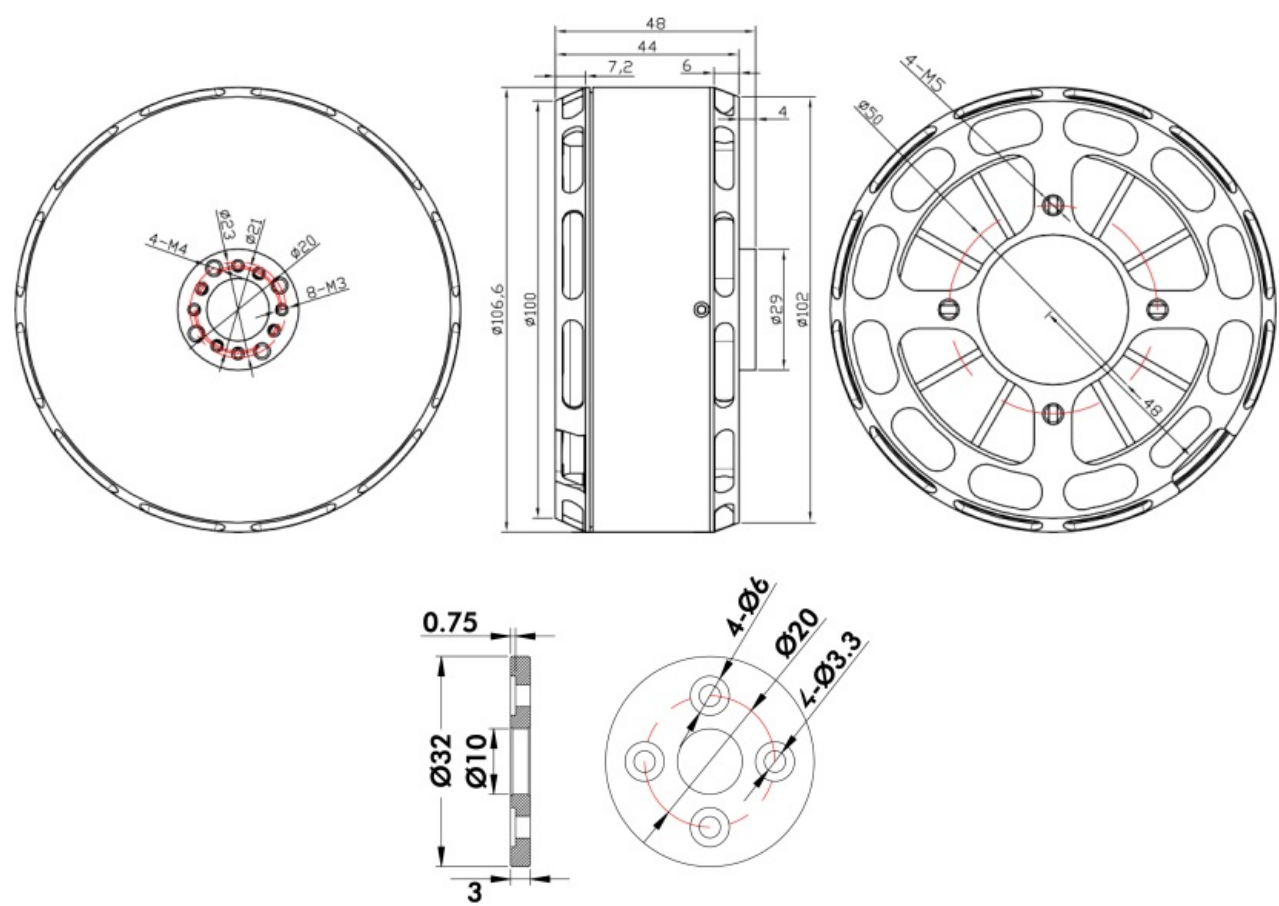




Specification

|                            |                                                                |                                              |                           |
|----------------------------|----------------------------------------------------------------|----------------------------------------------|---------------------------|
| Model No./ Kv              | V10 KV160                                                      | Magnet Temperature Resistance Grade          | Class C 150°C             |
| Motor Size ( mm )          | Φ106.6*48                                                      | Lead ( mm )                                  | Enameled Wire 150mm       |
| Stator Technology          | Anti-rust treatment ;180°C high temperature-resisting coatings | Enamelled Wires Temperature Resistance Grade | Class C 220°C             |
| Configuration              | 36N42P                                                         | Coil Withdraw Voltage                        | 1000V/5s                  |
| Shaft Diameter ( mm )      | IN:15                                                          | Rotor Dynamic Balance Standard               | ≤5mg                      |
| Bearing                    | Imported 6202ZZ                                                | IP                                           | IP35                      |
| KV Value                   | KV160                                                          | Battery (lipo)/Voltage Recommendation        | 12S(4.2V/Sl)/42-52V       |
| Idle Current ( 18V )       | 4.4A                                                           | ESC Recommendation                           | FLAME 200A 14S            |
| Peak Current ( A )         | 155A/Continuous 180s                                           | Propeller Recommendation                     | G30*10.5                  |
| Max. Power ( W )           | 7000W/Continuous 180s                                          | Motor Weight ( g )                           | 865g Weight (incl.cables) |
| Internal Resistance ( mΩ ) | 12                                                             | Package Weight ( g )                         | 1230g                     |

Test Data

|          |      |          |             |            |              |             |     |                |                  |                           |
|----------|------|----------|-------------|------------|--------------|-------------|-----|----------------|------------------|---------------------------|
| Item No. | Prop | Throttle | Voltage (V) | Thrust (g) | Torque (N*m) | Current (A) | RPM | Inputpower (W) | Efficiency (g/W) | Operating Temperature °C) |
|----------|------|----------|-------------|------------|--------------|-------------|-----|----------------|------------------|---------------------------|

|              |                      |      |       |       |      |        |      |         |      |       |
|--------------|----------------------|------|-------|-------|------|--------|------|---------|------|-------|
| V10<br>KV160 | LIGPOWER<br>G29*9.5  | 40%  | 47.55 | 5060  | 1.67 | 13.07  | 2562 | 621.35  | 8.15 | 127°C |
|              |                      | 45%  | 47.43 | 6654  | 2.19 | 18.84  | 2929 | 893.77  | 7.45 |       |
|              |                      | 50%  | 47.33 | 8000  | 2.62 | 24.17  | 3199 | 1143.89 | 6.99 |       |
|              |                      | 55%  | 47.20 | 9465  | 3.10 | 30.78  | 3470 | 1452.91 | 6.51 |       |
|              |                      | 60%  | 47.06 | 10985 | 3.60 | 37.97  | 3724 | 1787.01 | 6.15 |       |
|              |                      | 65%  | 46.71 | 12420 | 4.06 | 46.13  | 3943 | 2154.98 | 5.76 |       |
|              |                      | 70%  | 46.60 | 13912 | 4.55 | 53.58  | 4155 | 2496.49 | 5.57 |       |
|              |                      | 75%  | 46.42 | 15575 | 5.10 | 63.45  | 4386 | 2945.13 | 5.29 |       |
|              |                      | 80%  | 46.21 | 17377 | 5.68 | 74.60  | 4621 | 3447.20 | 5.04 |       |
|              |                      | 90%  | 45.81 | 21004 | 6.91 | 100.19 | 5074 | 4589.40 | 4.58 |       |
|              |                      | 100% | 45.23 | 25171 | 8.35 | 134.53 | 5539 | 6084.92 | 4.14 |       |
|              | LIGPOWER<br>G30*10.5 | 40%  | 47.48 | 5816  | 1.99 | 15.29  | 2512 | 726.02  | 8.01 | HOT   |
|              |                      | 45%  | 47.42 | 7276  | 2.48 | 20.26  | 2797 | 960.91  | 7.57 |       |
|              |                      | 50%  | 47.24 | 9186  | 3.15 | 28.46  | 3138 | 1344.32 | 6.83 |       |
|              |                      | 55%  | 47.08 | 10865 | 3.73 | 36.14  | 3397 | 1701.42 | 6.39 |       |
|              |                      | 60%  | 46.79 | 12523 | 4.30 | 44.44  | 3628 | 2079.35 | 6.02 |       |
|              |                      | 65%  | 46.64 | 14339 | 4.93 | 54.27  | 3864 | 2531.14 | 5.67 |       |
|              |                      | 70%  | 46.49 | 15824 | 5.45 | 63.16  | 4057 | 2936.51 | 5.39 |       |
|              |                      | 75%  | 46.25 | 17565 | 6.09 | 74.56  | 4263 | 3448.38 | 5.09 |       |
|              |                      | 80%  | 46.03 | 19445 | 6.74 | 87.05  | 4485 | 4006.83 | 4.85 |       |
|              |                      | 90%  | 45.52 | 23571 | 8.17 | 117.00 | 4901 | 5325.58 | 4.43 |       |
|              |                      | 100% | 44.82 | 27976 | 9.75 | 155.92 | 5318 | 6988.97 | 4.00 |       |

Notes : Motor temperature is the motor surface temperature aftering running at 80% for 10 mins.  
(Based on LIGPOWER test bench(es), all data are for reference only. LIGPOWER reserves the right of final interpretation. )

#### Packing List



Before using this product, please check if all the items listed above are included in the packaging. If there are any missing items, please contact our online customer service or leave message to "[onlinesales@ligpower.com](mailto:onlinesales@ligpower.com)" in time.