

# I8 KV75

| Test Data                                 |             |          |             |             |                      |                           |                          |
|-------------------------------------------|-------------|----------|-------------|-------------|----------------------|---------------------------|--------------------------|
| Type                                      | Voltage (V) | Throttle | Current (A) | Thrust (gf) | Motor Efficiency (%) | Overall Efficiency (gf/W) | Ambient Temperature (°C) |
| I8 KV75<br>+<br>14S FOC 50A<br>+<br>I36-S | 60.04       | 30%      | 0.93        | 970         | 77.57                | 17.37                     | 30                       |
|                                           | 60.03       | 35%      | 1.48        | 1445        | 80.26                | 16.26                     |                          |
|                                           | 60.00       | 40%      | 2.20        | 2001        | 82.55                | 15.18                     |                          |
|                                           | 59.97       | 45%      | 3.12        | 2634        | 83.93                | 14.07                     |                          |
|                                           | 59.92       | 50%      | 4.28        | 3344        | 84.20                | 13.03                     |                          |
|                                           | 59.88       | 55%      | 5.70        | 4124        | 84.76                | 12.08                     |                          |
|                                           | 59.80       | 60%      | 7.42        | 4985        | 84.67                | 11.24                     |                          |
|                                           | 59.73       | 65%      | 9.49        | 5914        | 84.18                | 10.44                     |                          |
|                                           | 59.62       | 70%      | 11.92       | 6902        | 83.32                | 9.71                      |                          |
|                                           | 59.50       | 75%      | 14.77       | 7943        | 82.35                | 9.04                      |                          |
|                                           | 59.42       | 80%      | 18.03       | 8980        | 80.39                | 8.38                      |                          |
|                                           | 59.29       | 85%      | 21.80       | 10026       | 78.25                | 7.76                      |                          |
|                                           | 59.10       | 90%      | 25.96       | 10969       | 74.85                | 7.15                      |                          |
|                                           | 59.00       | 95%      | 28.94       | 11451       | 71.47                | 6.71                      |                          |
|                                           | 58.98       | 100%     | 29.08       | 11450       | 71.16                | 6.68                      |                          |

The above data is measured on a professional laboratory test bench and is provided for reference in product selection.

## Thrust-Efficiency Curve

