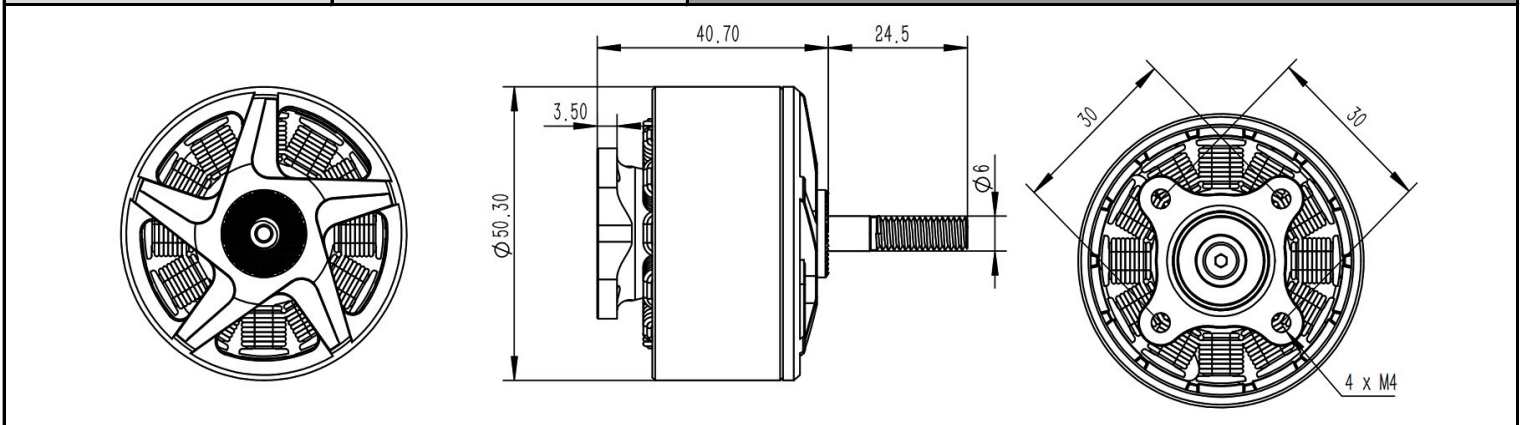


# MOTORS: EX4220-415

| Technical Datas           |              |
|---------------------------|--------------|
| KV                        | 415          |
| Configu-ration            | 12N14P       |
| Stator Diamter            | 42           |
| Stator Length             | 20mm         |
| Shaft Diameter            | 6mm(Hollow)  |
| Motor Dimension(Dia.*Len) | Φ50.3*40.7mm |
| Weight(g)                 | 310          |
| Idle current(10)@10V(A)   | 1.7          |
| No.of Cells(Lipo)         | 10-12S       |
| Max Continuous Power(W)5S | 4098         |
| Internal Resistance       | 32mΩ         |
| Max Current(5S)           | 92.3A        |
| Max.Efficiency Current    | (8-16A)>85%  |



| Prop<br>(inch)  | Voltages<br>(V) | Throttle<br>(%) | Load Currencty<br>(A) | Pull(g) | Power(W) | Efficiency(<br>g/W) | Temperature(in full throttle<br>load 5Sec) |
|-----------------|-----------------|-----------------|-----------------------|---------|----------|---------------------|--------------------------------------------|
| GF1308*3        | 44.4            | 25%             | 2.6                   | 731     | 115.4    | 6.332               | 86℃                                        |
|                 |                 | 50%             | 10.8                  | 1993    | 479.5    | 4.156               |                                            |
|                 |                 | 75%             | 48.8                  | 5525    | 2166.7   | 2.550               |                                            |
|                 |                 | 100%            | 86.9                  | 8646    | 3858.4   | 2.241               |                                            |
| GF1310*3        | 44.4            | 25%             | 2.5                   | 712     | 111.0    | 6.414               | 91℃                                        |
|                 |                 | 50%             | 13.1                  | 2668    | 581.6    | 4.587               |                                            |
|                 |                 | 75%             | 50.4                  | 6196    | 2237.8   | 2.769               |                                            |
|                 |                 | 100%            | 92.3                  | 8780    | 4098.1   | 2.142               |                                            |
| HQ1309*3        | 44.4            | 25%             | 2.4                   | 737     | 106.6    | 6.916               | 90℃                                        |
|                 |                 | 50%             | 12.9                  | 2655    | 572.8    | 4.635               |                                            |
|                 |                 | 75%             | 49.1                  | 6451    | 2180.0   | 2.959               |                                            |
|                 |                 | 100%            | 92                    | 8914    | 4084.8   | 2.182               |                                            |
| RC1558*3<br>折叠桨 | 44.4            | 25%             | 2.7                   | 714     | 119.9    | 5.956               | 91℃                                        |
|                 |                 | 50%             | 13.1                  | 2668    | 581.6    | 4.587               |                                            |
|                 |                 | 75%             | 50.4                  | 6196    | 2237.8   | 2.769               |                                            |
|                 |                 | 100%            | 92.3                  | 8780    | 4098.1   | 2.142               |                                            |
| □Airplane       |                 |                 | □Helicopter           |         |          | ■Vtol               |                                            |