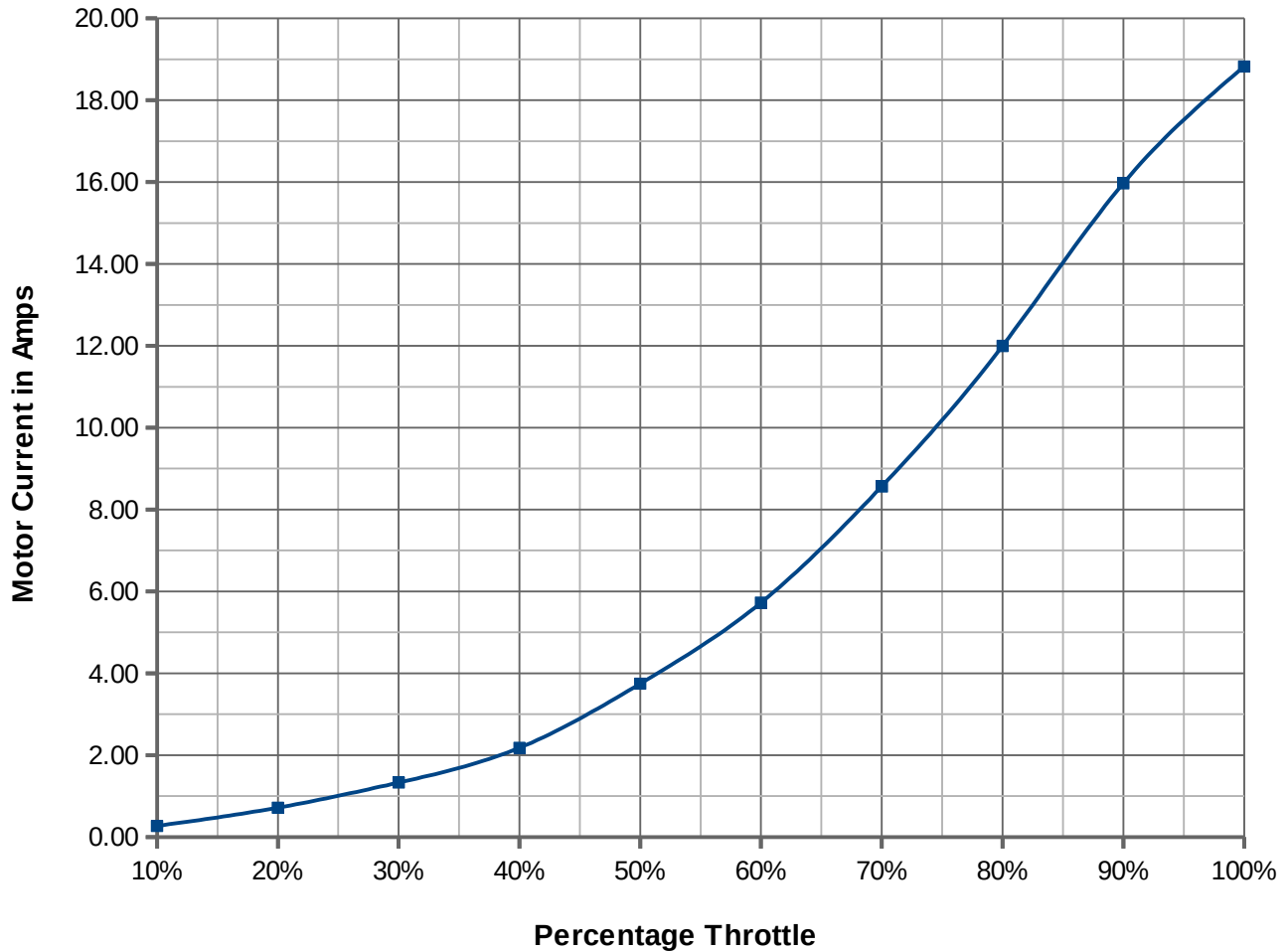


Cobra CM-2814/24 Motor Test Data, Kv=700

Data Collected at 14.8 volts with GemFan 12x4-MR Wood Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.27	4.04	1,638	56.3	1.98	13.93
20%	0.72	10.66	2,480	132.6	4.67	12.44
30%	1.33	19.71	3,171	220.9	7.79	11.21
40%	2.18	32.29	3,849	333.9	11.77	10.34
50%	3.75	55.46	4,676	517.0	18.22	9.32
60%	5.73	84.74	5,457	708.4	24.97	8.36
70%	8.57	126.79	6,255	957.0	33.73	7.55
80%	12.00	177.59	7,008	1205.8	42.50	6.79
90%	15.97	236.40	7,699	1466.8	51.69	6.20
100%	18.83	278.61	8,095	1642.7	57.89	5.90

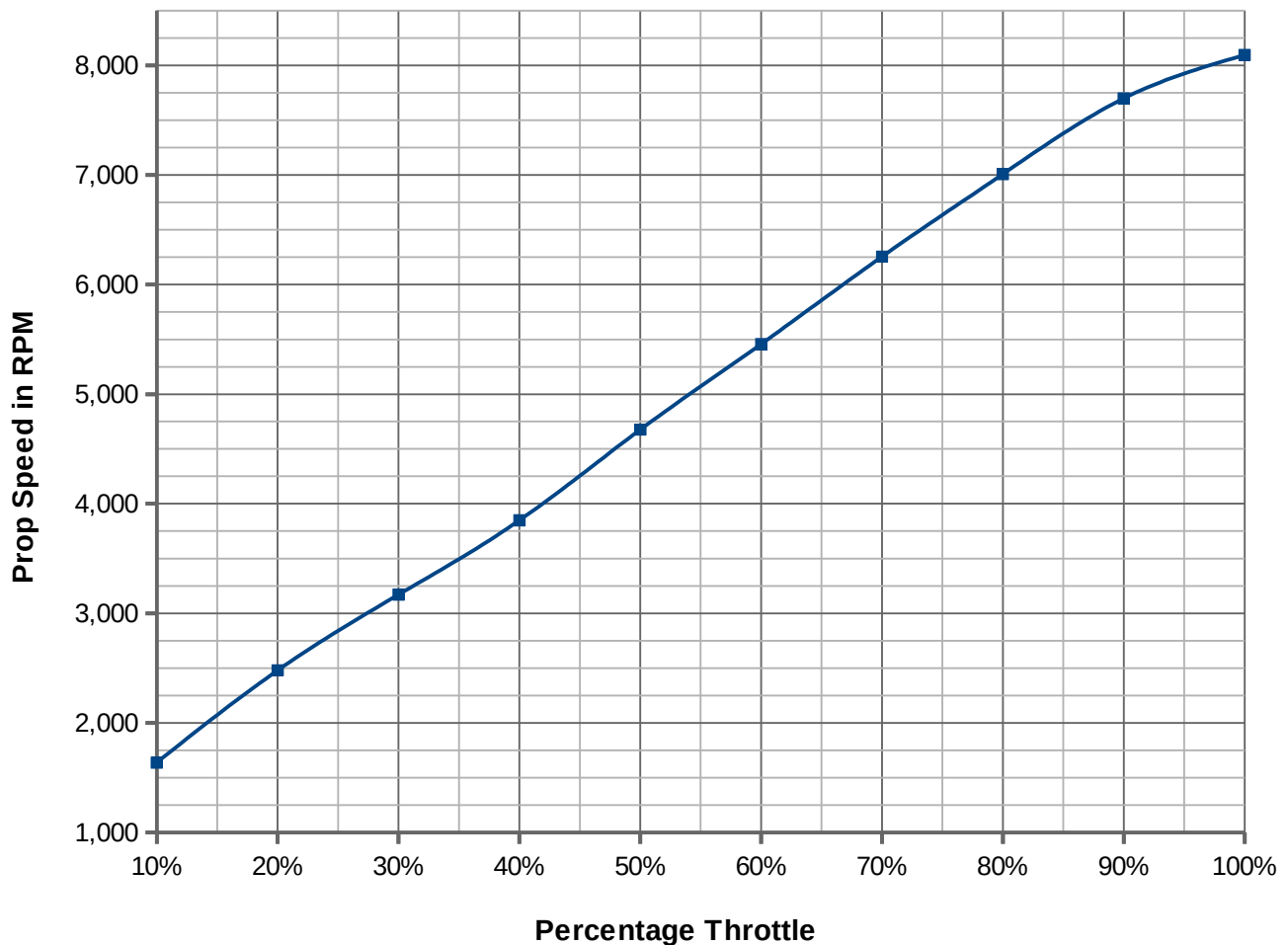
Motor Current vs Throttle Position



Cobra CM-2814/24 Motor Test Data, Kv=700

Data Collected at 14.8 volts with GemFan 12x4-MR Wood Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.27	4.04	1,638	56.3	1.98	13.93
20%	0.72	10.66	2,480	132.6	4.67	12.44
30%	1.33	19.71	3,171	220.9	7.79	11.21
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70%	8.57	126.79	6,255	957.0	33.73	7.55
80%	12.00	177.59	7,008	1205.8	42.50	6.79
90%	15.97	236.40	7,699	1466.8	51.69	6.20
100%	18.83	278.61	8,095	1642.7	57.89	5.90

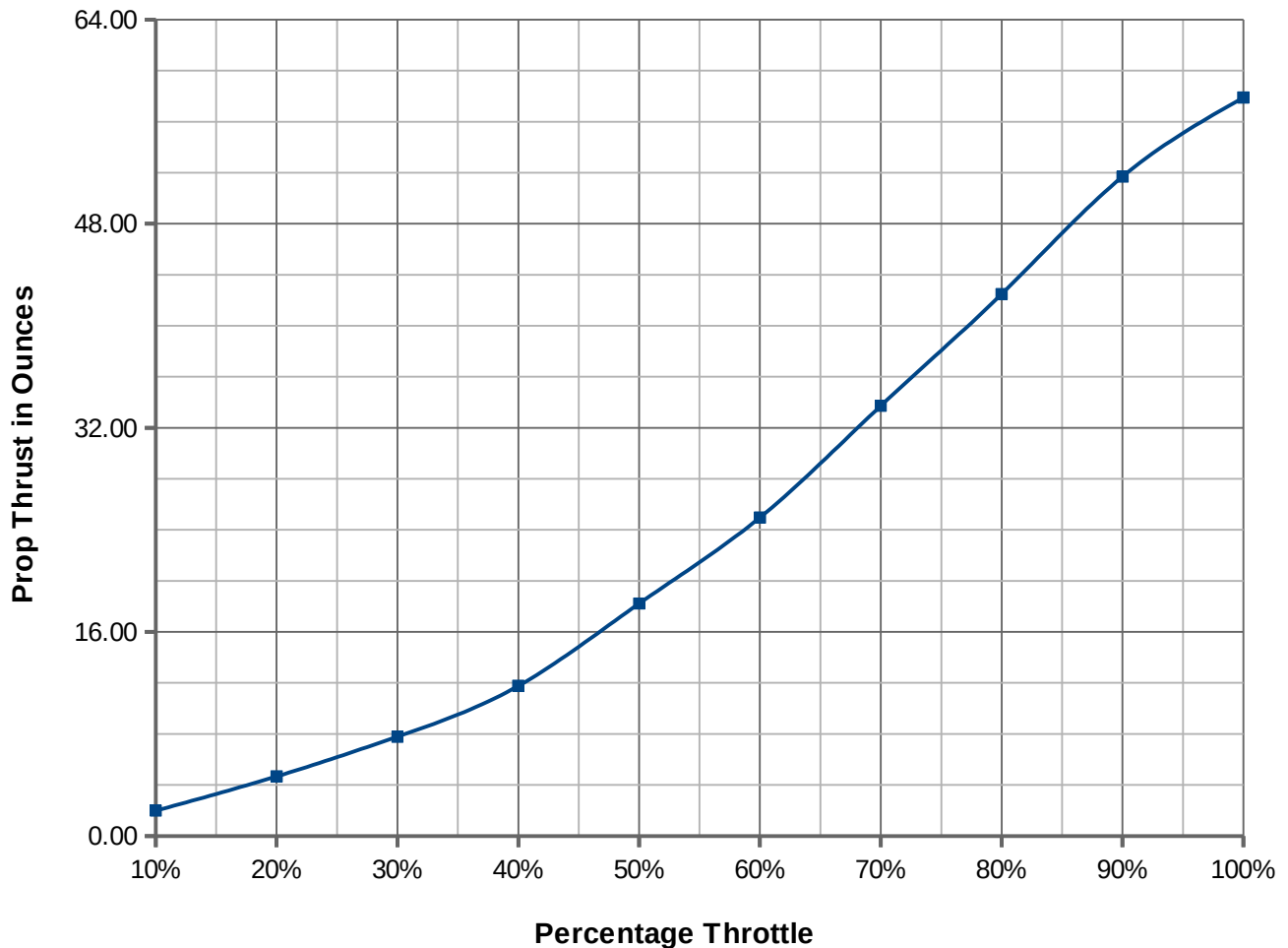
Propeller RPM vs Throttle Position



Cobra CM-2814/24 Motor Test Data, Kv=700

Data Collected at 14.8 volts with GemFan 12x4-MR Wood Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.27	4.04	1,638	56.3	1.98	13.93
20%	0.72	10.66	2,480	132.6	4.67	12.44
30%	1.33	19.71	3,171	220.9	7.79	11.21
40%	2.18	32.29	3,849	333.9	11.77	10.34
50%	3.75	55.46	4,676	517.0	18.22	9.32
60%	5.73	84.74	5,457	708.4	24.97	8.36
70%	8.57	126.79	6,255	957.0	33.73	7.55
80%	12.00	177.59	7,008	1205.8	42.50	6.79
90%	15.97	236.40	7,699	1466.8	51.69	6.20
100%	18.83	278.61	8,095	1642.7	57.89	5.90

Propeller Thrust vs Throttle Position



Cobra CM-2814/24 Motor Test Data, Kv=700

Data Collected at 14.8 volts with GemFan 12x4-MR Wood Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.27	4.04	1,638	56.3	1.98	13.93
20%	0.72	10.66	2,480	132.6	4.67	12.44
30%	1.33	19.71	3,171	220.9	7.79	11.21
40%	2.18	32.29	3,849	333.9	11.77	10.34
50%	3.75	55.46	4,676	517.0	18.22	9.32
60%	5.73	84.74	5,457	708.4	24.97	8.36
70%	8.57	126.79	6,255	957.0	33.73	7.55
80%	12.00	177.59	7,008	1205.8	42.50	6.79
90%	15.97	236.40	7,699	1466.8	51.69	6.20
100%	18.83	278.61	8,095	1642.7	57.89	5.90

Propeller Efficiency vs Throttle Position

