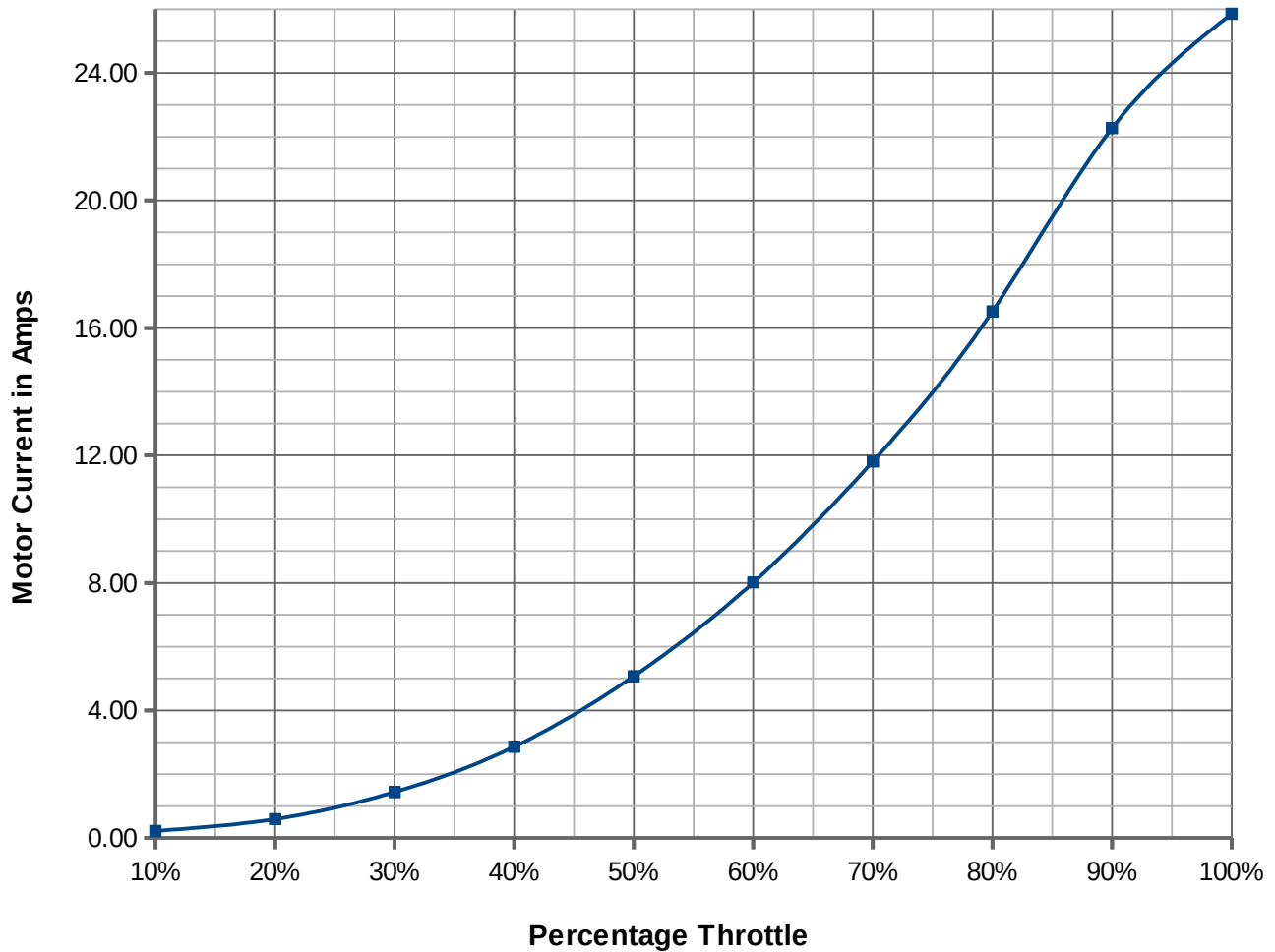


Cobra CM-3515-20 Motor Test Data, Kv=650

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%	0.22	3.26	1,072	43.4	1.53	13.33
20%	0.59	8.75	1,810	119.4	4.21	13.65
30%	1.44	21.28	2,644	264.8	9.33	12.44
40%	2.86	42.30	3,432	463.2	16.32	10.95
50%	5.07	75.08	4,193	735.9	25.93	9.80
60%	8.01	118.59	4,891	1031.2	36.34	8.70
70%	11.81	174.77	5,554	1356.8	47.82	7.76
80%	16.53	244.57	6,190	1707.9	60.19	6.98
90%	22.27	329.55	6,762	2100.5	74.03	6.37
100%	25.86	382.70	7,081	2293.9	80.84	5.99

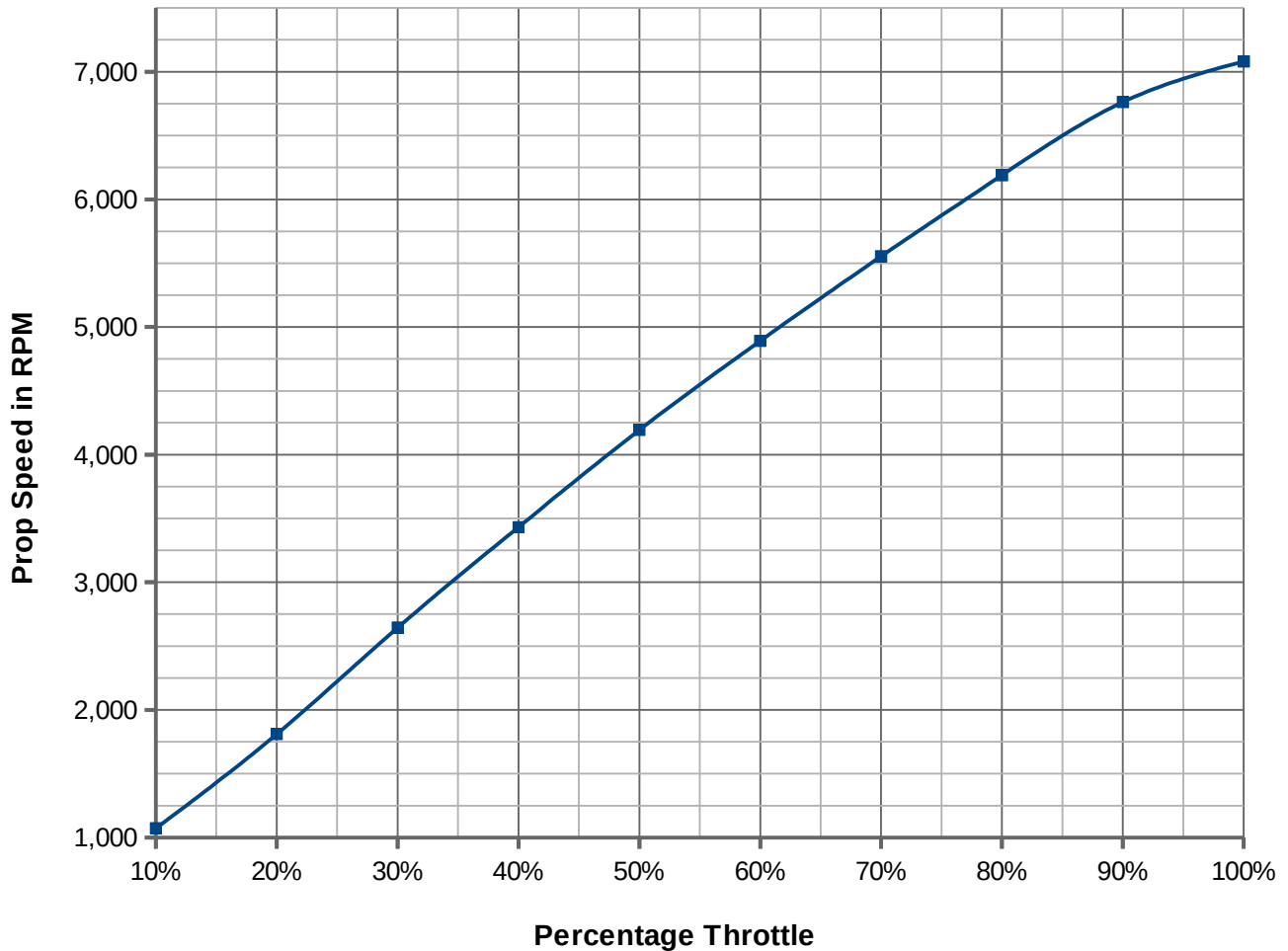
Motor Current vs Throttle Position



Cobra CM-3515-20 Motor Test Data, Kv=650

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%	0.22	3.26	1,072	43.4	1.53	13.33
20%	0.59	8.75	1,810	119.4	4.21	13.65
30%	1.44	21.28	2,644	264.8	9.33	12.44
40%	2.86	42.30	3,432	463.2	16.32	10.95
50%	5.07	75.08	4,193	735.9	25.93	9.80
60%	8.01	118.59	4,891	1031.2	36.34	8.70
70%	11.81	174.77	5,554	1356.8	47.82	7.76
80%	16.53	244.57	6,190	1707.9	60.19	6.98
90%	22.27	329.55	6,762	2100.5	74.03	6.37
100%	25.86	382.70	7,081	2293.9	80.84	5.99

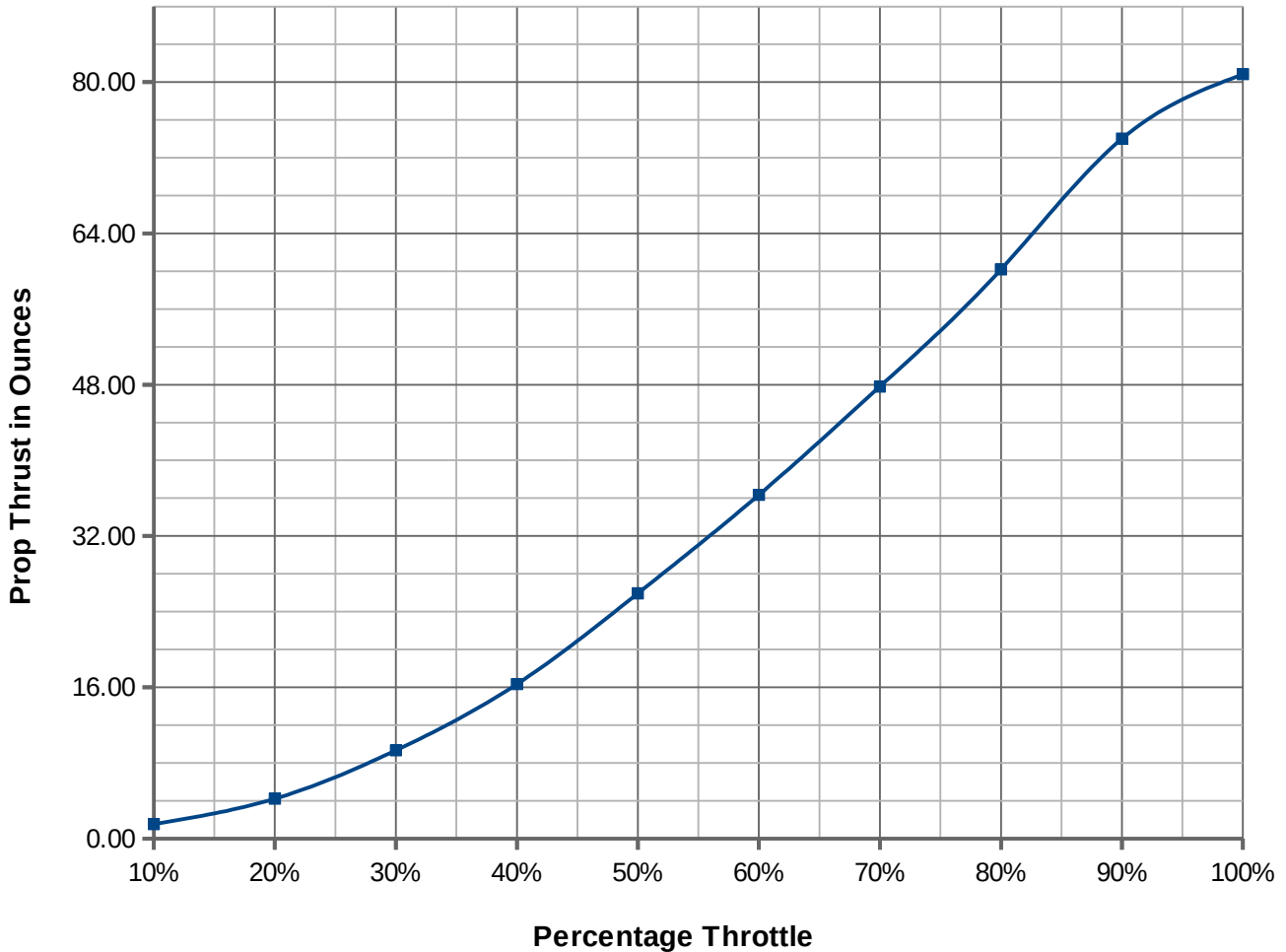
Propeller RPM vs Throttle Position



Cobra CM-3515-20 Motor Test Data, Kv=650

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%	0.22	3.26	1,072	43.4	1.53	13.33
20%	0.59	8.75	1,810	119.4	4.21	13.65
30%	1.44	21.28	2,644	264.8	9.33	12.44
40%	2.86	42.30	3,432	463.2	16.32	10.95
50%	5.07	75.08	4,193	735.9	25.93	9.80
60%	8.01	118.59	4,891	1031.2	36.34	8.70
70%	11.81	174.77	5,554	1356.8	47.82	7.76
80%	16.53	244.57	6,190	1707.9	60.19	6.98
90%	22.27	329.55	6,762	2100.5	74.03	6.37
100%	25.86	382.70	7,081	2293.9	80.84	5.99

Propeller Thrust vs Throttle Position



Cobra CM-3515-20 Motor Test Data, Kv=650

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%	0.22	3.26	1,072	43.4	1.53	13.33
20%	0.59	8.75	1,810	119.4	4.21	13.65
30%	1.44	21.28	2,644	264.8	9.33	12.44
40%	2.86	42.30	3,432	463.2	16.32	10.95
50%	5.07	75.08	4,193	735.9	25.93	9.80
60%	8.01	118.59	4,891	1031.2	36.34	8.70
70%	11.81	174.77	5,554	1356.8	47.82	7.76
80%	16.53	244.57	6,190	1707.9	60.19	6.98
90%	22.27	329.55	6,762	2100.5	74.03	6.37
100%	25.86	382.70	7,081	2293.9	80.84	5.99

Propeller Efficiency vs Throttle Position

