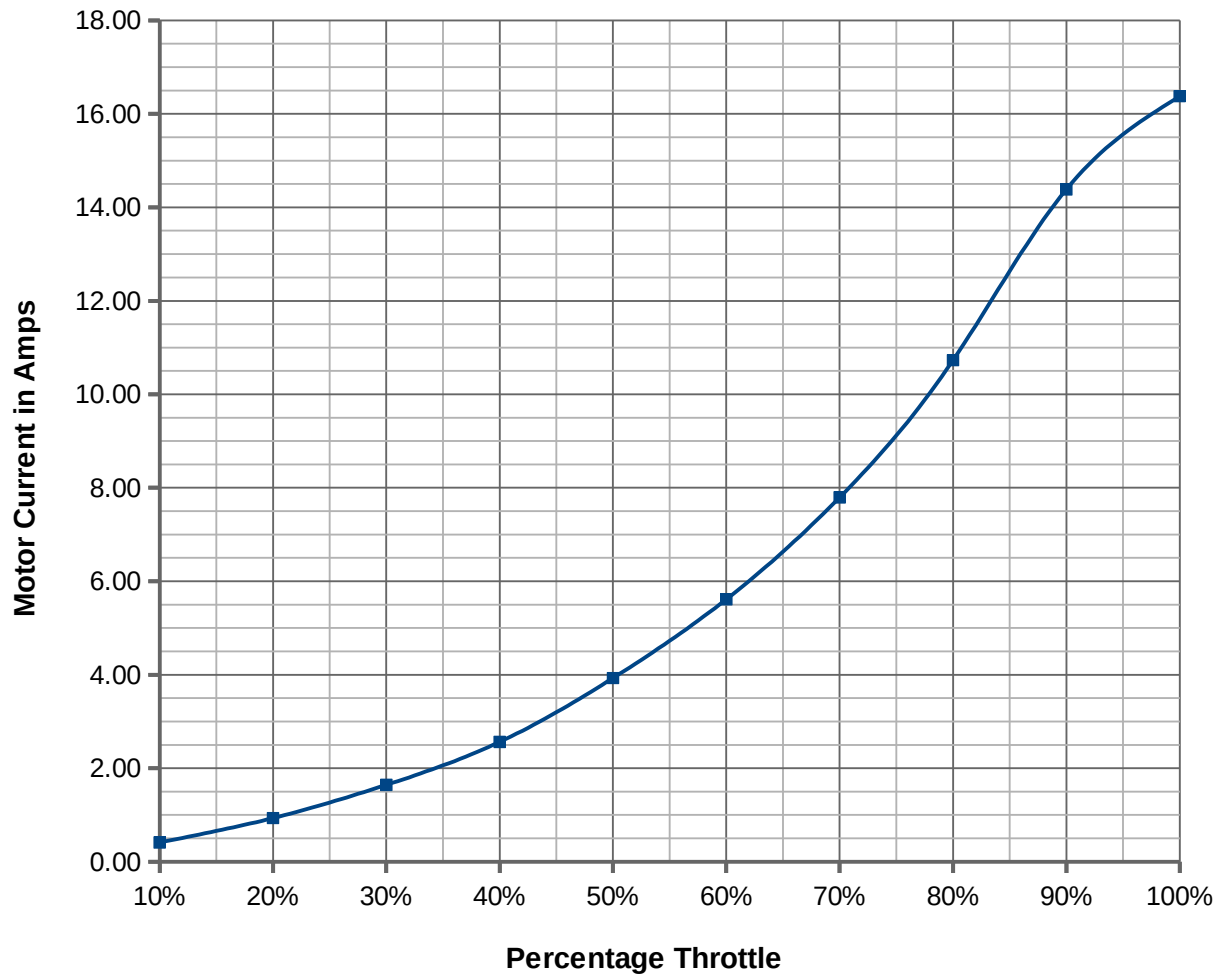


Cobra CM-2206/20 Motor Test Data, Kv=2100

Data Collected at 11.1 volts with APC 6x4 Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.41	4.57	4,099	31.9	1.12	6.98
20%	0.93	10.37	6,074	69.3	2.44	6.68
30%	1.64	18.25	7,622	114.3	4.03	6.26
40%	2.56	28.46	9,075	159.6	5.62	5.61
50%	3.93	43.61	10,676	223.8	7.89	5.13
60%	5.61	62.32	12,183	304.5	10.73	4.89
70%	7.79	86.50	13,543	377.1	13.29	4.36
80%	10.73	119.10	15,138	477.2	16.82	4.01
90%	14.39	159.67	16,597	574.6	20.25	3.60
100%	16.38	181.78	17,285	619.8	21.84	3.41

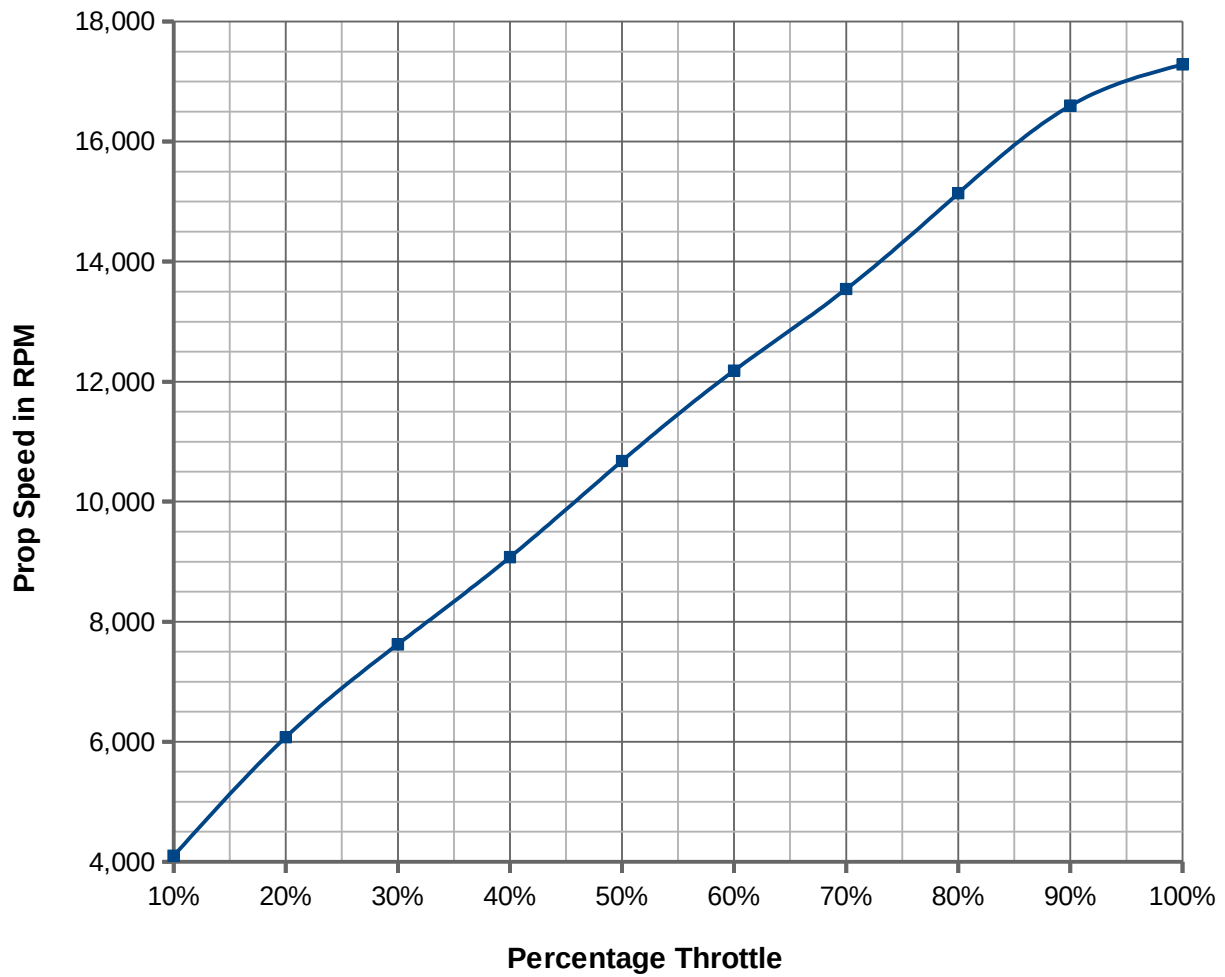
Motor Current vs Throttle Position



Cobra CM-2206/20 Motor Test Data, Kv=2100

Data Collected at 11.1 volts with APC 6x4 Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.41	4.57	4,099	31.9	1.12	6.98
20%	0.93	10.37	6,074	69.3	2.44	6.68
30%	1.64	18.25	7,622	114.3	4.03	6.26
40%	2.56	28.46	9,075	159.6	5.62	5.61
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60%	5.61	62.32	12,183	304.5	10.73	4.89
70%	7.79	86.50	13,543	377.1	13.29	4.36
80%	10.73	119.10	15,138	477.2	16.82	4.01
90%	14.39	159.67	16,597	574.6	20.25	3.60
100%	16.38	181.78	17,285	619.8	21.84	3.41

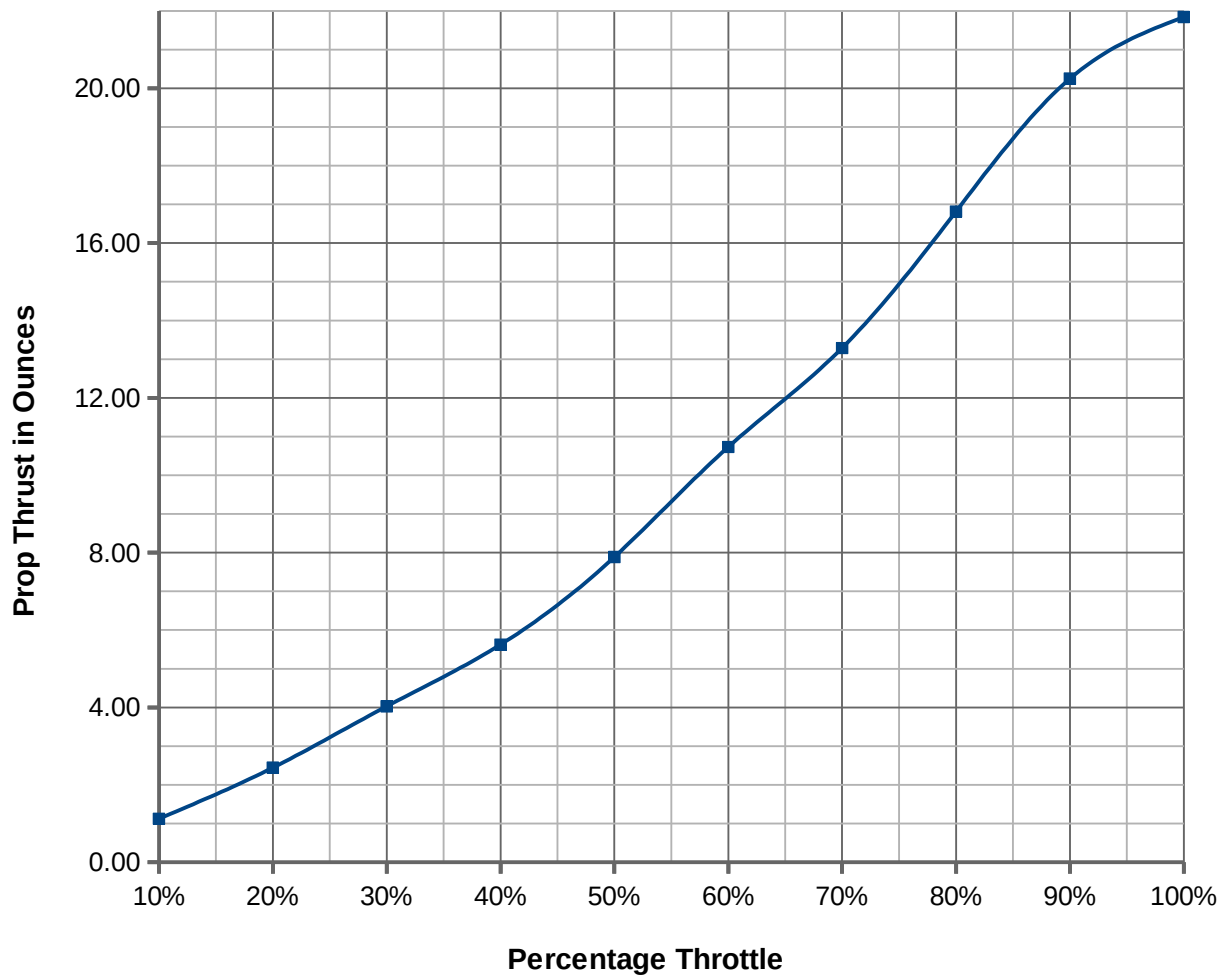
Propeller RPM vs Throttle Position



Cobra CM-2206/20 Motor Test Data, Kv=2100

Data Collected at 11.1 volts with APC 6x4 Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.41	4.57	4,099	31.9	1.12	6.98
20%	0.93	10.37	6,074	69.3	2.44	6.68
30%	1.64	18.25	7,622	114.3	4.03	6.26
40%	2.56	28.46	9,075	159.6	5.62	5.61
50%	3.93	43.61	10,676	223.8	7.89	5.13
60%	5.61	62.32	12,183	304.5	10.73	4.89
70%	7.79	86.50	13,543	377.1	13.29	4.36
80%	10.73	119.10	15,138	477.2	16.82	4.01
90%	14.39	159.67	16,597	574.6	20.25	3.60
100%	16.38	181.78	17,285	619.8	21.84	3.41

Propeller Thrust vs Throttle Position



Cobra CM-2206/20 Motor Test Data, Kv=2100

Data Collected at 11.1 volts with APC 6x4 Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.41	4.57	4,099	31.9	1.12	6.98
20%	0.93	10.37	6,074	69.3	2.44	6.68
30%	1.64	18.25	7,622	114.3	4.03	6.26
40%	2.56	28.46	9,075	159.6	5.62	5.61
50%	3.93	43.61	10,676	223.8	7.89	5.13
60%	5.61	62.32	12,183	304.5	10.73	4.89
70%	7.79	86.50	13,543	377.1	13.29	4.36
80%	10.73	119.10	15,138	477.2	16.82	4.01
90%	14.39	159.67	16,597	574.6	20.25	3.60
100%	16.38	181.78	17,285	619.8	21.84	3.41

Propeller Efficiency vs Throttle Position

