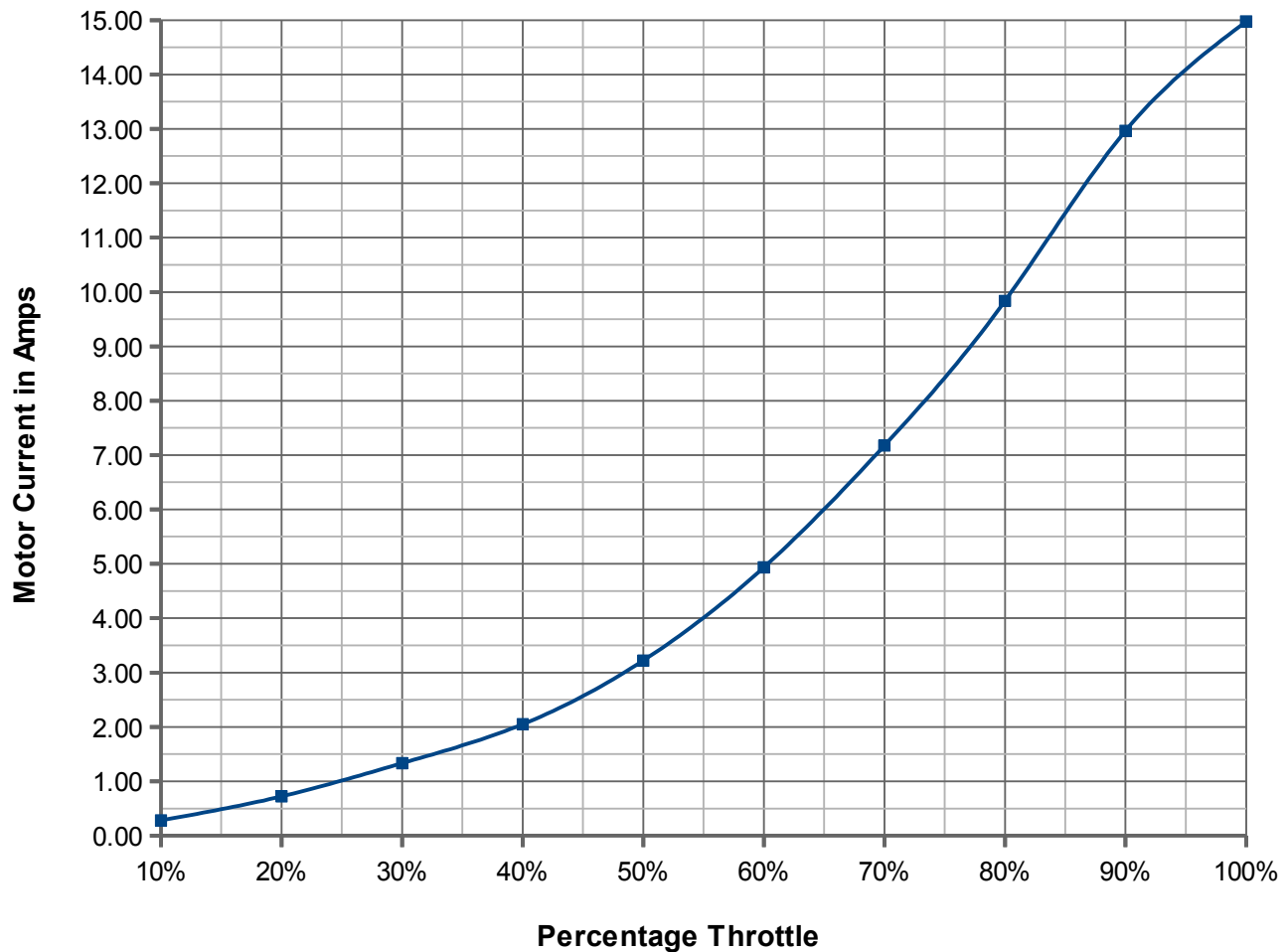


Cobra CM-2208/20 Motor Test Data, Kv=2000

| Data Collected at 7.4 volts with APC 7x5-E Prop | | | | | | |
|---|------------|-------------|----------|----------------|-----------------|--------------------|
| Throttle Setting | Motor Amps | Input Watts | Prop RPM | Thrust (Grams) | Thrust (Ounces) | Efficiency Grams/W |
| 10% | 0.28 | 2.08 | 2,077 | 22.3 | 0.79 | 10.72 |
| 20% | 0.72 | 5.35 | 3,333 | 49.5 | 1.74 | 9.25 |
| 30% | 1.33 | 9.86 | 4,355 | 83.5 | 2.94 | 8.46 |
| 40% | 2.05 | 15.17 | 5,195 | 115.3 | 4.06 | 7.60 |
| 50% | 3.22 | 23.83 | 6,180 | 163.0 | 5.74 | 6.84 |
| 60% | 4.93 | 36.51 | 7,268 | 227.2 | 8.01 | 6.22 |
| 70% | 7.17 | 53.09 | 8,303 | 302.5 | 10.66 | 5.70 |
| 80% | 9.84 | 72.79 | 9,216 | 372.5 | 13.13 | 5.12 |
| 90% | 12.97 | 95.94 | 10,034 | 446.1 | 15.72 | 4.65 |
| 100% | 14.97 | 110.81 | 10,479 | 492.9 | 17.37 | 4.45 |

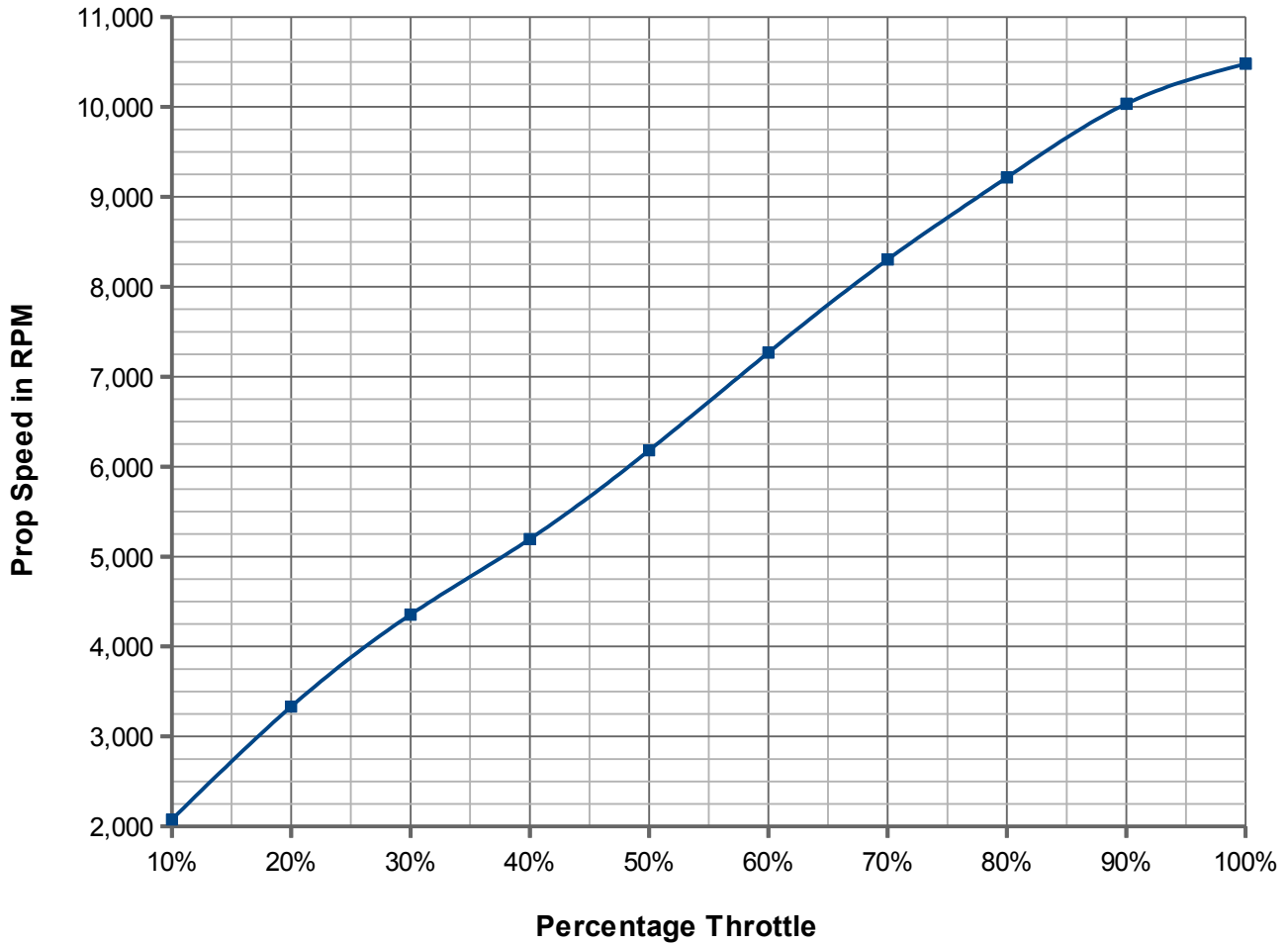
Motor Current vs Throttle Position



Cobra CM-2208/20 Motor Test Data, Kv=2000

| Data Collected at 7.4 volts with APC 7x5-E Prop | | | | | | |
|---|------------|-------------|----------|----------------|-----------------|--------------------|
| Throttle Setting | Motor Amps | Input Watts | Prop RPM | Thrust (Grams) | Thrust (Ounces) | Efficiency Grams/W |
| 10% | 0.28 | 2.08 | 2,077 | 22.3 | 0.79 | 10.72 |
| 20% | 0.72 | 5.35 | 3,333 | 49.5 | 1.74 | 9.25 |
| 30% | 1.33 | 9.86 | 4,355 | 83.5 | 2.94 | 8.46 |
| 40% | 2.05 | 15.17 | 5,195 | 115.3 | 4.06 | 7.60 |
| 50% | 3.22 | 23.83 | 6,180 | 163.0 | 5.74 | 6.84 |
| 60% | 4.93 | 36.51 | 7,268 | 227.2 | 8.01 | 6.22 |
| 70% | 7.17 | 53.09 | 8,303 | 302.5 | 10.66 | 5.70 |
| 80% | 9.84 | 72.79 | 9,216 | 372.5 | 13.13 | 5.12 |
| 90% | 12.97 | 95.94 | 10,034 | 446.1 | 15.72 | 4.65 |
| 100% | 14.97 | 110.81 | 10,479 | 492.9 | 17.37 | 4.45 |

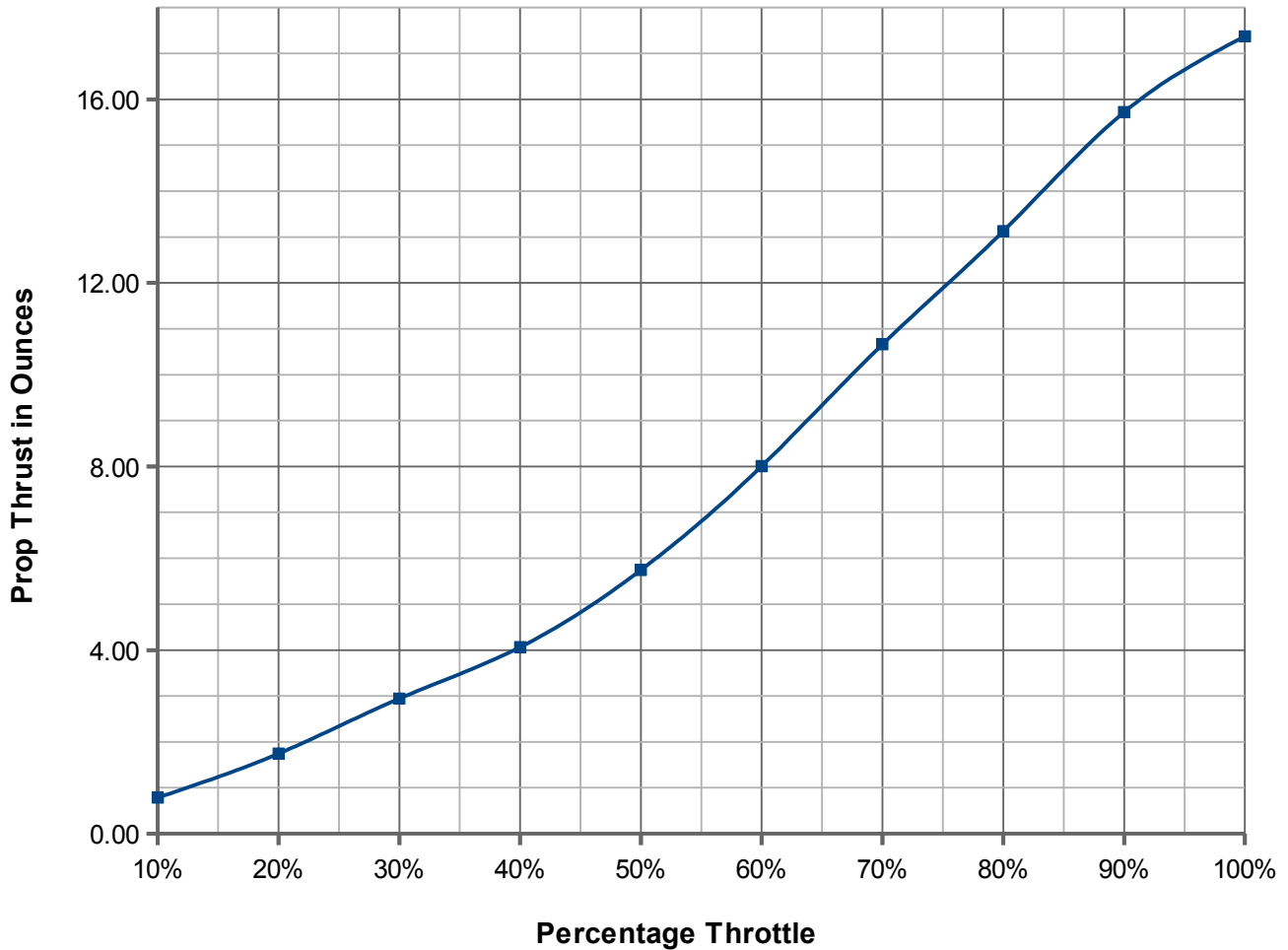
Propeller RPM vs Throttle Position



Cobra CM-2208/20 Motor Test Data, Kv=2000

| Data Collected at 7.4 volts with APC 7x5-E Prop | | | | | | |
|---|------------|-------------|----------|----------------|-----------------|--------------------|
| Throttle Setting | Motor Amps | Input Watts | Prop RPM | Thrust (Grams) | Thrust (Ounces) | Efficiency Grams/W |
| 10% | 0.28 | 2.08 | 2,077 | 22.3 | 0.79 | 10.72 |
| 20% | 0.72 | 5.35 | 3,333 | 49.5 | 1.74 | 9.25 |
| 30% | 1.33 | 9.86 | 4,355 | 83.5 | 2.94 | 8.46 |
| 40% | 2.05 | 15.17 | 5,195 | 115.3 | 4.06 | 7.60 |
| 50% | 3.22 | 23.83 | 6,180 | 163.0 | 5.74 | 6.84 |
| 60% | 4.93 | 36.51 | 7,268 | 227.2 | 8.01 | 6.22 |
| 70% | 7.17 | 53.09 | 8,303 | 302.5 | 10.66 | 5.70 |
| 80% | 9.84 | 72.79 | 9,216 | 372.5 | 13.13 | 5.12 |
| 90% | 12.97 | 95.94 | 10,034 | 446.1 | 15.72 | 4.65 |
| 100% | 14.97 | 110.81 | 10,479 | 492.9 | 17.37 | 4.45 |

Propeller Thrust vs Throttle Position



Cobra CM-2208/20 Motor Test Data, Kv=2000

| Data Collected at 7.4 volts with APC 7x5-E Prop | | | | | | |
|---|------------|-------------|----------|----------------|-----------------|--------------------|
| Throttle Setting | Motor Amps | Input Watts | Prop RPM | Thrust (Grams) | Thrust (Ounces) | Efficiency Grams/W |
| 10% | 0.28 | 2.08 | 2,077 | 22.3 | 0.79 | 10.72 |
| 20% | 0.72 | 5.35 | 3,333 | 49.5 | 1.74 | 9.25 |
| 30% | 1.33 | 9.86 | 4,355 | 83.5 | 2.94 | 8.46 |
| 40% | 2.05 | 15.17 | 5,195 | 115.3 | 4.06 | 7.60 |
| 50% | 3.22 | 23.83 | 6,180 | 163.0 | 5.74 | 6.84 |
| 60% | 4.93 | 36.51 | 7,268 | 227.2 | 8.01 | 6.22 |
| 70% | 7.17 | 53.09 | 8,303 | 302.5 | 10.66 | 5.70 |
| 80% | 9.84 | 72.79 | 9,216 | 372.5 | 13.13 | 5.12 |
| 90% | 12.97 | 95.94 | 10,034 | 446.1 | 15.72 | 4.65 |
| 100% | 14.97 | 110.81 | 10,479 | 492.9 | 17.37 | 4.45 |

Propeller Efficiency vs Throttle Position

