

# Motor Information

Motor values measured with Nucular controller, inductance measured at 1khz sine under high current (10A+ depends on motor)

| Motor                               | Pole pair | R mOhm | eRPM/V | D uH | Q uH | Weight | Add. info                                |
|-------------------------------------|-----------|--------|--------|------|------|--------|--|
| QS Motor 165-35H v1                 | 7         | 12     | 483    | 189  | 196  | 7.1kg  | KTY83, Encoder 4096                      |
| QS Motor 165-35H v2                 | 5         | 9      | 323    | 87   | 136  |        | KTY83, Encoder 4096                      |
| KO RS motor for SurRon              | 4         | 8.1    | 378    | 86   | 126  |        | add 2.5k resistor between red and yellow |
| Sur-Ron Light Bee                   | 5         | 15.1   | 465    | 82   | 91   | 7.3kg  | KTY84, belt ratio 23:51 (2.22)           |
| Talaria Sting TL3000                | 5         | 10.7   | 485    | 73   | 80   |        | KTY84, Encoder 4096, gearbox 2.467?      |
| Arctic leopard E                    | 5         | 17.7   | 371    | 108  | 155  |        | KTY83, encoder 1024, gearbox 2.95        |
| Sotion motor                        | 5         | 8.6    | 433    | 59   | 74   | 15kg   |  |
| QS Motor v2 205 \ Cromotor          | 23        |        |        |      |      |        |  |
| QS Motor v3 205 \ 260               | 16        |        |        |      |      |        |  |
| QS Motor 212                        | 26        |        |        |      |      |        |  |
| QS Motor 138 70H                    | 5         | 8.7    | 404    | 49   | 62   |        |  |
| QS Motor 138 90H                    | 5         | 9.1    | 319    | 62   | 77   |        |  |
| QS Motor 90 mid drive 1kW           | 5         | 6.3    | 260    | 280  | 412  |        |  |
| Magic Pie                           | 28        |        |        |      |      |        |  |
| Mxus 1500-3000W                     | 23        |        |        |      |      |        |  |
| Crysatlyte H, Crown, Nine Continent | 20        |        |        |      |      |        |  |
| Crysatlyte NSM, SAW                 | 23        |        |        |      |      |        |  |
| E-Twow \ Kugo                       | 15        |        |        |      |      |        |  |
| MAC \ eZee \ BMC \ Puma             | 16        |        |        |      |      |        | 5:1                                      |
| LMX \ Denzel                        | 4         |        |        |      |      |        |  |
| Bafang BBSHD                        | 4         |        |        |      |      |        | 21.9:1                                   |
| Nissan leaf EM57                    | 4         | 21.1   | 82     | 252  | 739  | huge   |  |
| Nissan leaf EM57 Delta              | 4         | 8.4    | 145    | 90   | 264  | huge   |  |
| Denzel D7500                        | 3         | 39.7   | 213    | 136  | 338  | 8kg    | KTY84                                    |

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