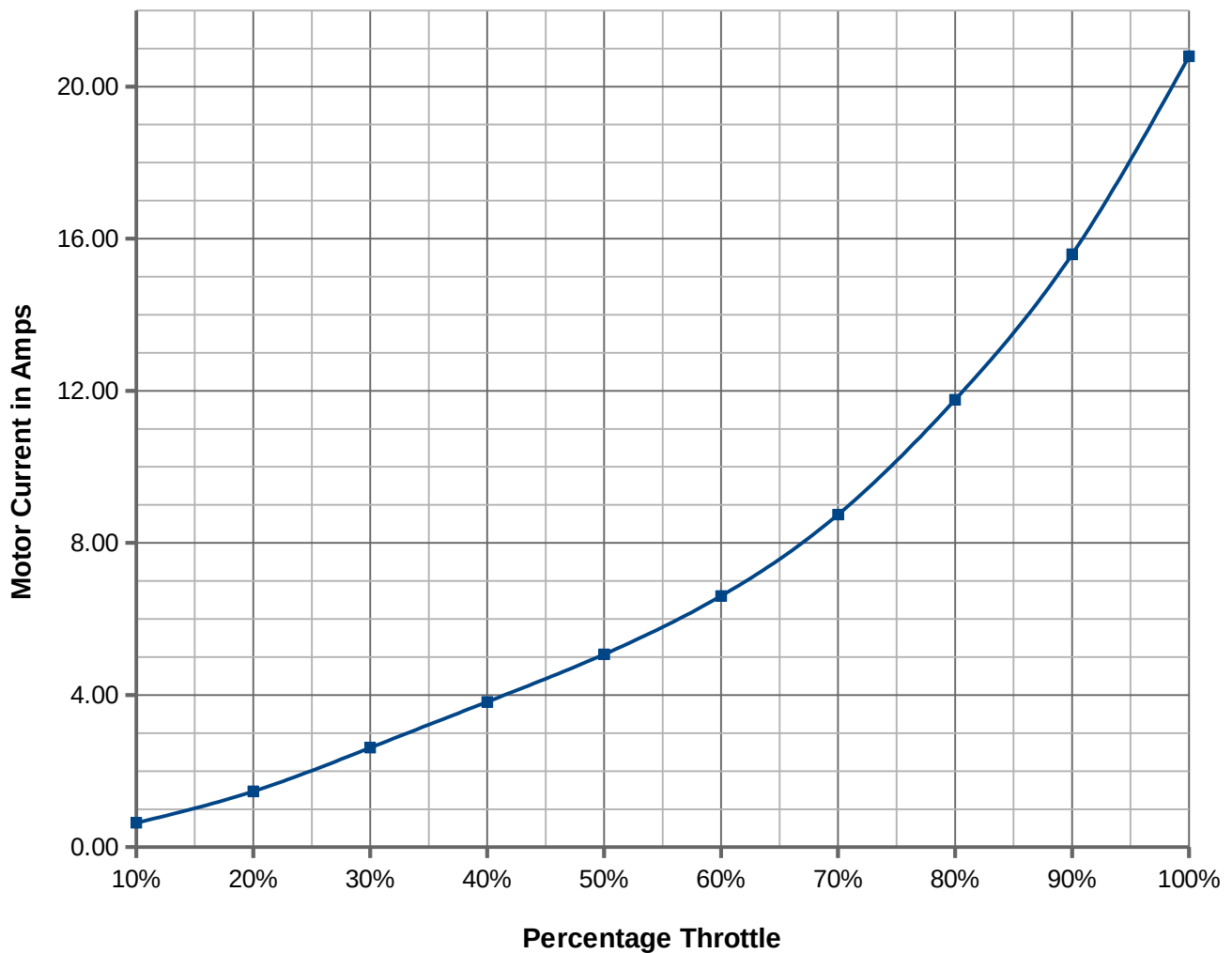


Cobra CM-2206-17 Motor Test Data, Kv=2400

| Data Collected at 14.8 volts with HQ 5x4 Prop | | | | | | |
|---|------------|-------------|----------|----------------|-----------------|--------------------|
| Throttle Setting | Motor Amps | Input Watts | Prop RPM | Thrust (Grams) | Thrust (Ounces) | Efficiency Grams/W |
| 10% | 0.64 | 9.46 | 6,756 | 49.9 | 1.76 | 5.28 |
| 20% | 1.47 | 21.70 | 10,228 | 117.6 | 4.15 | 5.42 |
| 30% | 2.62 | 38.70 | 13,038 | 192.1 | 6.78 | 4.96 |
| 40% | 3.82 | 56.55 | 15,223 | 263.8 | 9.31 | 4.66 |
| 50% | 5.07 | 75.07 | 17,084 | 332.8 | 11.74 | 4.43 |
| 60% | 6.61 | 97.77 | 18,970 | 411.0 | 14.50 | 4.20 |
| 70% | 8.75 | 129.44 | 21,200 | 512.2 | 18.07 | 3.96 |
| 80% | 11.77 | 174.12 | 23,768 | 638.7 | 22.53 | 3.67 |
| 90% | 15.59 | 230.70 | 26,185 | 779.3 | 27.49 | 3.38 |
| 100% | 20.80 | 307.80 | 29,016 | 969.4 | 34.19 | 3.15 |

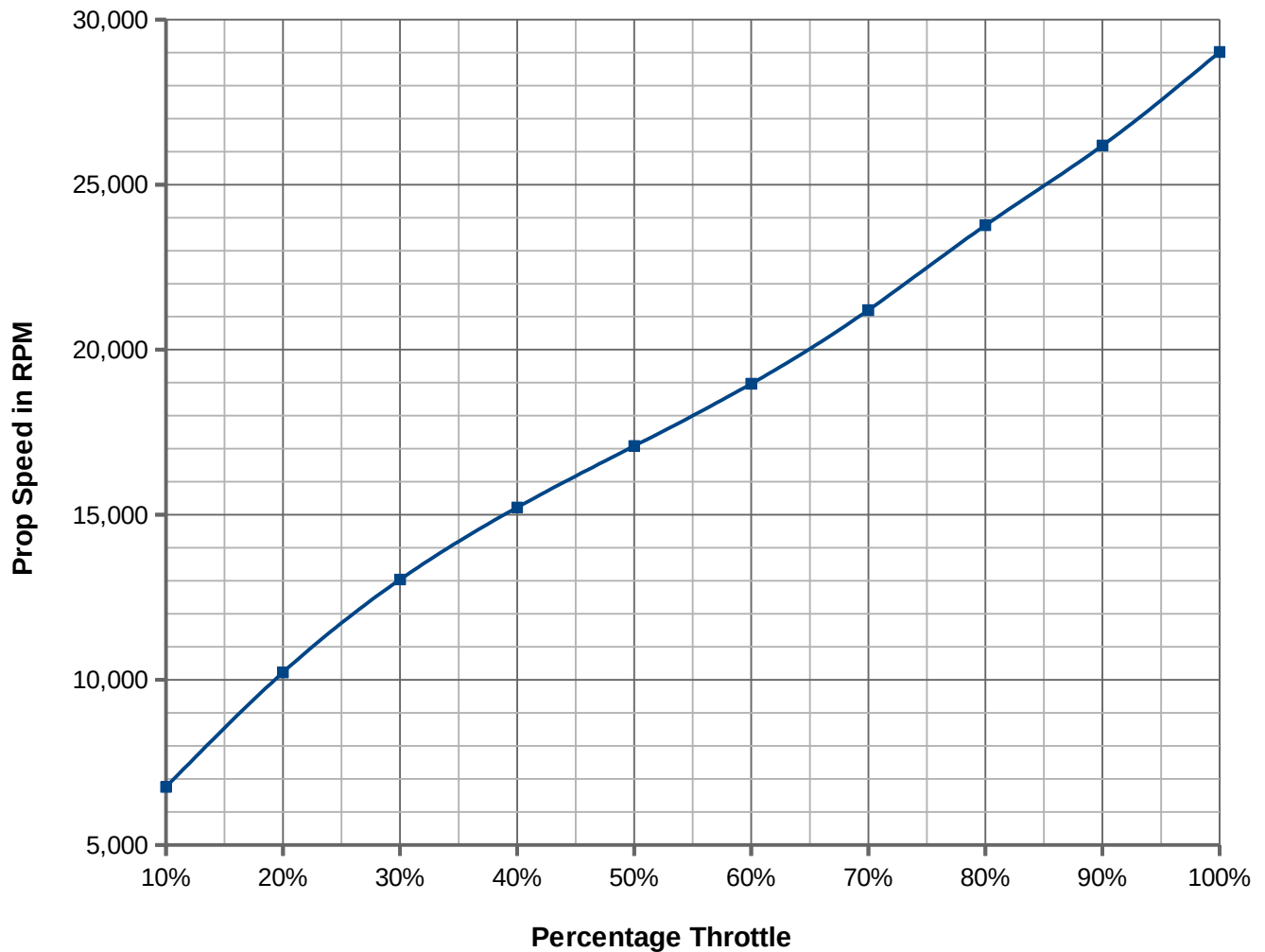
Motor Current vs Throttle Position



Cobra CM-2206-17 Motor Test Data, Kv=2400

| Data Collected at 14.8 volts with HQ 5x4 Prop | | | | | | |
|---|------------|-------------|----------|----------------|-----------------|--------------------|
| Throttle Setting | Motor Amps | Input Watts | Prop RPM | Thrust (Grams) | Thrust (Ounces) | Efficiency Grams/W |
| 10% | 0.64 | 9.46 | 6,756 | 49.9 | 1.76 | 5.28 |
| 20% | 1.47 | 21.70 | 10,228 | 117.6 | 4.15 | 5.42 |
| 30% | 2.62 | 38.70 | 13,038 | 192.1 | 6.78 | 4.96 |
| 40% | 3.82 | 56.55 | 15,223 | 263.8 | 9.31 | 4.66 |
| 50% | 5.07 | 75.07 | 17,084 | 332.8 | 11.74 | 4.43 |
| 60% | 6.61 | 97.77 | 18,970 | 411.0 | 14.50 | 4.20 |
| 70% | 8.75 | 129.44 | 21,200 | 512.2 | 18.07 | 3.96 |
| 80% | 11.77 | 174.12 | 23,768 | 638.7 | 22.53 | 3.67 |
| 90% | 15.59 | 230.70 | 26,185 | 779.3 | 27.49 | 3.38 |
| 100% | 20.80 | 307.80 | 29,016 | 969.4 | 34.19 | 3.15 |

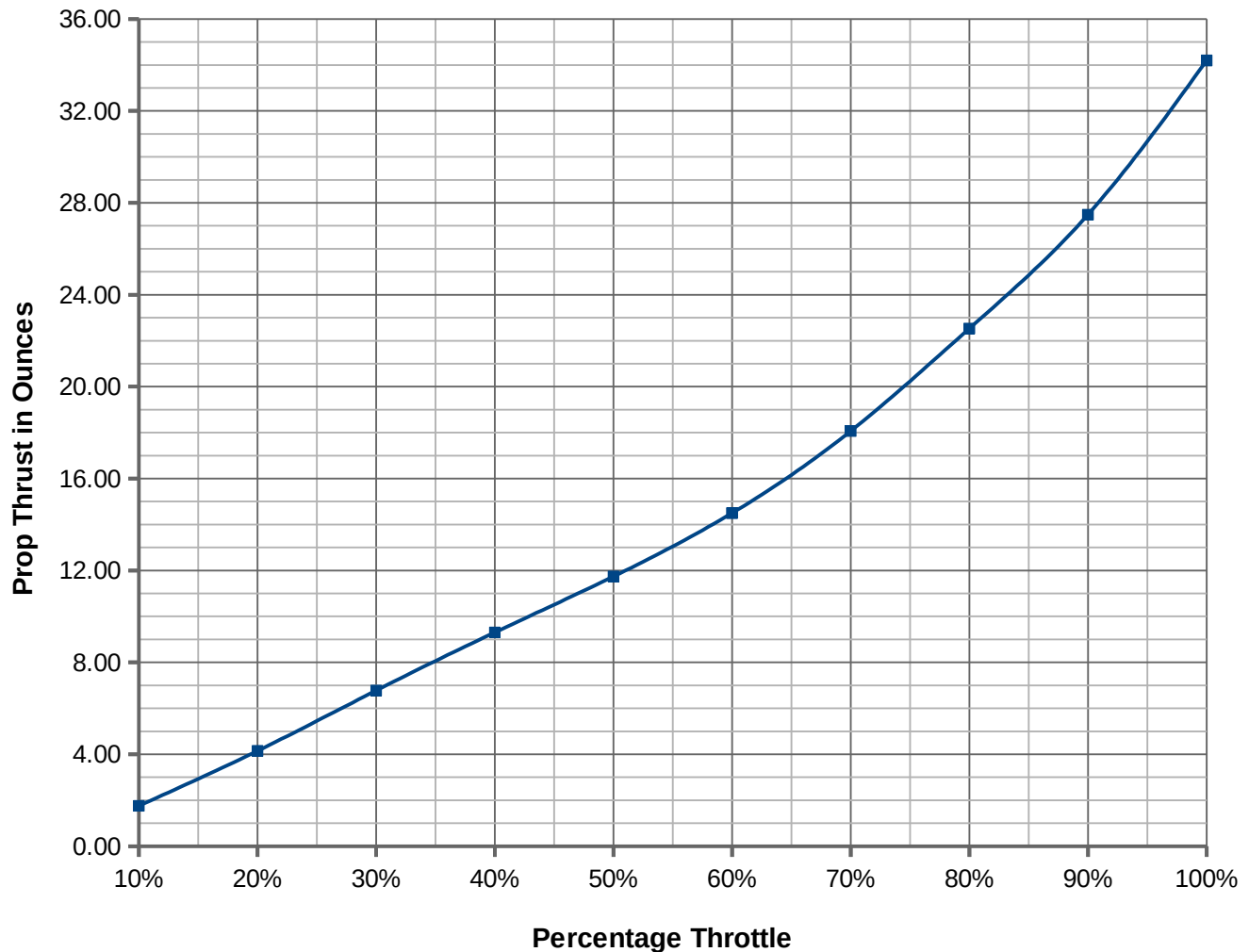
Propeller RPM vs Throttle Position



Cobra CM-2206-17 Motor Test Data, Kv=2400

| Data Collected at 14.8 volts with HQ 5x4 Prop | | | | | | |
|---|------------|-------------|----------|----------------|-----------------|--------------------|
| Throttle Setting | Motor Amps | Input Watts | Prop RPM | Thrust (Grams) | Thrust (Ounces) | Efficiency Grams/W |
| 10% | 0.64 | 9.46 | 6,756 | 49.9 | 1.76 | 5.28 |
| 20% | 1.47 | 21.70 | 10,228 | 117.6 | 4.15 | 5.42 |
| 30% | 2.62 | 38.70 | 13,038 | 192.1 | 6.78 | 4.96 |
| 40% | 3.82 | 56.55 | 15,223 | 263.8 | 9.31 | 4.66 |
| 50% | 5.07 | 75.07 | 17,084 | 332.8 | 11.74 | 4.43 |
| 60% | 6.61 | 97.77 | 18,970 | 411.0 | 14.50 | 4.20 |
| 70% | 8.75 | 129.44 | 21,200 | 512.2 | 18.07 | 3.96 |
| 80% | 11.77 | 174.12 | 23,768 | 638.7 | 22.53 | 3.67 |
| 90% | 15.59 | 230.70 | 26,185 | 779.3 | 27.49 | 3.38 |
| 100% | 20.80 | 307.80 | 29,016 | 969.4 | 34.19 | 3.15 |

Propeller Thrust vs Throttle Position



Cobra CM-2206-17 Motor Test Data, Kv=2400

| Data Collected at 14.8 volts with HQ 5x4 Prop | | | | | | |
|---|------------|-------------|----------|----------------|-----------------|--------------------|
| Throttle Setting | Motor Amps | Input Watts | Prop RPM | Thrust (Grams) | Thrust (Ounces) | Efficiency Grams/W |
| 10% | 0.64 | 9.46 | 6,756 | 49.9 | 1.76 | 5.28 |
| 20% | 1.47 | 21.70 | 10,228 | 117.6 | 4.15 | 5.42 |
| 30% | 2.62 | 38.70 | 13,038 | 192.1 | 6.78 | 4.96 |
| 40% | 3.82 | 56.55 | 15,223 | 263.8 | 9.31 | 4.66 |
| 50% | 5.07 | 75.07 | 17,084 | 332.8 | 11.74 | 4.43 |
| 60% | 6.61 | 97.77 | 18,970 | 411.0 | 14.50 | 4.20 |
| 70% | 8.75 | 129.44 | 21,200 | 512.2 | 18.07 | 3.96 |
| 80% | 11.77 | 174.12 | 23,768 | 638.7 | 22.53 | 3.67 |
| 90% | 15.59 | 230.70 | 26,185 | 779.3 | 27.49 | 3.38 |
| 100% | 20.80 | 307.80 | 29,016 | 969.4 | 34.19 | 3.15 |

Propeller Efficiency vs Throttle Position

