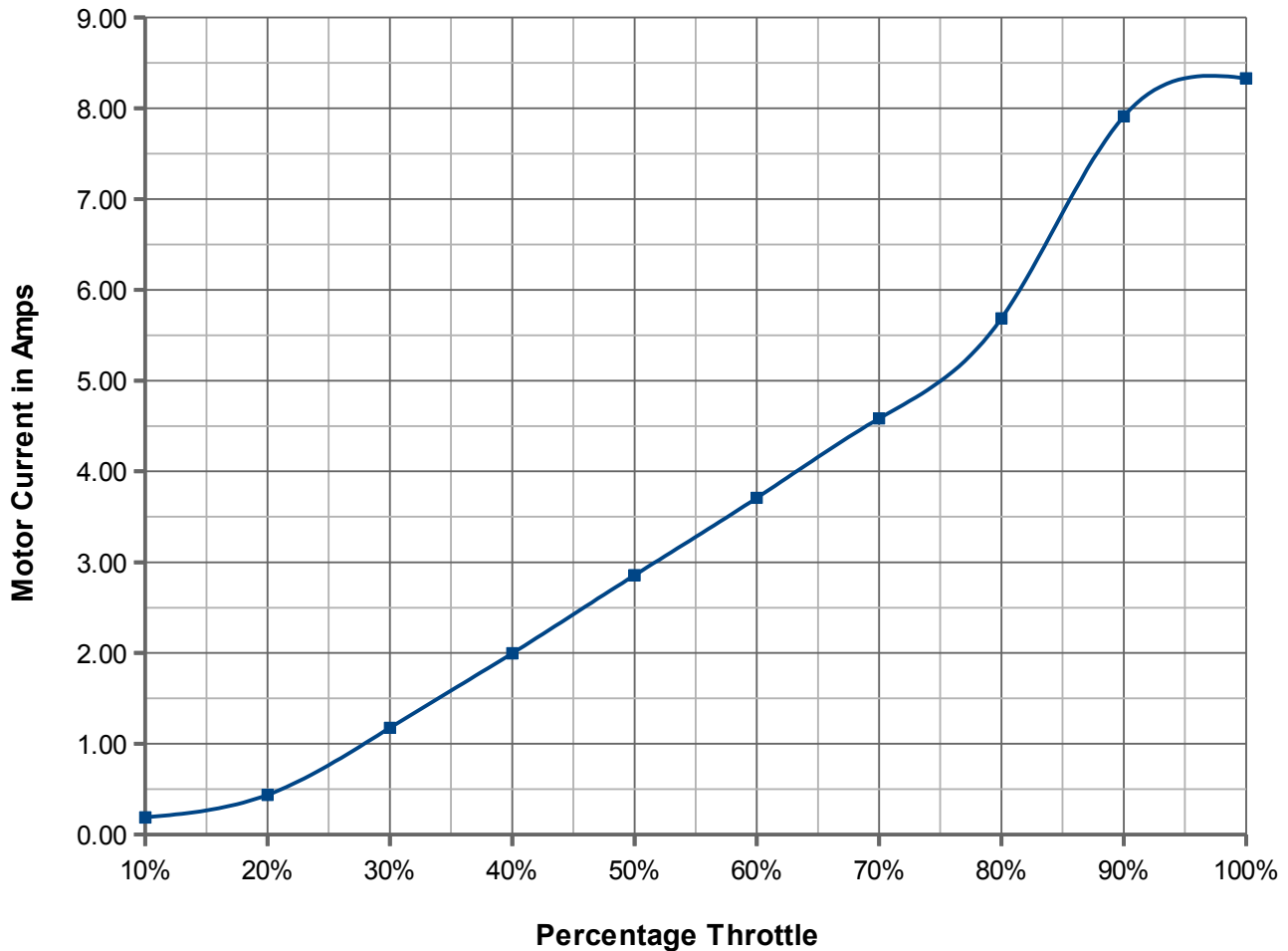


Cobra 2204/32 Motor Test Data, Kv=1960

Data Collected at 11.1 volts with GemFan 6x3 Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.19	2.11	3,728	21.5	0.76	10.19
20%	0.44	4.86	5,738	45.0	1.59	9.26
30%	1.18	13.05	8,605	102.5	3.61	7.85
40%	2.00	22.17	10,527	152.6	5.38	6.88
50%	2.86	31.71	12,115	204.5	7.21	6.45
60%	3.71	41.16	13,354	253.3	8.93	6.15
70%	4.58	50.87	14,308	300.4	10.59	5.91
80%	5.69	63.13	15,521	355.9	12.54	5.64
90%	7.91	87.82	17,410	462.8	16.31	5.27
100%	8.33	92.46	17,693	477.8	16.84	5.17

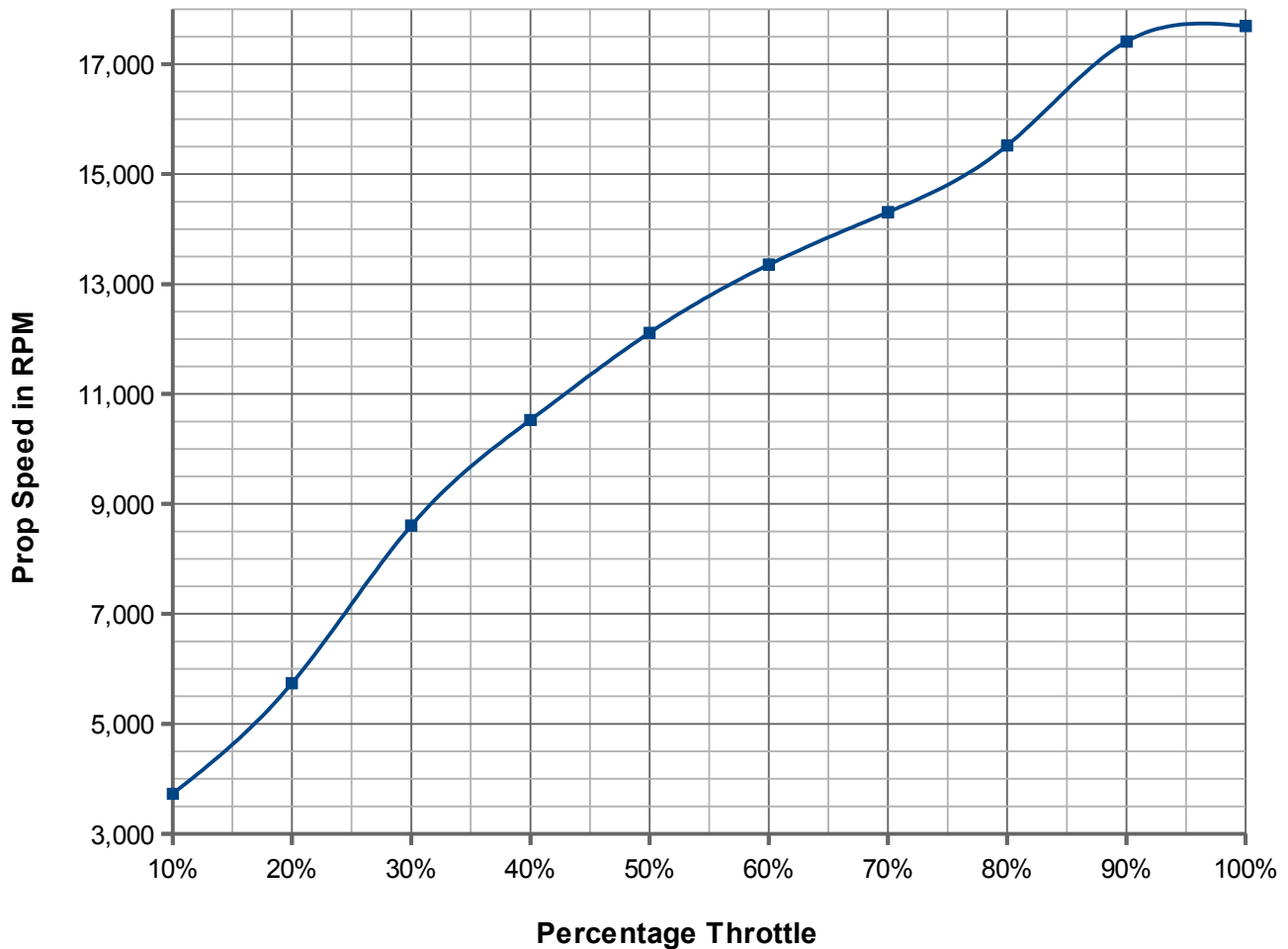
Motor Current vs Throttle Position



Cobra 2204/32 Motor Test Data, Kv=1960

Data Collected at 11.1 volts with GemFan 6x3 Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.19	2.11	3,728	21.5	0.76	10.19
20%	0.44	4.86	5,738	45.0	1.59	9.26
30%	1.18	13.05	8,605	102.5	3.61	7.85
40%	2.00	22.17	10,527	152.6	5.38	6.88
50%	2.86	31.71	12,115	204.5	7.21	6.45
60%	3.71	41.16	13,354	253.3	8.93	6.15
70%	4.58	50.87	14,308	300.4	10.59	5.91
80%	5.69	63.13	15,521	355.9	12.54	5.64
90%	7.91	87.82	17,410	462.8	16.31	5.27
100%	8.33	92.46	17,693	477.8	16.84	5.17

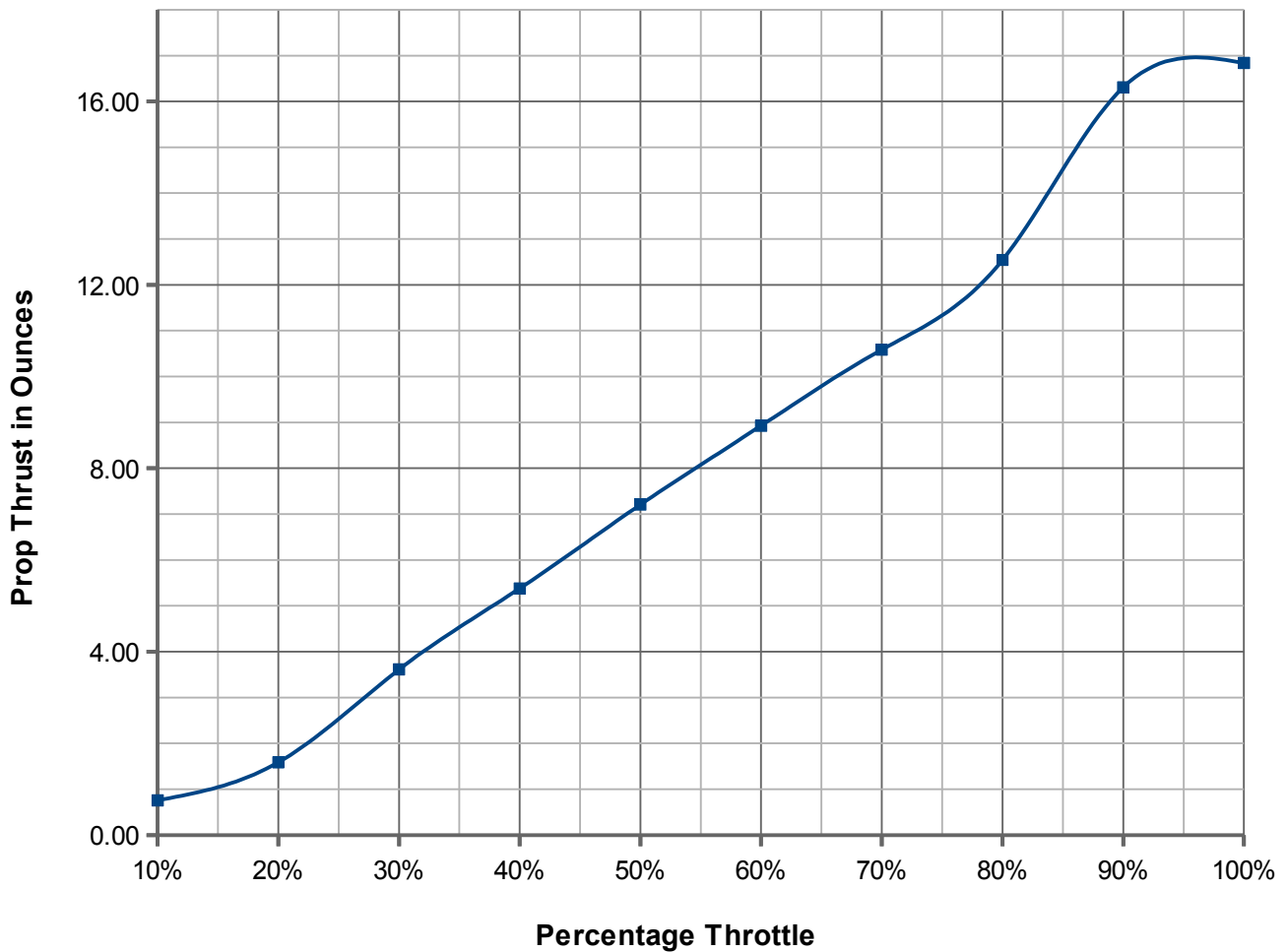
Propeller RPM vs Throttle Position



Cobra 2204/32 Motor Test Data, Kv=1960

Data Collected at 11.1 volts with GemFan 6x3 Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.19	2.11	3,728	21.5	0.76	10.19
20%	0.44	4.86	5,738	45.0	1.59	9.26
30%	1.18	13.05	8,605	102.5	3.61	7.85
40%	2.00	22.17	10,527	152.6	5.38	6.88
50%	2.86	31.71	12,115	204.5	7.21	6.45
60%	3.71	41.16	13,354	253.3	8.93	6.15
70%	4.58	50.87	14,308	300.4	10.59	5.91
80%	5.69	63.13	15,521	355.9	12.54	5.64
90%	7.91	87.82	17,410	462.8	16.31	5.27
100%	8.33	92.46	17,693	477.8	16.84	5.17

Propeller Thrust vs Throttle Position



Cobra 2204/32 Motor Test Data, Kv=1960

Data Collected at 11.1 volts with GemFan 6x3 Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.19	2.11	3,728	21.5	0.76	10.19
20%	0.44	4.86	5,738	45.0	1.59	9.26
30%	1.18	13.05	8,605	102.5	3.61	7.85
40%	2.00	22.17	10,527	152.6	5.38	6.88
50%	2.86	31.71	12,115	204.5	7.21	6.45
60%	3.71	41.16	13,354	253.3	8.93	6.15
70%	4.58	50.87	14,308	300.4	10.59	5.91
80%	5.69	63.13	15,521	355.9	12.54	5.64
90%	7.91	87.82	17,410	462.8	16.31	5.27
100%	8.33	92.46	17,693	477.8	16.84	5.17

Propeller Efficiency vs Throttle Position

