

## NAMEPLATE DATA ENTRY

ELWOOD dNameplate\_H-4030-M-H\_Doc

February 14, 2017

Axis Properties -

Categories:

- General
- Motor**
  - Model
- Motor Feedback
- Scaling
- Hookup Tests
- Polarity
- Autotune
- Load
  - Backlash
  - Compliance
- Position Loop
- Velocity Loop
- Torque/Current Loop
- Planner
- Homing
- Actions
- Drive Parameters
- Parameter List
- Status
- Faults & Alarms
- Tag

**Motor Device Specification**

Data Source: Nameplate Datasheet Parameters...

Catalog Number: <none> Change Catalog...

Motor Type: Rotary Permanent Magnet

Units: Rev

**Nameplate / Datasheet - Phase to Phase parameters**

Rated Power:	1.1	kW	Pole Count:	6
Rated Voltage:	230	Volts (RMS)		
Rated Speed:	4000	RPM	Max Speed:	4000 RPM
Rated Current:	12.0	Amps (RMS)	Peak Current:	36.0 Amps (RMS)
Rated Torque:	3.4	N-m	Motor Overload Limit:	100.0 % Rated

Manual Tune...

OK Cancel Apply Help

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**Motor Model Phase to Phase Parameters**

Torque Constant (Kt):	0.4	N-m/Amps(RMS)
Voltage Constant (Ke):	21.2	Volts(RMS)/KRPM
Resistance (Rs):	0.50	Ohms
Inductance (Ls):	0.0019	Henries

**Flux Saturation Profile**

Flux Saturation @ 12.5%:	100.0	% Nominal Inductance
Flux Saturation @ 25.0%:	100.0	% Nominal Inductance
Flux Saturation @ 37.5%:	100.0	% Nominal Inductance
Flux Saturation @ 50.0%:	100.0	% Nominal Inductance
Flux Saturation @ 62.5%:	100.0	% Nominal Inductance
Flux Saturation @ 75.0%:	100.0	% Nominal Inductance
Flux Saturation @ 87.5%:	100.0	% Nominal Inductance
Flux Saturation @ 100%:	100.0	% Nominal Inductance

Manual Tune...

OK Cancel Apply Help

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The screenshot shows the 'Axis Properties' dialog box with the 'Motor Feedback Device Specification' tab selected. The left sidebar lists various categories, with 'Motor Feedback' highlighted. The main area contains fields for device function, feedback channel, type, units, and digital AqB with UVW parameters. The 'Commutation' section is also visible at the bottom.

**Axis Properties**

Categories:

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**Motor Feedback Device Specification**

Device Function: Motor Mounted Feedback Parameters...

Feedback Channel: Feedback 1

Type: Digital AqB with UVW

Units: Rev

**Digital AqB with UVW**

Cycle Resolution:	2000	Feedback Cycles/Rev
Cycle Interpolation:	4	Feedback Counts per Cycle
Effective Resolution:	8000	Feedback Counts per Rev
Startup Method:	Incremental	

**Commutation**

Offset: 0.0 Degrees

Manual Tune... OK Cancel Apply Help