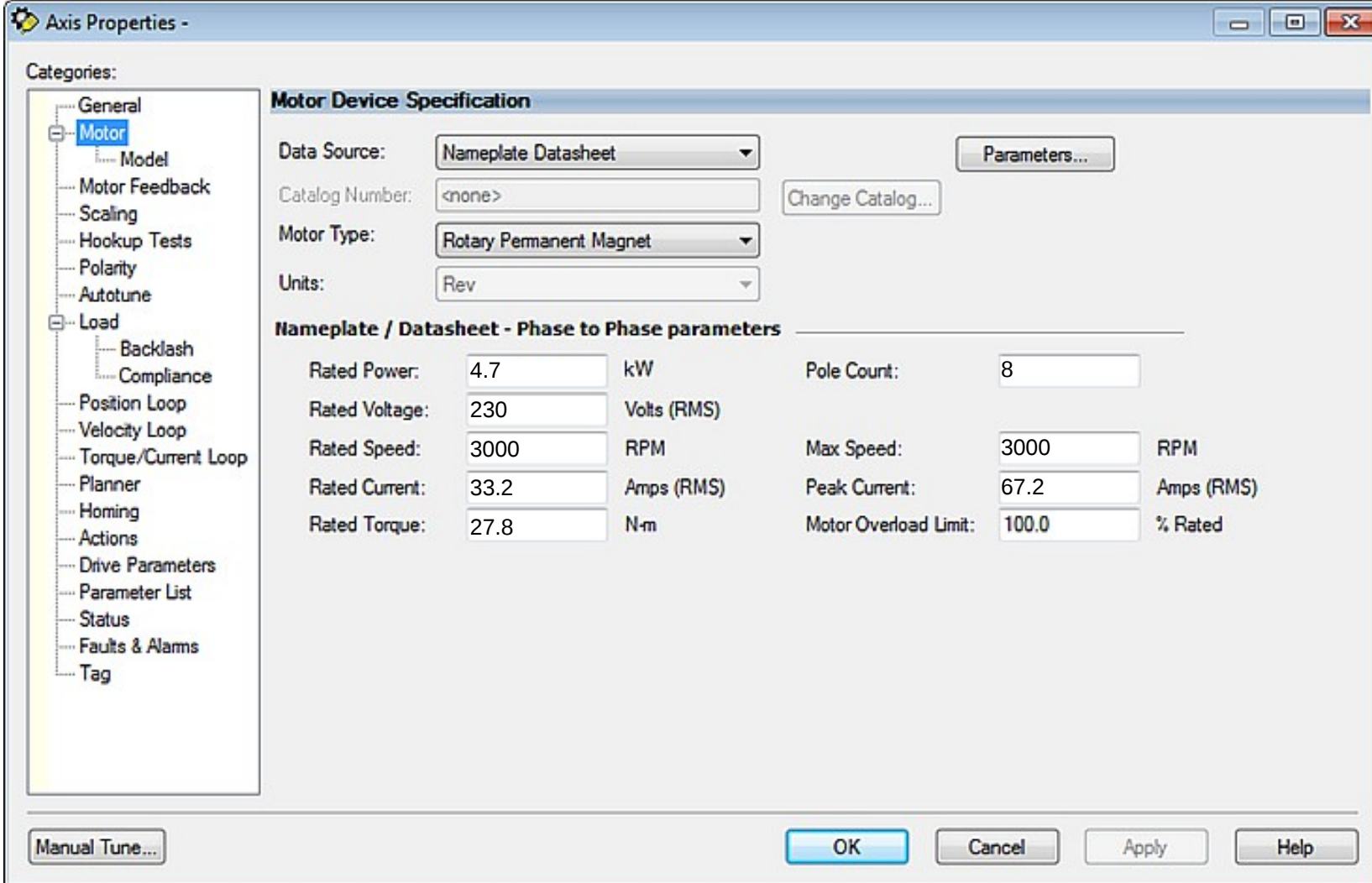


## NAMEPLATE DATA ENTRY

ELWOOD dNameplate\_F-6300-R-Q-H\_Doc

December 16, 2016



The image shows a software window titled "Axis Properties -". On the left is a "Categories:" tree with the following items: General, Motor (selected), 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, and Tag. The main area is titled "Motor Device Specification" and contains the following fields:

- Data Source: Nameplate Datasheet (dropdown menu)
- Catalog Number: <none> (text field)
- Motor Type: Rotary Permanent Magnet (dropdown menu)
- Units: Rev (dropdown menu)
- Buttons: Parameters..., Change Catalog...

Below these is a section titled "Nameplate / Datasheet - Phase to Phase parameters" with the following fields:

Parameter	Value	Unit
Rated Power:	4.7	kW
Rated Voltage:	230	Volts (RMS)
Rated Speed:	3000	RPM
Rated Current:	33.2	Amps (RMS)
Rated Torque:	27.8	N-m
Pole Count:	8	
Max Speed:	3000	RPM
Peak Current:	67.2	Amps (RMS)
Motor Overload Limit:	100.0	% Rated

At the bottom of the window are buttons for "Manual Tune...", "OK", "Cancel", "Apply", and "Help".

## NAMEPLATE DATA ENTRY

ELWOOD dNameplate\_F-6300-R-Q-H\_Doc

December 16, 2016

**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 Model Phase to Phase Parameters**

Torque Constant (Kt):	1.0	N-m/Amps(RMS)
Voltage Constant (Ke):	62.9	Volts(RMS)/KRPM
Resistance (Rs):	0.16	Ohms
Inductance (Ls):	0.0011	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

## NAMEPLATE DATA ENTRY

ELWOOD dNameplate\_F-6300-R-Q-H\_Doc

December 16, 2016

The screenshot shows the 'Axis Properties' dialog box with the 'Motor Feedback Device Specification' tab selected. The left sidebar contains a tree view of categories: General, Motor, Model, Motor Feedback (selected), 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, and Tag. The main area displays the following settings:

Motor Feedback Device Specification		
Device Function:	Motor Mounted Feedback	
Feedback Channel:	Feedback 1	
Type:	Digital AqB with UVW	
Units:	Rev	
<b>Digital AqB with UVW</b>		
Cycle Resolution:	2000	Feedback Cycles/Rev
Cycle Interpolation:	4	Feedback Counts per Cycle
Effective Resolution:	8000	Feedback Counts per Rev
Startup Method:	Incremental	
<b>Commutation</b>		
Offset:	0.0	Degrees

Buttons at the bottom: Manual Tune..., OK, Cancel, Apply, Help.