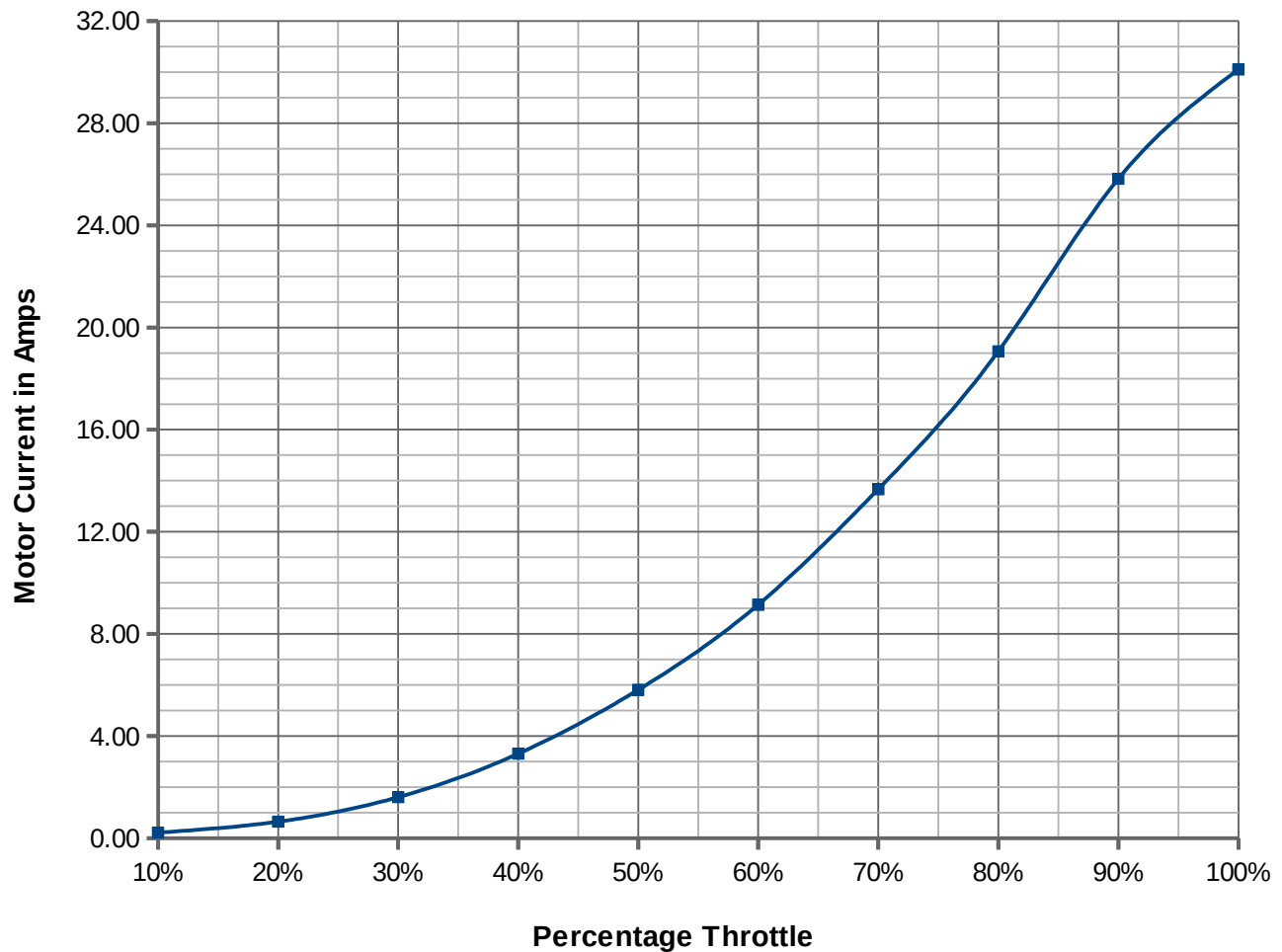


Cobra CM-3520/20 Motor Test Data, Kv=480

Data Collected at 18.5 volts with APC 16x5.5-MR Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.22	4.09	991	60.3	2.13	14.75
20%	0.65	12.01	1,692	187.5	6.61	15.62
30%	1.61	29.77	2,448	406.1	14.31	13.64
40%	3.31	61.25	3,154	718.8	25.33	11.73
50%	5.81	107.50	3,832	1084.7	38.23	10.09
60%	9.14	169.15	4,454	1463.8	51.59	8.65
70%	13.67	252.91	5,030	1948.7	68.68	7.71
80%	19.07	352.76	5,579	2405.8	84.79	6.82
90%	25.82	477.74	6,102	2917.3	102.81	6.11
100%	30.10	556.91	6,361	3233.4	113.95	5.81

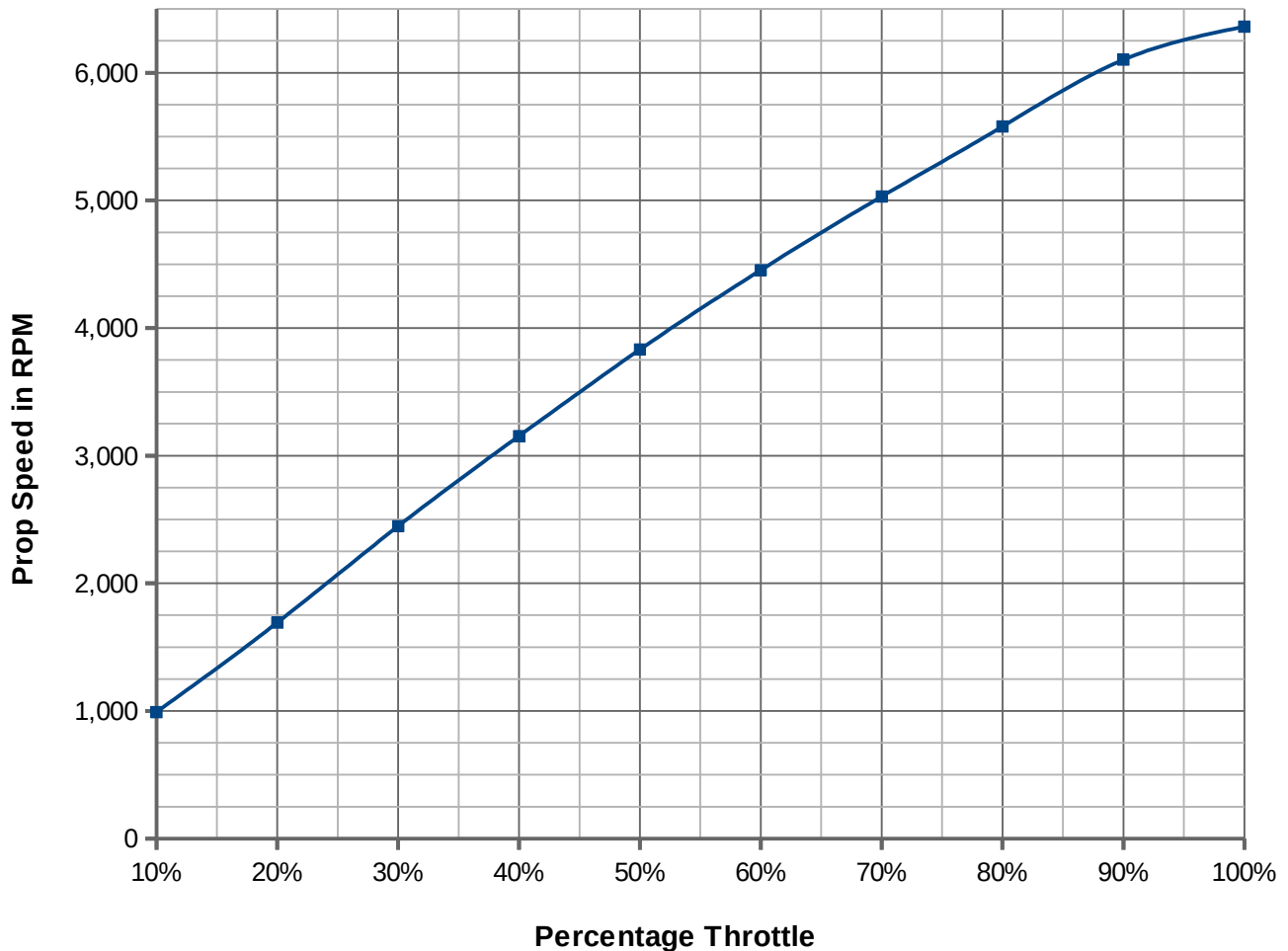
Motor Current vs Throttle Position



Cobra CM-3520/20 Motor Test Data, Kv=480

Data Collected at 18.5 volts with APC 16x5.5-MR Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.22	4.09	991	60.3	2.13	14.75
20%	0.65	12.01	1,692	187.5	6.61	15.62
30%	1.61	29.77	2,448	406.1	14.31	13.64
40%	3.31	61.25	3,154	718.8	25.33	11.73
50%	5.81	107.50	3,832	1084.7	38.23	10.09
60%	9.14	169.15	4,454	1463.8	51.59	8.65
70%	13.67	252.91	5,030	1948.7	68.68	7.71
80%	19.07	352.76	5,579	2405.8	84.79	6.82
90%	25.82	477.74	6,102	2917.3	102.81	6.11
100%	30.10	556.91	6,361	3233.4	113.95	5.81

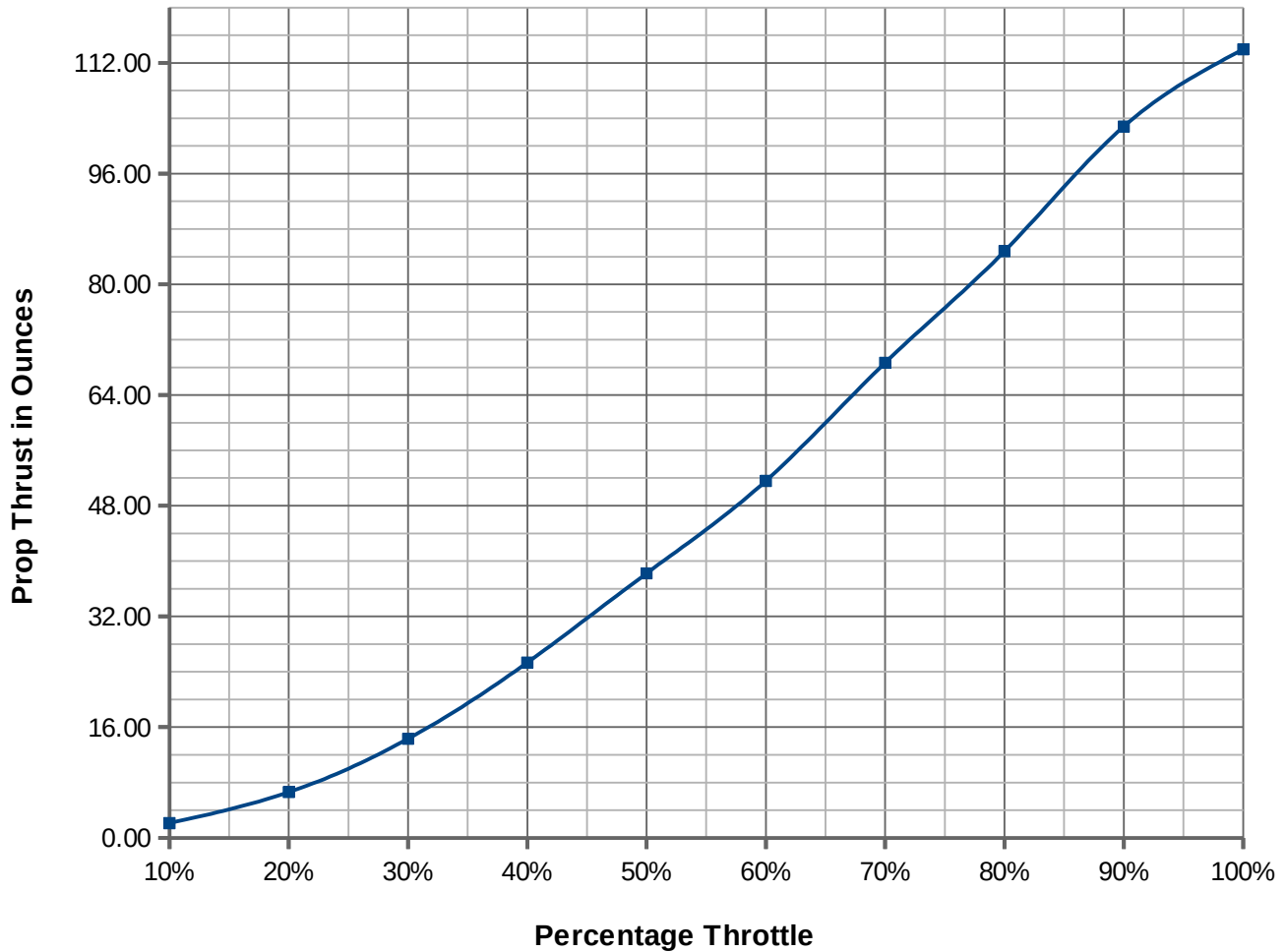
Propeller RPM vs Throttle Position



Cobra CM-3520/20 Motor Test Data, Kv=480

Data Collected at 18.5 volts with APC 16x5.5-MR Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.22	4.09	991	60.3	2.13	14.75
20%	0.65	12.01	1,692	187.5	6.61	15.62
30%	1.61	29.77	2,448	406.1	14.31	13.64
40%	3.31	61.25	3,154	718.8	25.33	11.73
50%	5.81	107.50	3,832	1084.7	38.23	10.09
60%	9.14	169.15	4,454	1463.8	51.59	8.65
70%	13.67	252.91	5,030	1948.7	68.68	7.71
80%	19.07	352.76	5,579	2405.8	84.79	6.82
90%	25.82	477.74	6,102	2917.3	102.81	6.11
100%	30.10	556.91	6,361	3233.4	113.95	5.81

Propeller Thrust vs Throttle Position



Cobra CM-3520/20 Motor Test Data, Kv=480

Data Collected at 18.5 volts with APC 16x5.5-MR Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.22	4.09	991	60.3	2.13	14.75
20%	0.65	12.01	1,692	187.5	6.61	15.62
30%	1.61	29.77	2,448	406.1	14.31	13.64
40%	3.31	61.25	3,154	718.8	25.33	11.73
50%	5.81	107.50	3,832	1084.7	38.23	10.09
60%	9.14	169.15	4,454	1463.8	51.59	8.65
70%	13.67	252.91	5,030	1948.7	68.68	7.71
80%	19.07	352.76	5,579	2405.8	84.79	6.82
90%	25.82	477.74	6,102	2917.3	102.81	6.11
100%	30.10	556.91	6,361	3233.4	113.95	5.81

Propeller Efficiency vs Throttle Position

