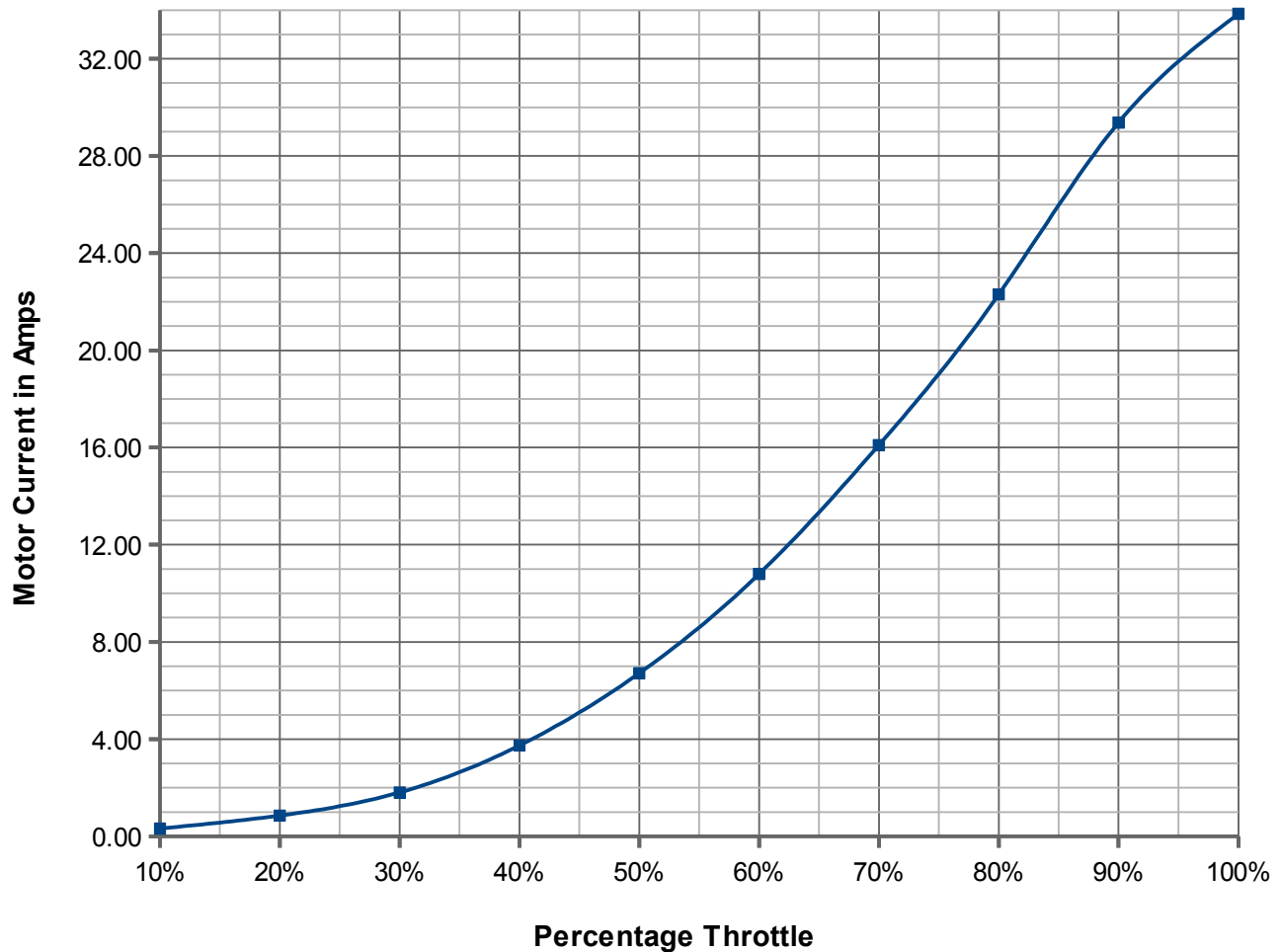


Cobra CM-2820/16 Motor Test Data, Kv=740

Data Collected at 11.1 volts with RC-Timer 15x5.5-CF Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.32	3.57	995	60.3	2.13	16.87
20%	0.86	9.51	1,528	146.3	5.16	15.38
30%	1.81	20.08	2,021	266.4	9.39	13.27
40%	3.74	41.51	2,590	448.5	15.81	10.80
50%	6.72	74.54	3,093	685.9	24.17	9.20
60%	10.80	119.85	3,544	931.8	32.84	7.77
70%	16.10	178.71	3,944	1198.6	42.24	6.71
80%	22.30	247.56	4,295	1432.7	50.49	5.79
90%	29.37	326.05	4,603	1667.3	58.76	5.11
100%	33.84	375.67	4,746	1796.6	63.32	4.78

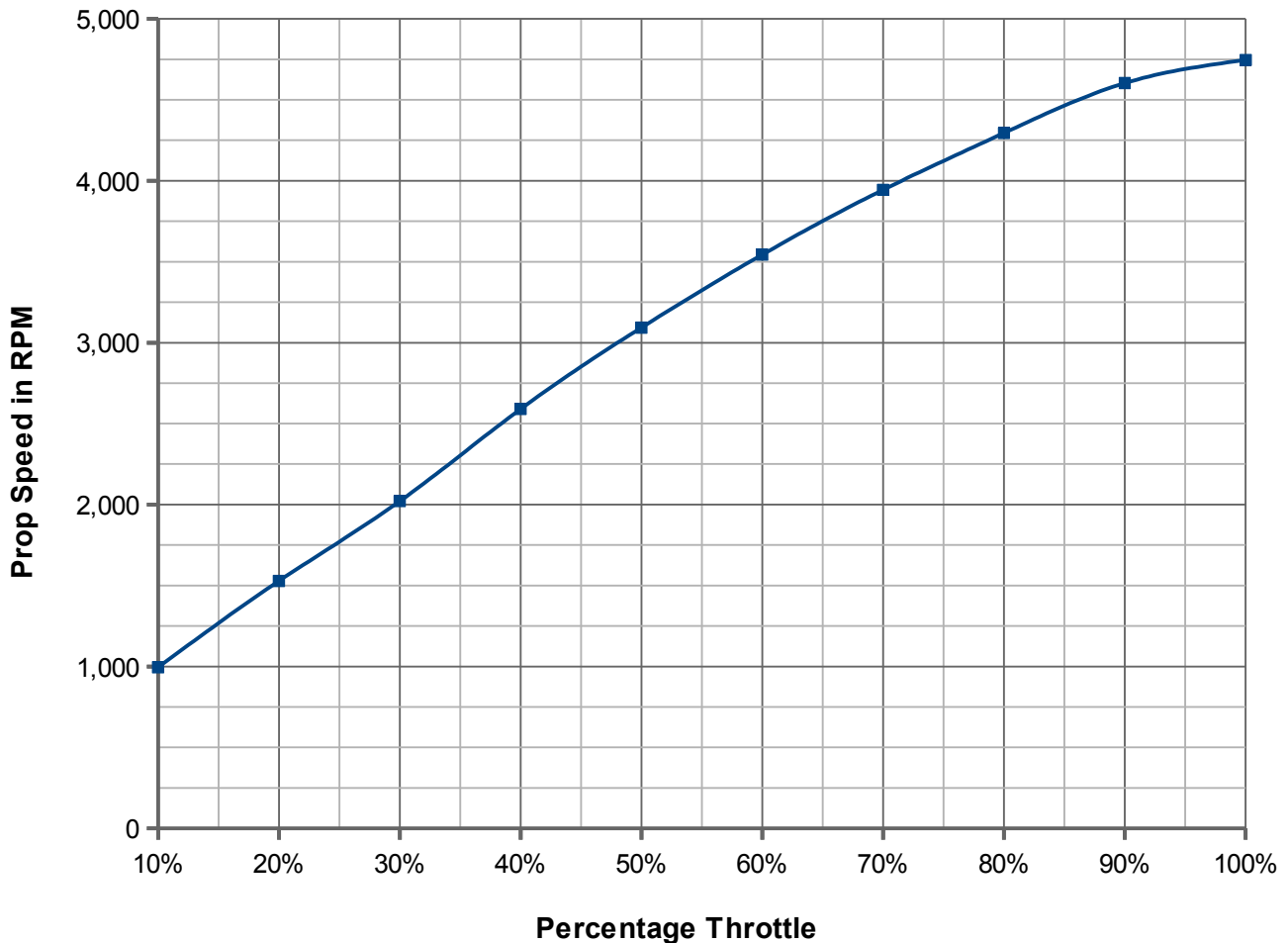
Motor Current vs Throttle Position



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

Data Collected at 11.1 volts with RC-Timer 15x5.5-CF Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.32	3.57	995	60.3	2.13	16.87
20%	0.86	9.51	1,528	146.3	5.16	15.38
30%	1.81	20.08	2,021	266.4	9.39	13.27
40%	3.74	41.51	2,590	448.5	15.81	10.80
50%	6.72	74.54	3,093	685.9	24.17	9.20
60%	10.80	119.85	3,544	931.8	32.84	7.77
70%	16.10	178.71	3,944	1198.6	42.24	6.71
80%	22.30	247.56	4,295	1432.7	50.49	5.79
90%	29.37	326.05	4,603	1667.3	58.76	5.11
100%	33.84	375.67	4,746	1796.6	63.32	4.78

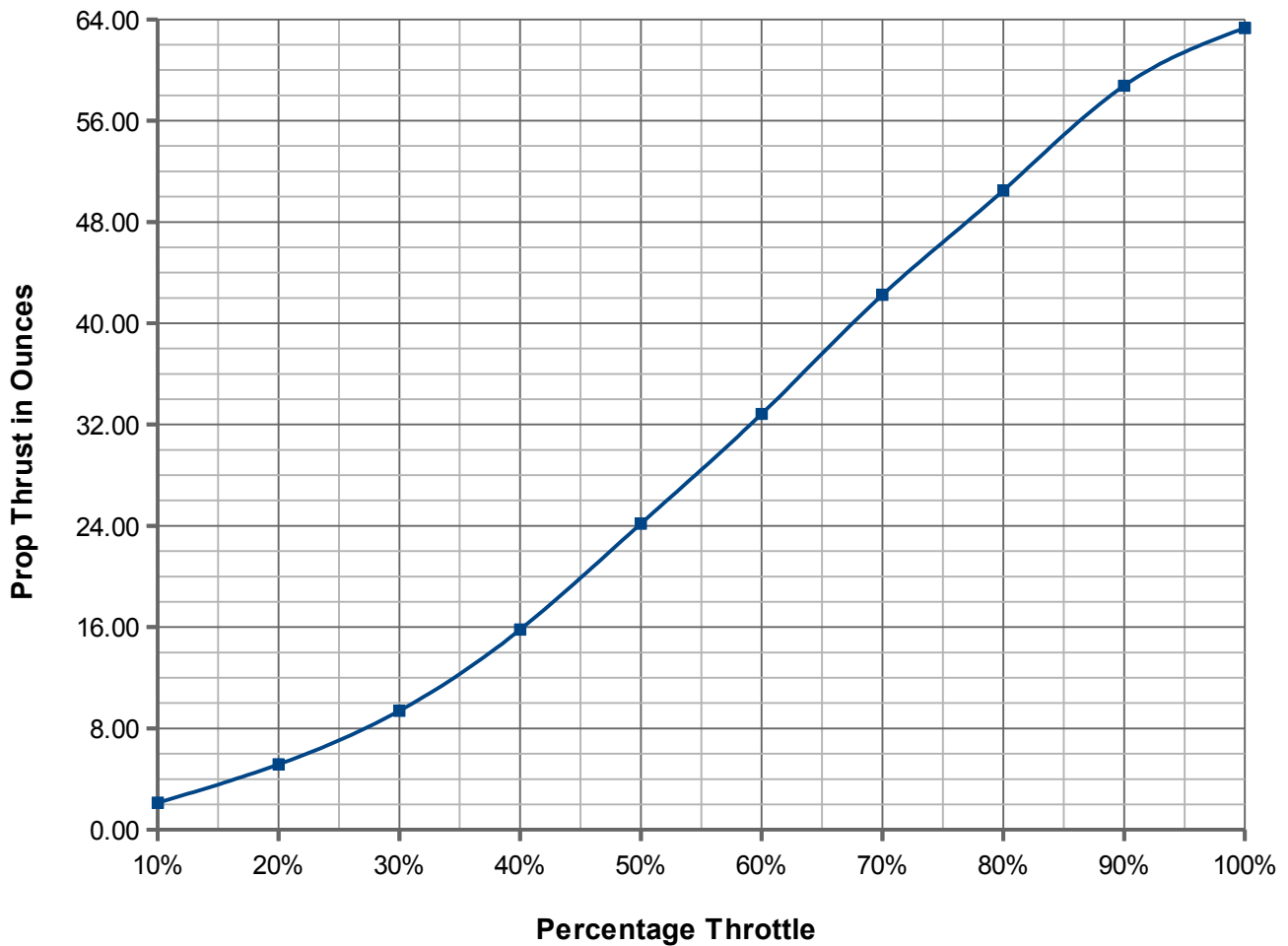
Propeller RPM vs Throttle Position



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

Data Collected at 11.1 volts with RC-Timer 15x5.5-CF Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.32	3.57	995	60.3	2.13	16.87
20%	0.86	9.51	1,528	146.3	5.16	15.38
30%	1.81	20.08	2,021	266.4	9.39	13.27
40%	3.74	41.51	2,590	448.5	15.81	10.80
50%	6.72	74.54	3,093	685.9	24.17	9.20
60%	10.80	119.85	3,544	931.8	32.84	7.77
70%	16.10	178.71	3,944	1198.6	42.24	6.71
80%	22.30	247.56	4,295	1432.7	50.49	5.79
90%	29.37	326.05	4,603	1667.3	58.76	5.11
100%	33.84	375.67	4,746	1796.6	63.32	4.78

Propeller Thrust vs Throttle Position



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

Data Collected at 11.1 volts with RC-Timer 15x5.5-CF Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.32	3.57	995	60.3	2.13	16.87
20%	0.86	9.51	1,528	146.3	5.16	15.38
30%	1.81	20.08	2,021	266.4	9.39	13.27
40%	3.74	41.51	2,590	448.5	15.81	10.80
50%	6.72	74.54	3,093	685.9	24.17	9.20
60%	10.80	119.85	3,544	931.8	32.84	7.77
70%	16.10	178.71	3,944	1198.6	42.24	6.71
80%	22.30	247.56	4,295	1432.7	50.49	5.79
90%	29.37	326.05	4,603	1667.3	58.76	5.11
100%	33.84	375.67	4,746	1796.6	63.32	4.78

Propeller Efficiency vs Throttle Position

