

# Drive Motor Info

(Could staff check this page over again? It was full of typos which I hopefully fixed in the right way.)

## Drive motors

Supplier: [ClickAutomation.com](http://ClickAutomation.com), Part No. [GM8712-31](#)

<b>Max continuous torque</b>	46 oz-in
<b>Peak torque</b>	201 oz-in
<b>No load speed</b>	128 rpm
<b>Kt</b>	3.06 oz-in/amp
<b>Ke</b>	2.27 v/krpm
<b>Rated voltage</b>	19.1 V (adjust figures for 12 V)

## High torque motors

<b>Operating range</b>	3 VDC to 12 VDC
<b>No load current</b>	35 mA
<b>No load speed</b>	15 rpm
<b>Current at max efficiency</b>	90 mA
<b>Speed at max efficiency</b>	7 rpm
<b>Torque with load at max efficiency</b>	0.8 kg-cm
<b>Motor size</b>	1.1" diameter x 0.60" length
<b>Gear size</b>	0.90" diameter x 1.00" length
<b>Shaft size</b>	0.16" diameter x 0.70" length

# High speed motors

<b>Insulation resistance</b>	10 M*
<b>Dielectric strength</b>	300 VDC
<b>Operating range</b>	4.5 VDC - 12 VDC
<b>No load current</b>	65 mA
<b>No load speed</b>	225 rpm
<b>Started torque</b>	0.70 kg-cm
<b>Gear ratio</b>	30:1
<b>Motor size</b>	1.1" diameter x 0.6" length
<b>Shaft size</b>	0.16" diameter x 0.70" length
<b>Weight</b>	0.1 lbs.

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