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	9	323				KTY83, Encoder 4096
E-Ride Pro (QS)	5	11	342	52	79		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

From:
https://docs.nucular.tech/ - **Nucular Electronics**

Permanent link:
https://docs.nucular.tech/doku.php?id=en:motor_information

Last update: **2025/06/13 12:53**