

XRotor 2405-1800KV

|                          |   |       |        |          |       |            |
|--------------------------|---|-------|--------|----------|-------|------------|
| Specifications           | 2405-1800KV   |       |        |          |       |            |
| Stator Diameter          | 24mm  |       |        |          |       |            |
| Stator Thickness         | 5mm   |       |        |          |       |            |
| No. of Stator Arms       | 12  |       |        |          |       |            |
| No. of Stator Poles      | 14  |       |        |          |       |            |
| Motor KV                 | 1800  |       |        |          |       |            |
| No-Load Current (A/10V)  | 1.2A  |       |        |          |       |            |
| Motor Resistance         | 0.0627 Ω  |       |        |          |       |            |
| Max Continuous Power     | 420W  |       |        |          |       |            |
| Max Continuous Current   | 25A/15s   |       |        |          |       |            |
| Weight                   | 35.5g   |       |        |          |       |            |
| Outside Diameter         | 30.8mm  |       |        |          |       |            |
| Shaft Diameter           | 5mm   |       |        |          |       |            |
| Body Length              | 15.9mm  |       |        |          |       |            |
| Overall Shaft Length     | 29.4mm  |       |        |          |       |            |
| Max Lipo Cell            | 4S  |       |        |          |       |            |
| Recommended Prop(inch)   | 5045 Three-bladed Propeller   6040 Two-bladed Propeller |       |        |          |       |            |
| ESC                      | 30A/3-4S  |       |        |          |       |            |
| Prop                     | Volts   | Amps  | Thrust | Throttle | Watts | Efficiency |
| (inch)                   | (V)   | (A)   | (g)    | (%)      | (W)   | (g/W)      |
| 5*4.5Two-bladed Propelle | 16.8  | 4.40  | 300    | 50%      | 73    | 4.08       |
|                          |   | 6.56  | 400    | 62%      | 109   | 3.66       |
|                          |   | 8.95  | 500    | 71%      | 149   | 3.37       |
|                          |   | 11.67 | 600    | 79%      | 193   | 3.11       |
|                          |   | 14.51 | 700    | 85%      | 240   | 2.91       |
|                          |   | 21.13 | 876    | 100%     | 346   | 2.53       |
| 6*4.0Two-bladed Propelle | 16.8  | 0.72  | 100    | 25%      | 12    | 8.37       |
|                          |   | 3.85  | 300    | 48%      | 64    | 4.65       |
|                          |   | 7.54  | 500    | 65%      | 125   | 4.00       |
|                          |   | 12.64 | 700    | 78%      | 209   | 3.36       |
|                          |   | 17.95 | 900    | 88%      | 294   | 3.04       |
|                          |   | 24.85 | 1118   | 100%     | 407   | 2.75       |