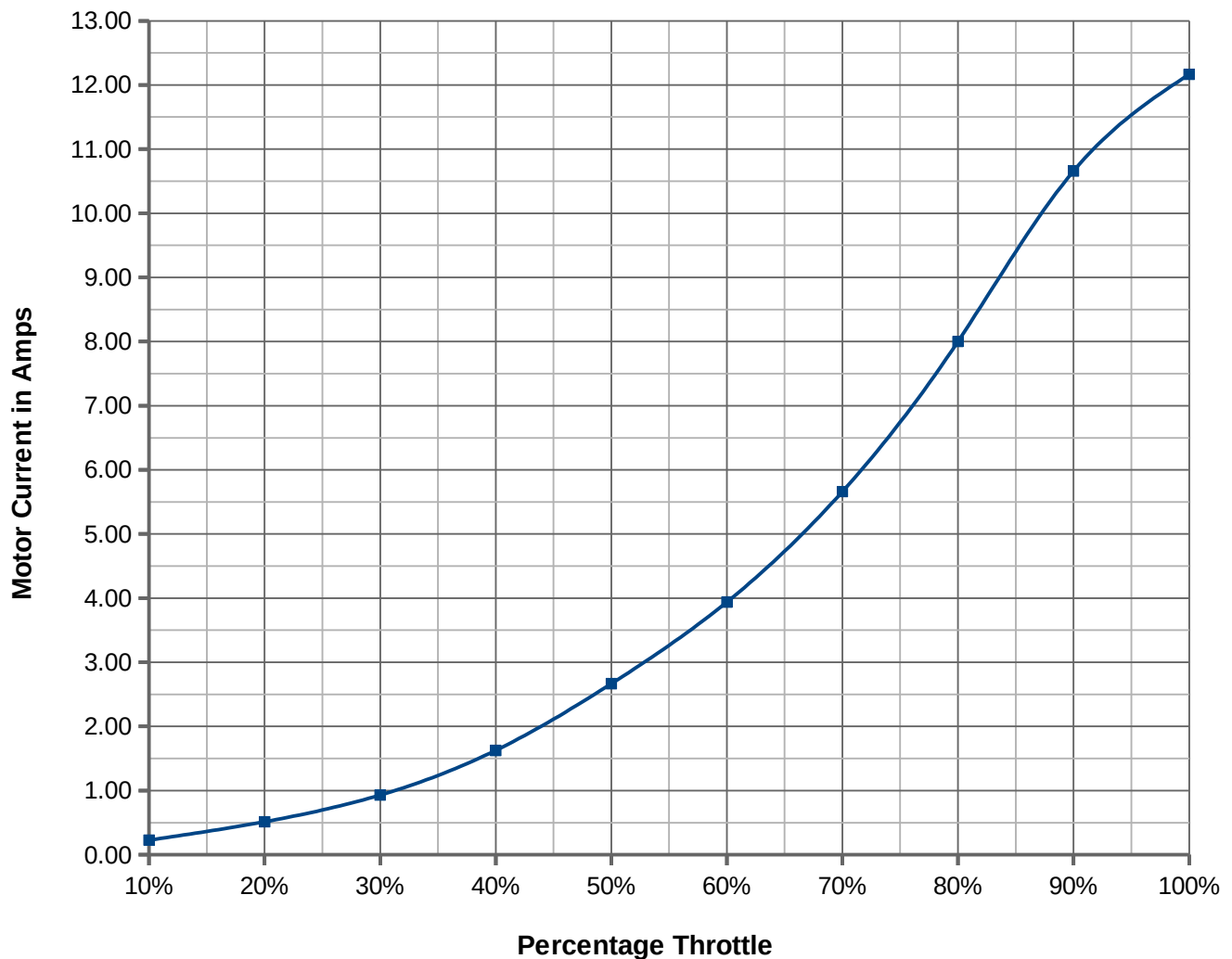


Cobra CM-2206/30 Motor Test Data, Kv=1400

| Data Collected at 11.1 volts with APC 7x5-E Prop | | | | | | |
|--|------------|-------------|----------|----------------|-----------------|--------------------|
| Throttle Setting | Motor Amps | Input Watts | Prop RPM | Thrust (Grams) | Thrust (Ounces) | Efficiency Grams/W |
| 10% | 0.23 | 2.53 | 2,235 | 19.5 | 0.69 | 7.71 |
| 20% | 0.51 | 5.71 | 3,447 | 48.9 | 1.72 | 8.57 |
| 30% | 0.93 | 10.33 | 4,496 | 83.2 | 2.93 | 8.05 |
| 40% | 1.63 | 18.06 | 5,625 | 131.7 | 4.64 | 7.29 |
| 50% | 2.67 | 29.59 | 6,763 | 195.3 | 6.88 | 6.60 |
| 60% | 3.94 | 43.71 | 7,856 | 265.2 | 9.35 | 6.07 |
| 70% | 5.66 | 62.83 | 8,868 | 343.1 | 12.09 | 5.46 |
| 80% | 8.00 | 88.82 | 9,893 | 435.8 | 15.36 | 4.91 |
| 90% | 10.66 | 118.31 | 10,809 | 525.0 | 18.50 | 4.44 |
| 100% | 12.17 | 135.03 | 11,222 | 572.2 | 20.17 | 4.24 |

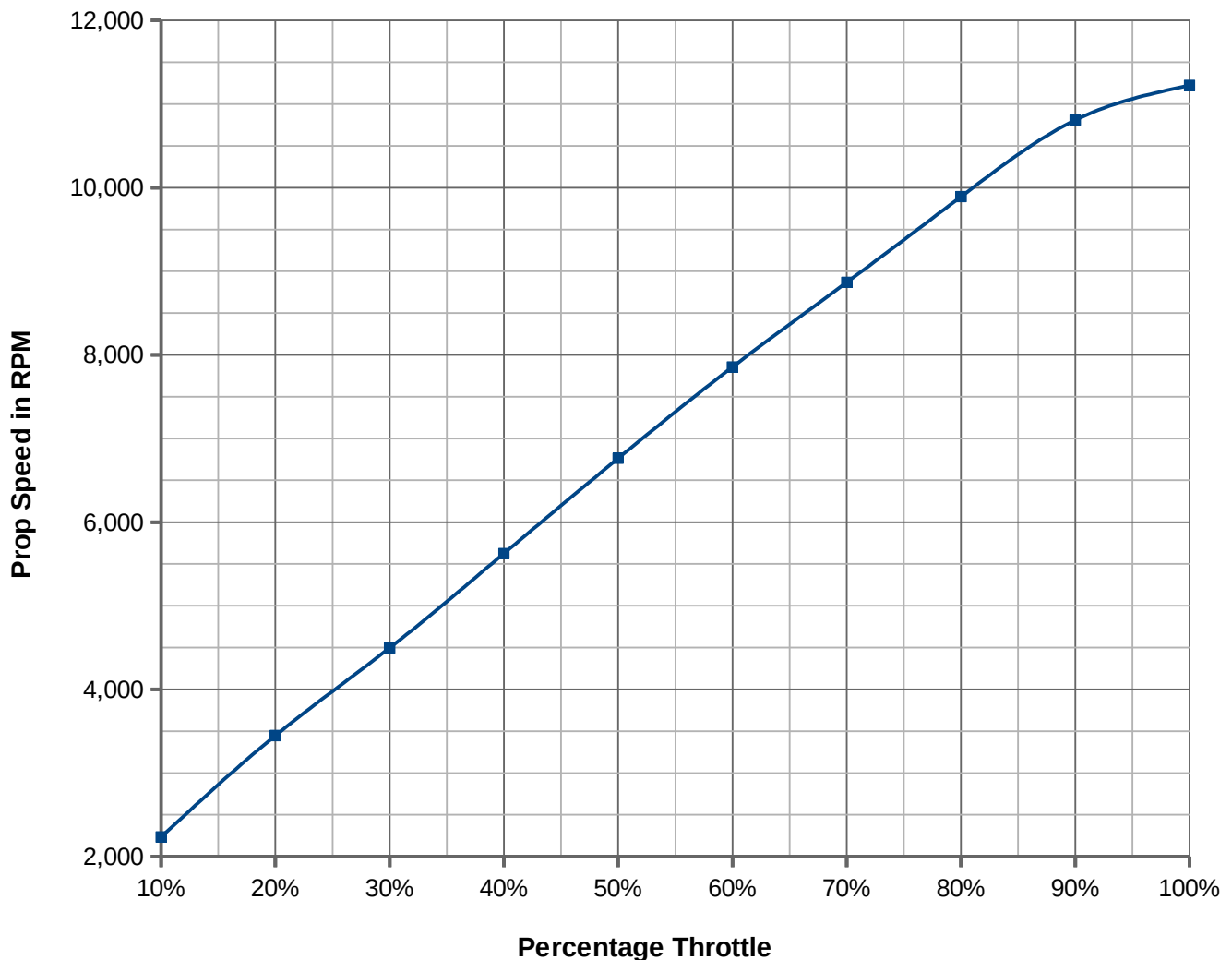
Motor Current vs Throttle Position



Cobra CM-2206/30 Motor Test Data, Kv=1400

| Data Collected at 11.1 volts with APC 7x5-E Prop | | | | | | |
|--|------------|-------------|----------|----------------|-----------------|--------------------|
| Throttle Setting | Motor Amps | Input Watts | Prop RPM | Thrust (Grams) | Thrust (Ounces) | Efficiency Grams/W |
| 10% | 0.23 | 2.53 | 2,235 | 19.5 | 0.69 | 7.71 |
| 20% | 0.51 | 5.71 | 3,447 | 48.9 | 1.72 | 8.57 |
| 30% | 0.93 | 10.33 | 4,496 | 83.2 | 2.93 | 8.05 |
| 40% | 1.63 | 18.06 | 5,625 | 131.7 | 4.64 | 7.29 |
| 50% | 2.67 | 29.59 | 6,763 | 195.3 | 6.88 | 6.60 |
| 60% | 3.94 | 43.71 | 7,856 | 265.2 | 9.35 | 6.07 |
| 70% | 5.66 | 62.83 | 8,868 | 343.1 | 12.09 | 5.46 |
| 80% | 8.00 | 88.82 | 9,893 | 435.8 | 15.36 | 4.91 |
| 90% | 10.66 | 118.31 | 10,809 | 525.0 | 18.50 | 4.44 |
| 100% | 12.17 | 135.03 | 11,222 | 572.2 | 20.17 | 4.24 |

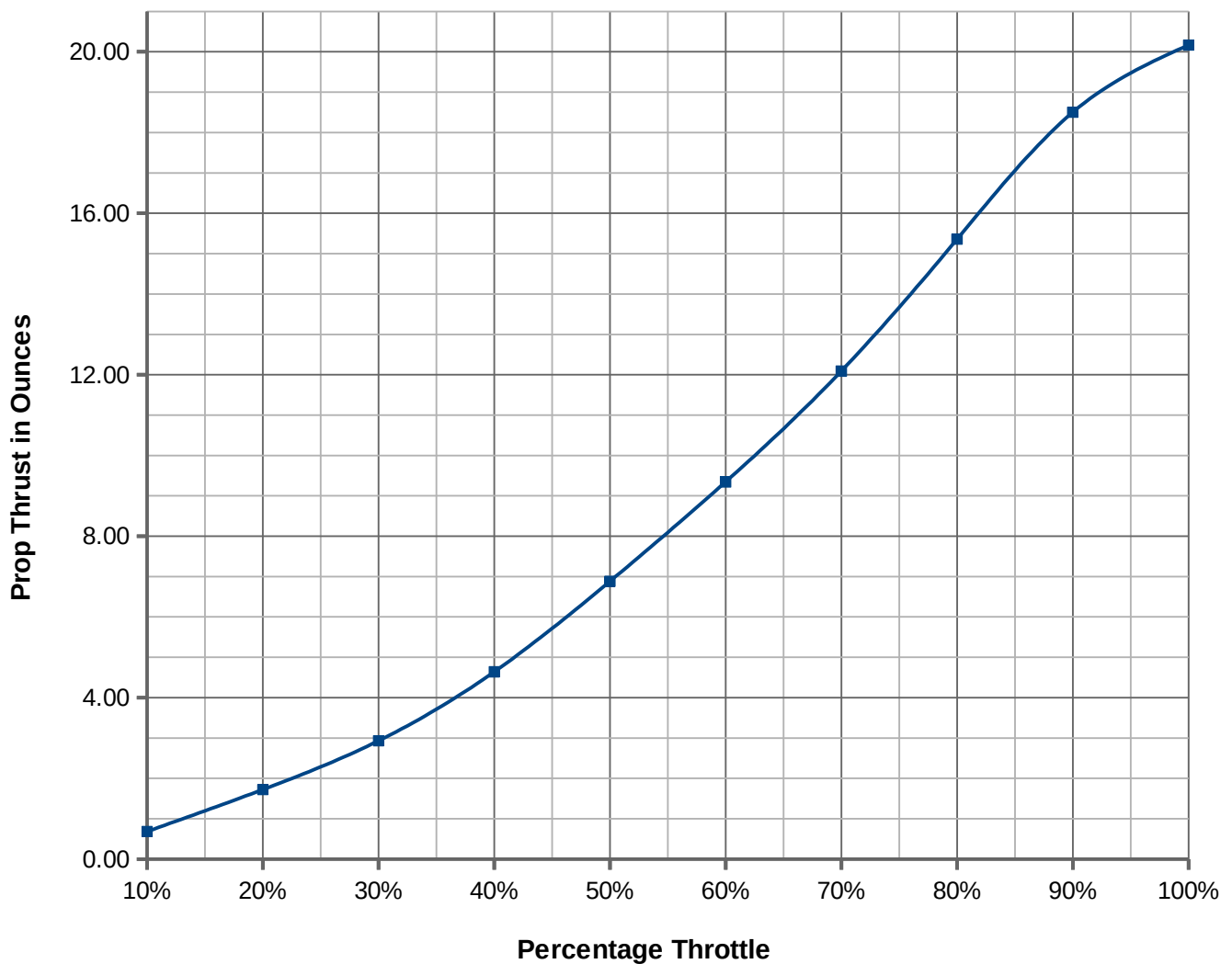
Propeller RPM vs Throttle Position



Cobra CM-2206/30 Motor Test Data, Kv=1400

| Data Collected at 11.1 volts with APC 7x5-E Prop | | | | | | |
|--|------------|-------------|----------|----------------|-----------------|--------------------|
| Throttle Setting | Motor Amps | Input Watts | Prop RPM | Thrust (Grams) | Thrust (Ounces) | Efficiency Grams/W |
| 10% | 0.23 | 2.53 | 2,235 | 19.5 | 0.69 | 7.71 |
| 20% | 0.51 | 5.71 | 3,447 | 48.9 | 1.72 | 8.57 |
| 30% | 0.93 | 10.33 | 4,496 | 83.2 | 2.93 | 8.05 |
| 40% | 1.63 | 18.06 | 5,625 | 131.7 | 4.64 | 7.29 |
| 50% | 2.67 | 29.59 | 6,763 | 195.3 | 6.88 | 6.60 |
| 60% | 3.94 | 43.71 | 7,856 | 265.2 | 9.35 | 6.07 |
| 70% | 5.66 | 62.83 | 8,868 | 343.1 | 12.09 | 5.46 |
| 80% | 8.00 | 88.82 | 9,893 | 435.8 | 15.36 | 4.91 |
| 90% | 10.66 | 118.31 | 10,809 | 525.0 | 18.50 | 4.44 |
| 100% | 12.17 | 135.03 | 11,222 | 572.2 | 20.17 | 4.24 |

Propeller Thrust vs Throttle Position



Cobra CM-2206/30 Motor Test Data, Kv=1400

| Data Collected at 11.1 volts with APC 7x5-E Prop | | | | | | |
|--|------------|-------------|----------|----------------|-----------------|--------------------|
| Throttle Setting | Motor Amps | Input Watts | Prop RPM | Thrust (Grams) | Thrust (Ounces) | Efficiency Grams/W |
| 10% | 0.23 | 2.53 | 2,235 | 19.5 | 0.69 | 7.71 |
| 20% | 0.51 | 5.71 | 3,447 | 48.9 | 1.72 | 8.57 |
| 30% | 0.93 | 10.33 | 4,496 | 83.2 | 2.93 | 8.05 |
| 40% | 1.63 | 18.06 | 5,625 | 131.7 | 4.64 | 7.29 |
| 50% | 2.67 | 29.59 | 6,763 | 195.3 | 6.88 | 6.60 |
| 60% | 3.94 | 43.71 | 7,856 | 265.2 | 9.35 | 6.07 |
| 70% | 5.66 | 62.83 | 8,868 | 343.1 | 12.09 | 5.46 |
| 80% | 8.00 | 88.82 | 9,893 | 435.8 | 15.36 | 4.91 |
| 90% | 10.66 | 118.31 | 10,809 | 525.0 | 18.50 | 4.44 |
| 100% | 12.17 | 135.03 | 11,222 | 572.2 | 20.17 | 4.24 |

Propeller Efficiency vs Throttle Position

