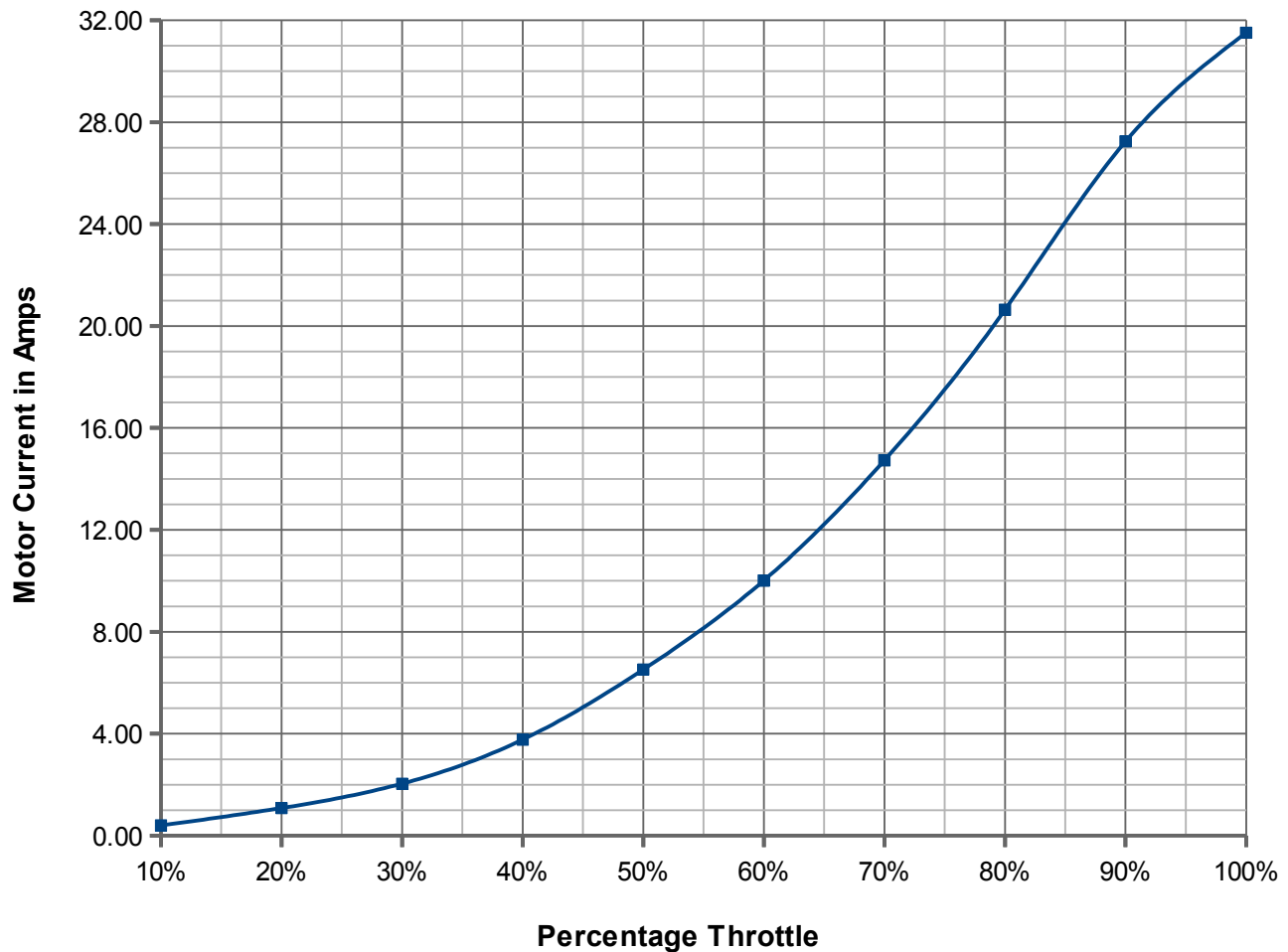


Cobra CM-2820/16 Motor Test Data, Kv=740

Data Collected at 14.8 volts with GemFan 15x4.5-MR Wood Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.40	5.96	1,496	87.4	3.08	14.65
20%	1.08	16.04	2,308	201.3	7.09	12.55
30%	2.04	30.21	2,950	340.4	12.00	11.27
40%	3.77	55.80	3,703	553.0	19.49	9.91
50%	6.52	96.48	4,464	860.9	30.34	8.92
60%	10.01	148.16	5,171	1160.6	40.90	7.83
70%	14.73	217.94	5,849	1531.0	53.96	7.02
80%	20.64	305.44	6,478	1912.6	67.40	6.26
90%	27.24	403.21	7,038	2270.3	80.01	5.63
100%	31.51	466.35	7,330	2490.5	87.77	5.34

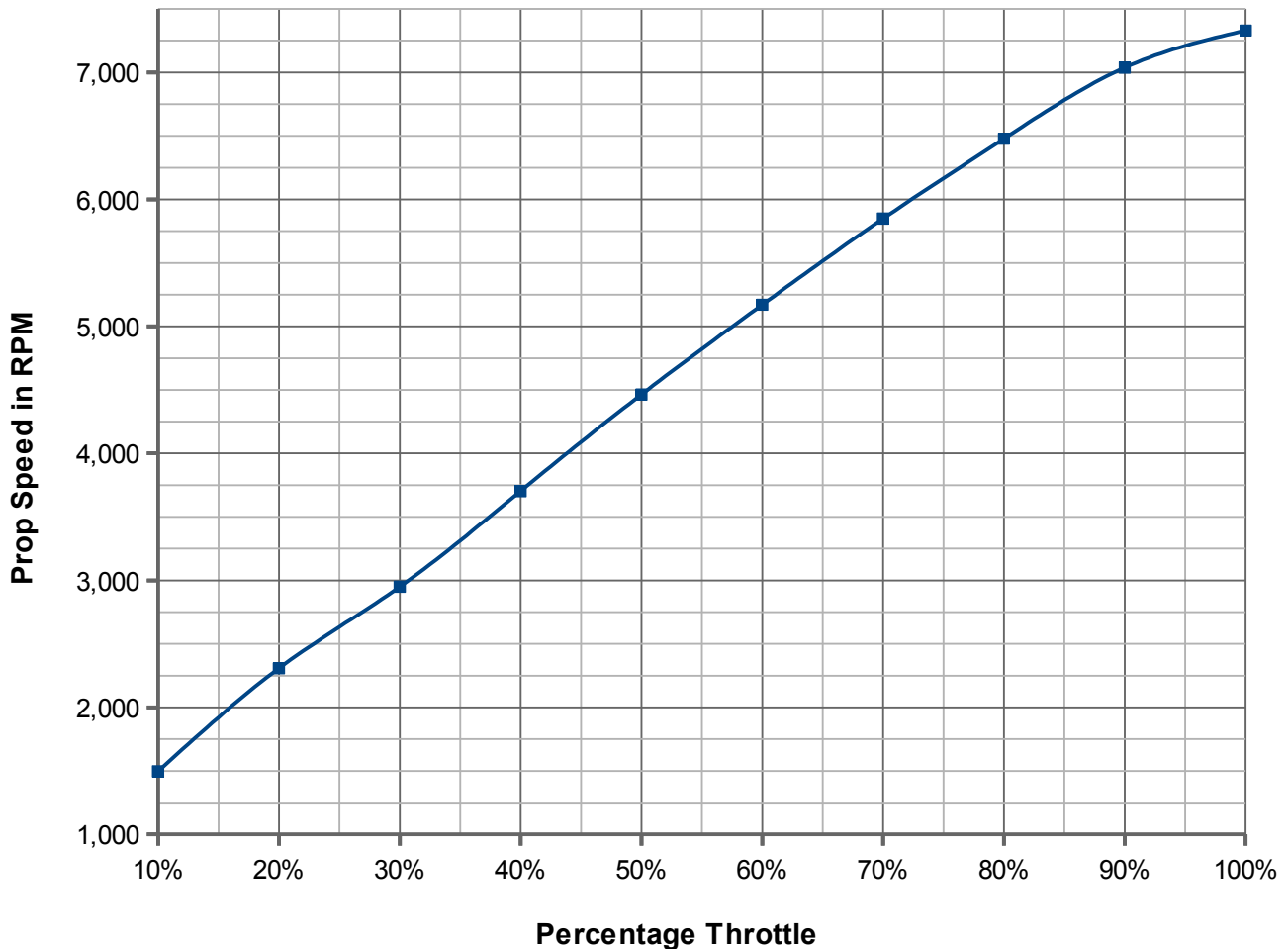
Motor Current vs Throttle Position



Cobra CM-2820/16 Motor Test Data, Kv=740

Data Collected at 14.8 volts with GemFan 15x4.5-MR Wood Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.40	5.96	1,496	87.4	3.08	14.65
20%	1.08	16.04	2,308	201.3	7.09	12.55
30%	2.04	30.21	2,950	340.4	12.00	11.27
40%	3.77	55.80	3,703	553.0	19.49	9.91
50%	6.52	96.48	4,464	860.9	30.34	8.92
60%	10.01	148.16	5,171	1160.6	40.90	7.83
70%	14.73	217.94	5,849	1531.0	53.96	7.02
80%	20.64	305.44	6,478	1912.6	67.40	6.26
90%	27.24	403.21	7,038	2270.3	80.01	5.63
100%	31.51	466.35	7,330	2490.5	87.77	5.34

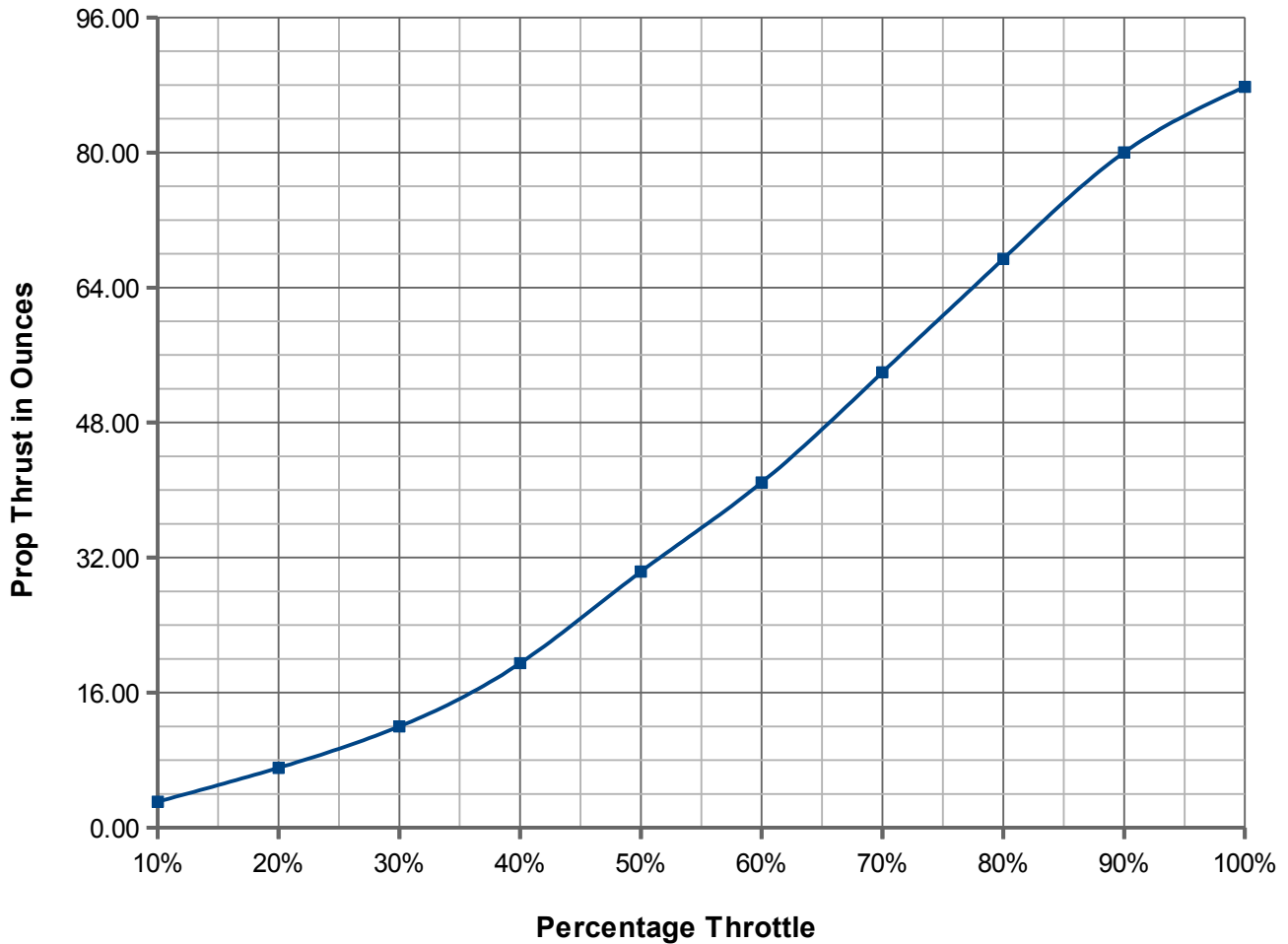
Propeller RPM vs Throttle Position



Cobra CM-2820/16 Motor Test Data, Kv=740

Data Collected at 14.8 volts with GemFan 15x4.5-MR Wood Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.40	5.96	1,496	87.4	3.08	14.65
20%	1.08	16.04	2,308	201.3	7.09	12.55
30%	2.04	30.21	2,950	340.4	12.00	11.27
40%	3.77	55.80	3,703	553.0	19.49	9.91
50%	6.52	96.48	4,464	860.9	30.34	8.92
60%	10.01	148.16	5,171	1160.6	40.90	7.83
70%	14.73	217.94	5,849	1531.0	53.96	7.02
80%	20.64	305.44	6,478	1912.6	67.40	6.26
90%	27.24	403.21	7,038	2270.3	80.01	5.63
100%	31.51	466.35	7,330	2490.5	87.77	5.34

Propeller Thrust vs Throttle Position



Cobra CM-2820/16 Motor Test Data, Kv=740

Data Collected at 14.8 volts with GemFan 15x4.5-MR Wood Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.40	5.96	1,496	87.4	3.08	14.65
20%	1.08	16.04	2,308	201.3	7.09	12.55
30%	2.04	30.21	2,950	340.4	12.00	11.27
40%	3.77	55.80	3,703	553.0	19.49	9.91
50%	6.52	96.48	4,464	860.9	30.34	8.92
60%	10.01	148.16	5,171	1160.6	40.90	7.83
70%	14.73	217.94	5,849	1531.0	53.96	7.02
80%	20.64	305.44	6,478	1912.6	67.40	6.26
90%	27.24	403.21	7,038	2270.3	80.01	5.63
100%	31.51	466.35	7,330	2490.5	87.77	5.34

Propeller Efficiency vs Throttle Position

