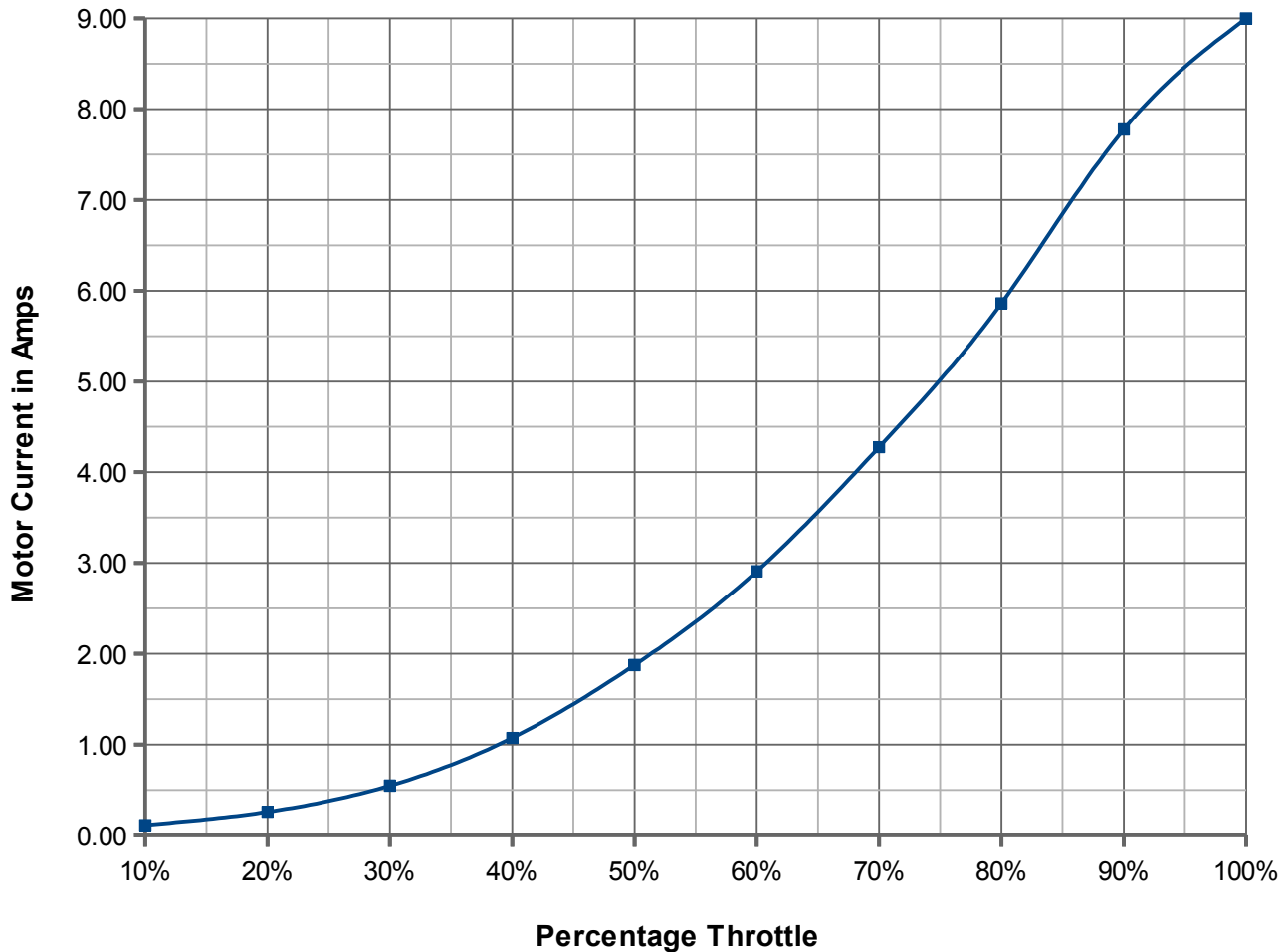


Cobra CM-2213-36 Motor Test Data, Kv=740

| Data Collected at 11.1 volts with RC-Timer 12x5.5-CF Prop | | | | | | |
|---|------------|-------------|----------|----------------|-----------------|--------------------|
| Throttle Setting | Motor Amps | Input Watts | Prop RPM | Thrust (Grams) | Thrust (Ounces) | Efficiency Grams/W |
| 10% | 0.12 | 1.28 | 864 | 23.4 | 0.82 | 18.33 |
| 20% | 0.26 | 2.89 | 1,391 | 49.8 | 1.76 | 17.26 |
| 30% | 0.55 | 6.08 | 1,929 | 96.5 | 3.40 | 15.86 |
| 40% | 1.07 | 11.92 | 2,491 | 168.1 | 5.92 | 14.10 |
| 50% | 1.88 | 20.82 | 3,030 | 251.9 | 8.88 | 12.10 |
| 60% | 2.91 | 32.28 | 3,511 | 339.4 | 11.96 | 10.51 |
| 70% | 4.28 | 47.46 | 3,947 | 442.7 | 15.60 | 9.33 |
| 80% | 5.86 | 65.07 | 4,359 | 537.4 | 18.94 | 8.26 |
| 90% | 7.78 | 86.31 | 4,705 | 645.1 | 22.73 | 7.47 |
| 100% | 9.00 | 99.88 | 4,884 | 705.3 | 24.86 | 7.06 |

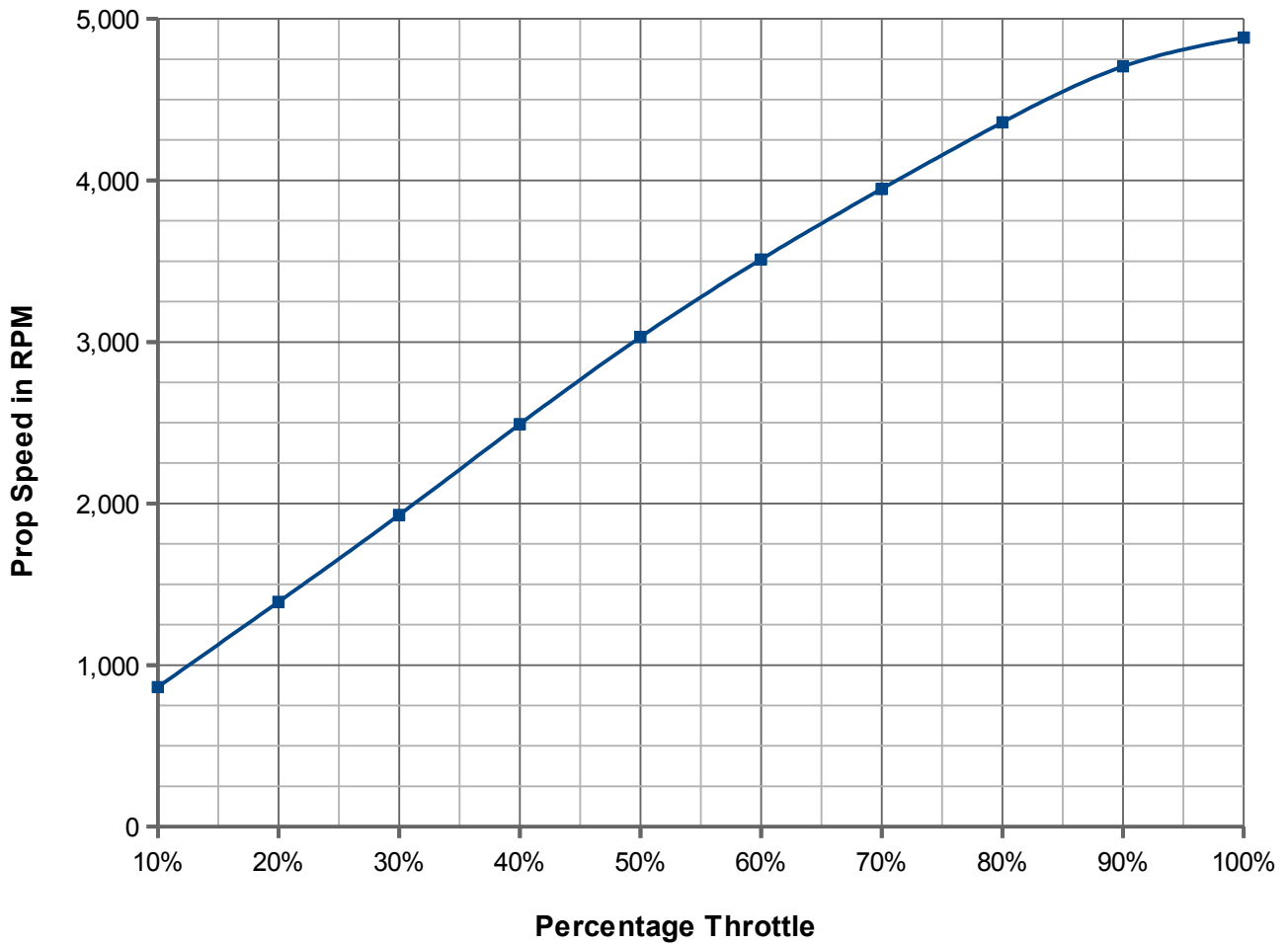
Motor Current vs Throttle Position



Cobra CM-2213-36 Motor Test Data, Kv=740

| Data Collected at 11.1 volts with RC-Timer 12x5.5-CF Prop | | | | | | |
|---|------------|-------------|----------|----------------|-----------------|--------------------|
| Throttle Setting | Motor Amps | Input Watts | Prop RPM | Thrust (Grams) | Thrust (Ounces) | Efficiency Grams/W |
| 10% | 0.12 | 1.28 | 864 | 23.4 | 0.82 | 18.33 |
| 20% | 0.26 | 2.89 | 1,391 | 49.8 | 1.76 | 17.26 |
| 30% | 0.55 | 6.08 | 1,929 | 96.5 | 3.40 | 15.86 |
| 40% | 1.07 | 11.92 | 2,491 | 168.1 | 5.92 | 14.10 |
| 50% | 1.88 | 20.82 | 3,030 | 251.9 | 8.88 | 12.10 |
| 60% | 2.91 | 32.28 | 3,511 | 339.4 | 11.96 | 10.51 |
| 70% | 4.28 | 47.46 | 3,947 | 442.7 | 15.60 | 9.33 |
| 80% | 5.86 | 65.07 | 4,359 | 537.4 | 18.94 | 8.26 |
| 90% | 7.78 | 86.31 | 4,705 | 645.1 | 22.73 | 7.47 |
| 100% | 9.00 | 99.88 | 4,884 | 705.3 | 24.86 | 7.06 |

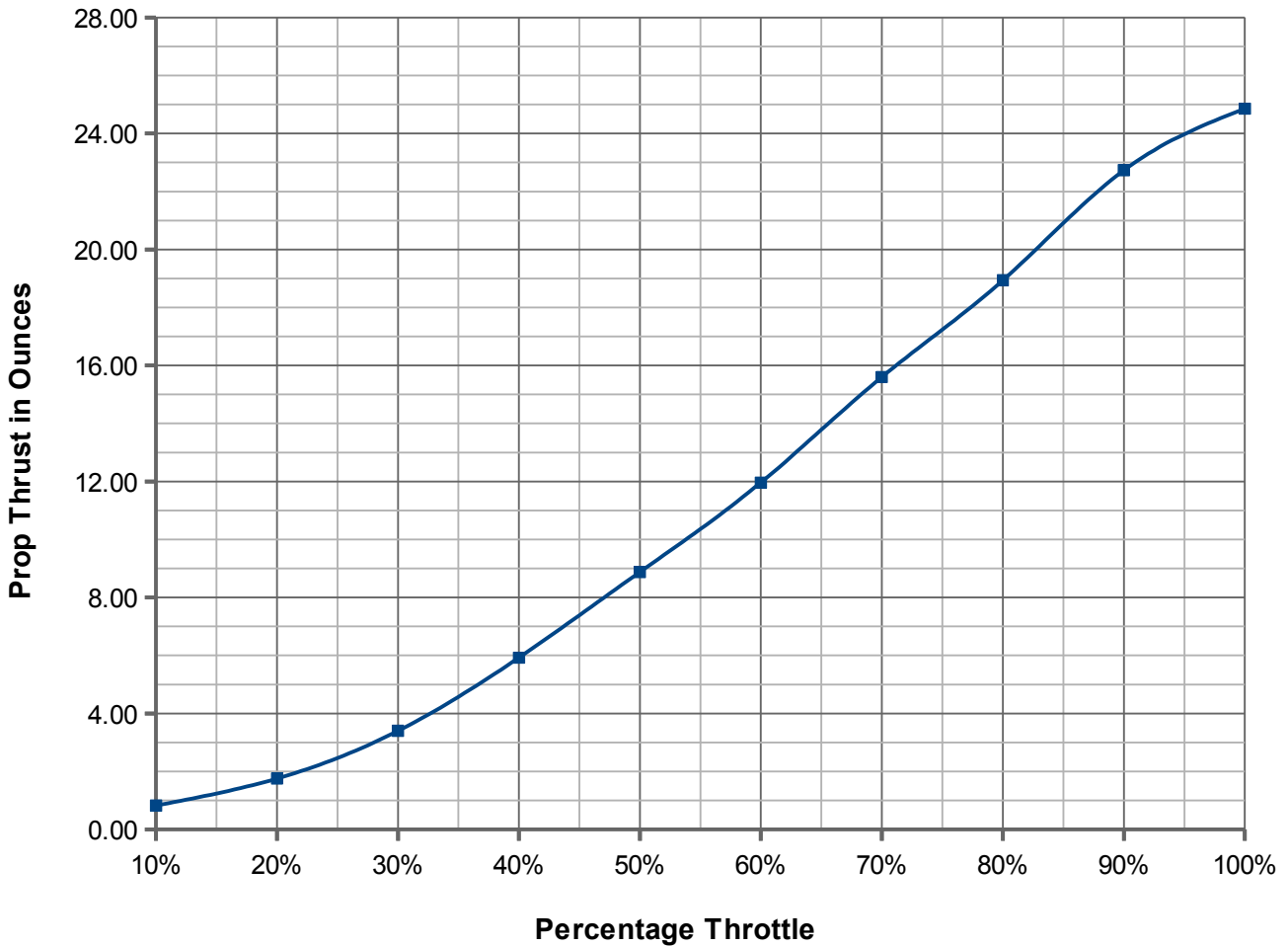
Propeller RPM vs Throttle Position



Cobra CM-2213-36 Motor Test Data, Kv=740

| Data Collected at 11.1 volts with RC-Timer 12x5.5-CF Prop | | | | | | |
|---|------------|-------------|----------|----------------|-----------------|--------------------|
| Throttle Setting | Motor Amps | Input Watts | Prop RPM | Thrust (Grams) | Thrust (Ounces) | Efficiency Grams/W |
| 10% | 0.12 | 1.28 | 864 | 23.4 | 0.82 | 18.33 |
| 20% | 0.26 | 2.89 | 1,391 | 49.8 | 1.76 | 17.26 |
| 30% | 0.55 | 6.08 | 1,929 | 96.5 | 3.40 | 15.86 |
| 40% | 1.07 | 11.92 | 2,491 | 168.1 | 5.92 | 14.10 |
| 50% | 1.88 | 20.82 | 3,030 | 251.9 | 8.88 | 12.10 |
| 60% | 2.91 | 32.28 | 3,511 | 339.4 | 11.96 | 10.51 |
| 70% | 4.28 | 47.46 | 3,947 | 442.7 | 15.60 | 9.33 |
| 80% | 5.86 | 65.07 | 4,359 | 537.4 | 18.94 | 8.26 |
| 90% | 7.78 | 86.31 | 4,705 | 645.1 | 22.73 | 7.47 |
| 100% | 9.00 | 99.88 | 4,884 | 705.3 | 24.86 | 7.06 |

Propeller Thrust vs Throttle Position



Cobra CM-2213-36 Motor Test Data, Kv=740

| Data Collected at 11.1 volts with RC-Timer 12x5.5-CF Prop | | | | | | |
|---|------------|-------------|----------|----------------|-----------------|--------------------|
| Throttle Setting | Motor Amps | Input Watts | Prop RPM | Thrust (Grams) | Thrust (Ounces) | Efficiency Grams/W |
| 10% | 0.12 | 1.28 | 864 | 23.4 | 0.82 | 18.33 |
| 20% | 0.26 | 2.89 | 1,391 | 49.8 | 1.76 | 17.26 |
| 30% | 0.55 | 6.08 | 1,929 | 96.5 | 3.40 | 15.86 |
| 40% | 1.07 | 11.92 | 2,491 | 168.1 | 5.92 | 14.10 |
| 50% | 1.88 | 20.82 | 3,030 | 251.9 | 8.88 | 12.10 |
| 60% | 2.91 | 32.28 | 3,511 | 339.4 | 11.96 | 10.51 |
| 70% | 4.28 | 47.46 | 3,947 | 442.7 | 15.60 | 9.33 |
| 80% | 5.86 | 65.07 | 4,359 | 537.4 | 18.94 | 8.26 |
| 90% | 7.78 | 86.31 | 4,705 | 645.1 | 22.73 | 7.47 |
| 100% | 9.00 | 99.88 | 4,884 | 705.3 | 24.86 | 7.06 |

Propeller Efficiency vs Throttle Position

