

# 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	V/eRPM	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

From:

<https://docs.nucular.tech/> - **Nucular Electronics**

Permanent link:

[https://docs.nucular.tech/doku.php?id=en:motor\\_information&rev=1698409333](https://docs.nucular.tech/doku.php?id=en:motor_information&rev=1698409333)

Last update: **2023/10/27 14:22**