

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 | | | 7.1kg | KTY83, Encoder 4096 |
| QS Motor 165-35H v2 | 5 | 11 | 342 | 52 | 79 | | KTY83, Encoder 4096 |
| E-Ride Pro (QS) | 5 | 9 | 323 | | | | KTY83, Encoder 4096 |
| KO RS motor for SurRon | 4 | 8.1 | 378 | | | | add 3.3k resistor between red and yellow |
| Torp TM25 | 5 | 4.3 | 470 | 48 | 59 | 9.8kg | add 3.3k resistor between A and 5V |
| Sur-Ron Light Bee | 5 | 15.1 | 465 | | | 7.3kg | KTY84, belt ratio 23:51 (2.22) |
| Talaria Sting TL3000 | 5 | 10.7 | 485 | | | | KTY84, Encoder 4096, gearbox 2.467? |
| Arctic leopard E | 5 | 17.7 | 371 | | | | KTY83, encoder 1024, gearbox 2.95 |
| Sotion motor | 5 | 8.6 | 433 | 59 | 74 | 15kg | Yellow - A, Green - B, Blue - Z, White - PWM, Brown - T |
| Sotion FW02 | 5 | 7.3 | 477 | 30 | 37 | 10kg | Encoder 1024 |
| Sotion gts11 | 5 | 11.8 | 525 | 22 | 30 | 7.2kg | NTC |
| 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 | | | | |
| QS Motor 90 mid drive 1kW | 5 | 6.3 | 260 | | | | |
| 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 | | | huge | |
| Nissan leaf EM57 Delta | 4 | 8.4 | 145 | | | huge | |
| Denzel D7500 | 3 | 39.7 | 213 | | | 8kg | KTY84 |
| Apollo RFN | 8 | 18.2 | 322.1 | 84 | 106 | | KTY84 |

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