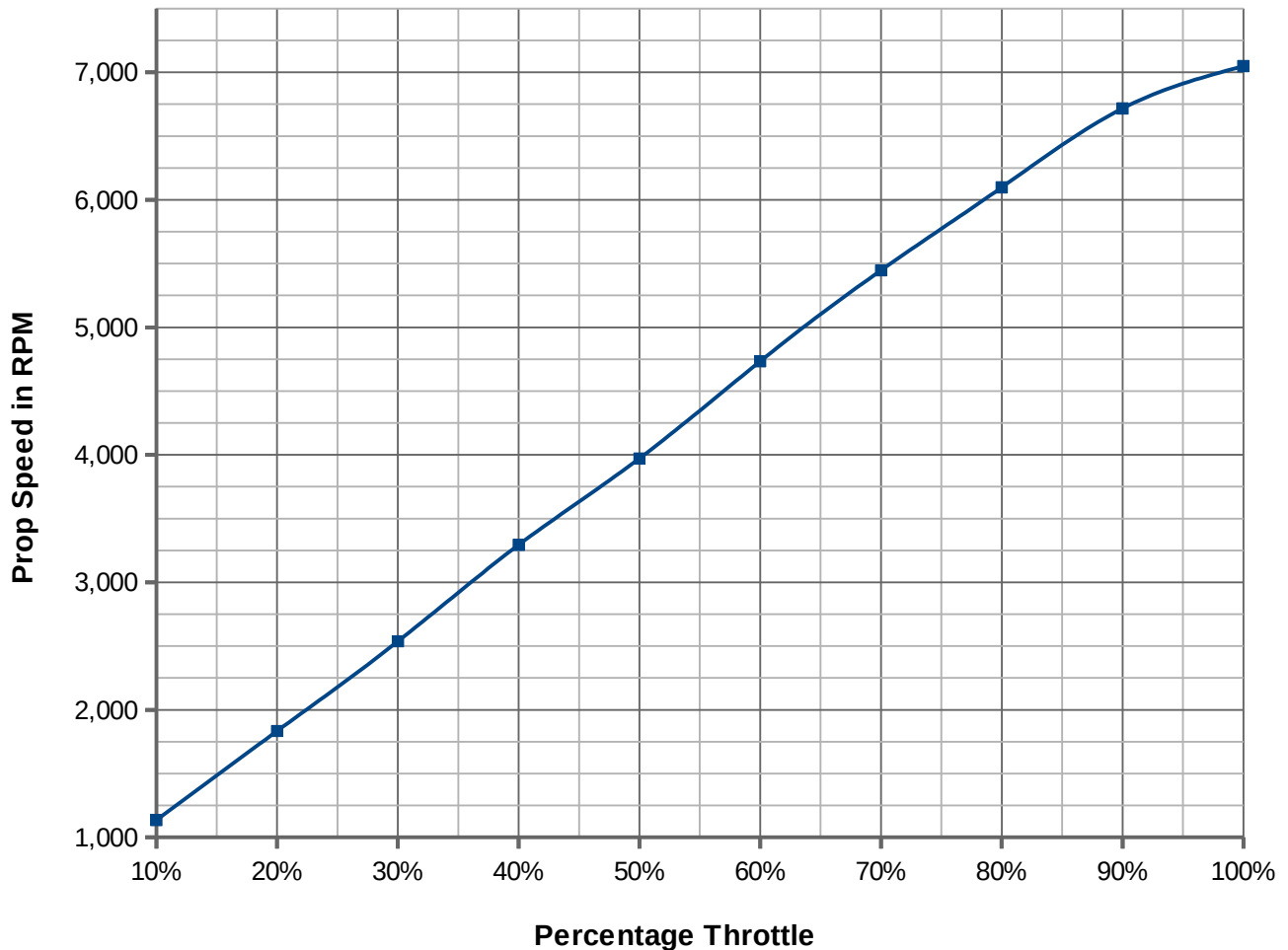
## Motor Current vs Throttle Position



# Cobra CM-4008/24 Motor Test Data, Kv=600

Data Collected at 14.8 volts with GemFan 13x4.5-MR Wood Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.20	2.96	1,134	35.4	1.25	11.96
20%	0.49	7.24	1,834	96.9	3.41	13.39
30%	1.00	14.76	2,537	184.7	6.51	12.52
40%	1.92	28.36	3,294	321.4	11.33	11.33
50%	3.21	47.51	3,971	477.7	16.84	10.06
60%	5.26	77.79	4,734	702.8	24.77	9.03
70%	7.88	116.65	5,447	944.2	33.28	8.09
80%	10.93	161.82	6,098	1182.8	41.68	7.31
90%	14.50	214.61	6,717	1418.4	49.99	6.61
100%	17.08	252.80	7,049	1600.8	56.42	6.33

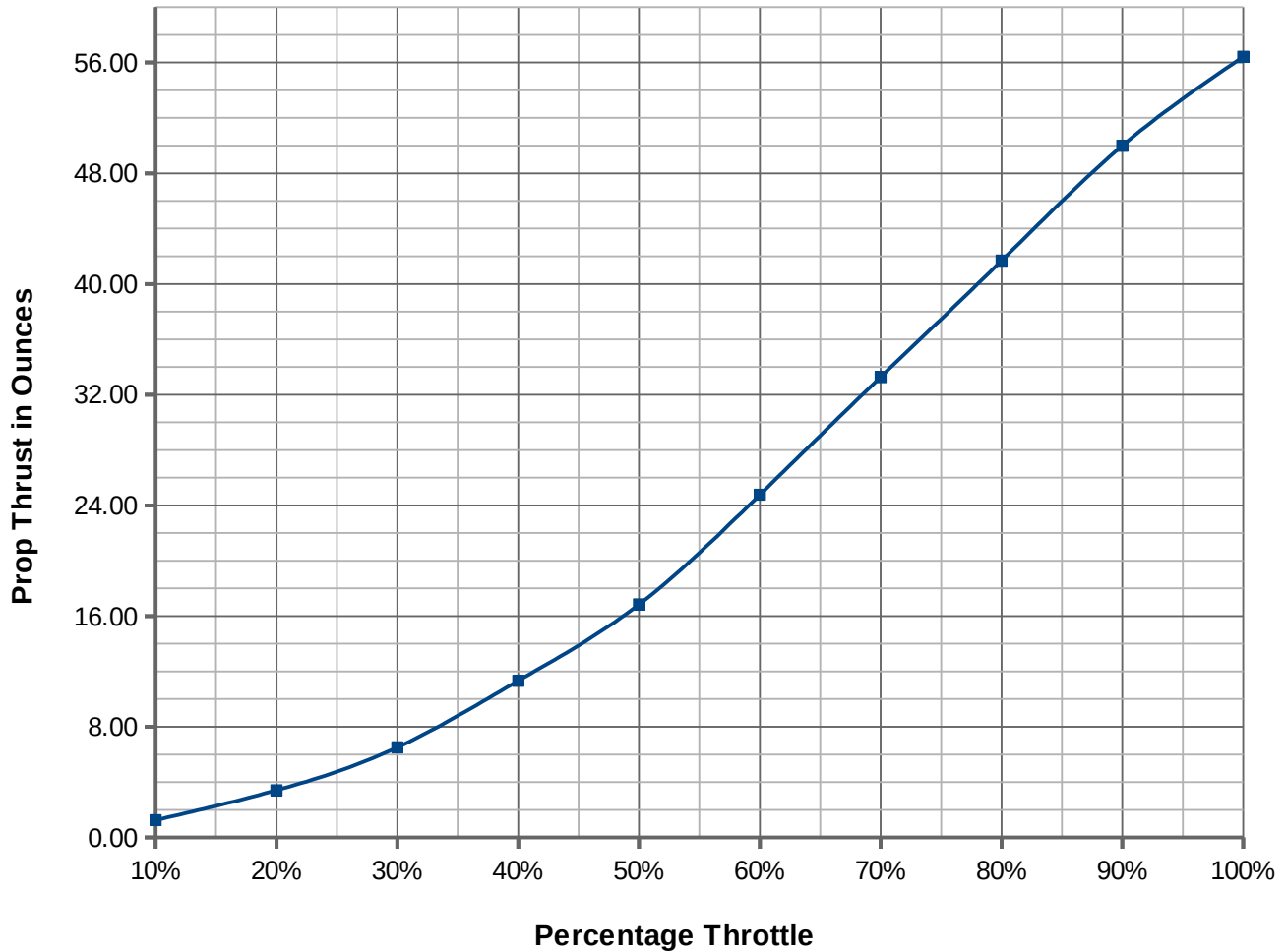
## Propeller RPM vs Throttle Position



# Cobra CM-4008/24 Motor Test Data, Kv=600

Data Collected at 14.8 volts with GemFan 13x4.5-MR Wood Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.20	2.96	1,134	35.4	<b>1.25</b>	11.96
20%	0.49	7.24	1,834	96.9	<b>3.41</b>	13.39
30%	1.00	14.76	2,537	184.7	<b>6.51</b>	12.52
40%	1.92	28.36	3,294	321.4	<b>11.33</b>	11.33
50%	3.21	47.51	3,971	477.7	<b>16.84</b>	10.06
60%	5.26	77.79	4,734	702.8	<b>24.77</b>	9.03
70%	7.88	116.65	5,447	944.2	<b>33.28</b>	8.09
80%	10.93	161.82	6,098	1182.8	<b>41.68</b>	7.31
90%	14.50	214.61	6,717	1418.4	<b>49.99</b>	6.61
100%	17.08	252.80	7,049	1600.8	<b>56.42</b>	6.33

## Propeller Thrust vs Throttle Position



## Cobra CM-4008/24 Motor Test Data, Kv=600

Data Collected at 14.8 volts with GemFan 13x4.5-MR Wood Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.20	2.96	1,134	35.4	1.25	11.96
20%	0.49	7.24	1,834	96.9	3.41	13.39
30%	1.00	14.76	2,537	184.7	6.51	12.52
40%	1.92	28.36	3,294	321.4	11.33	11.33
50%	3.21	47.51	3,971	477.7	16.84	10.06
60%	5.26	77.79	4,734	702.8	24.77	9.03
70%	7.88	116.65	5,447	944.2	33.28	8.09
80%	10.93	161.82	6,098	1182.8	41.68	7.31
90%	14.50	214.61	6,717	1418.4	49.99	6.61
100%	17.08	252.80	7,049	1600.8	56.42	6.33

### Propeller Efficiency vs Throttle Position

