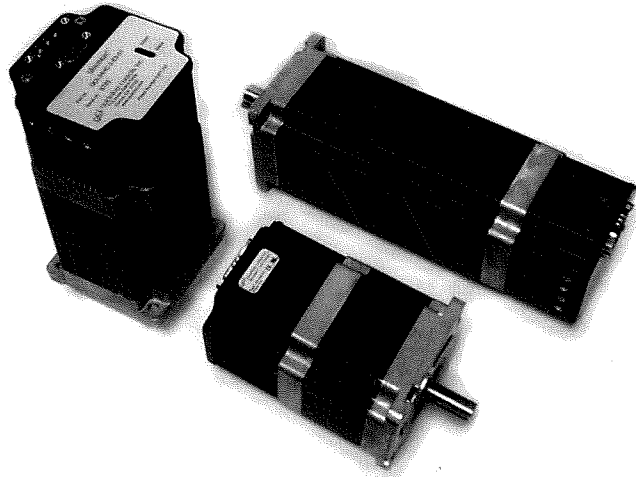


SilverMax NEMA 34

SilverMax NEMA 34 Frame Motor

SilverMax motors are offered in a variety of power ratings signified by a letter following the frame size: N, H, or HC. The 34N type is the least expensive, lowest power motor offered. The 34H is the most popular 34 offered for high-torque applications less than 2000 RPM.

At 3/4 horsepower, the 34HC (high current) is our most powerful SilverMax.



NOTE: A Clamp Module (QCI-CLCF or QCI-CLOF) is recommended for use in most 34N and 34H applications and is required for all 34HC applications.

SilverMax 34 Frame Integrated Servomotors			
SilverMax Type	Motor Size	Series	Options
<ul style="list-style-type: none"> • 34N - Standard • 34H - High Power 	<ul style="list-style-type: none"> • 1 	<p>E - Series includes the following</p> <ul style="list-style-type: none"> • 7 inputs or outputs (lines 4-7 can be setup as analog inputs, 0 to +5 VDC) • Selectable RS-232 or RS-485 • 8 bit ASCII or 9 bit binary protocols • 8K byte internal nonvolatile memory • 400 byte program execution buffer • 4000 Count Encoder <p>E1 - Series</p> <ul style="list-style-type: none"> • 32K byte internal nonvolatile memory 	<p>01 - Standard</p> <ul style="list-style-type: none"> • DB15 High Density Connector • D3P Power Connector <p>65 - IP65 (34H only)</p> <ul style="list-style-type: none"> • IP65 cable and shaft seal required for IP65 rating • Shaft Seal Included
<ul style="list-style-type: none"> • 34HC - High Current 	<ul style="list-style-type: none"> • 1 • 2 • 3 • 4 	<p>E3 - Series</p> <ul style="list-style-type: none"> • 16,000 Encoder • 32K byte internal nonvolatile memory 	<p>01 - Standard</p> <ul style="list-style-type: none"> • DB15 High Density Connector • D3P Power Connector <p>6T - IP65</p> <ul style="list-style-type: none"> • IP65 cable and shaft seal required for IP65 rating • Shaft Seal Included
<p>To create a part number, choose one from each column above.</p> <p>For example: 34-High Power SilverMax Type, Motor Size 1, "E" Series Interface and "01" Option.</p>			
34	H	E	01
<p>This selection creates the part number: QCI-34H-1-E-01</p>			

Quicksilver Controls, Inc.

SilverMax QCI-34

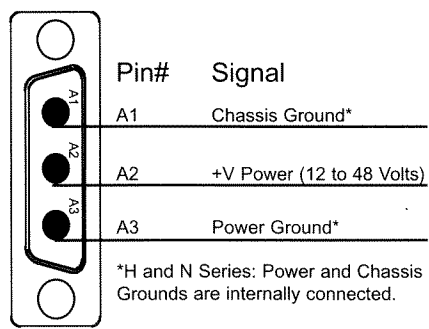
Motor Specifications	QCI-34N-1	QCI-34H-1	QCI-34HC-1	QCI-34HC-2	QCI-34HC-3	QCI-34HC-4
Maximum Speed (RPM)	2000	2000	3000	2500	2000	1500
Optimal Speed (RPM)	800	800	1600	1600	1000	800
Torque at Optimal Speed (oz-in)	275	390	350	390	770	990
Continuous Stall Torque (oz-in)	460	500	675	1300	1950	2550
Peak Power (Mech. Watts)	170	260	440	565	580	515
Rotor Inertia (oz-in ²)	7.8	7.8	7.8	14.7	21.9	29.0
Weight (pounds)	5.73	5.73	5.7	9.1	12.6	15.8
Length (inches)	5.13	5.13	5.13	6.65	8.13	9.68
Shaft Diameter	.500	.500	.500	.500	.625	.625
Maximum Current (amps)	6.0	8.0	13.5	16.5	16	14.5

All specifications are at 48 Volt operation

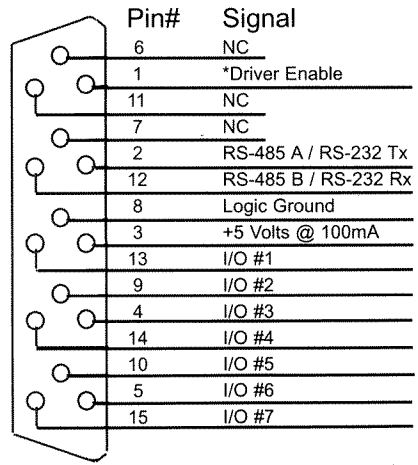
SilverMax 34N/34H Connectors

DB-3 Power Connector

Supplies power only to drive components



DB-15 Connector



*Driver Enable is connected to the +V power supply to enable the motor driver circuitry. 10 - 48V required to enable driver.

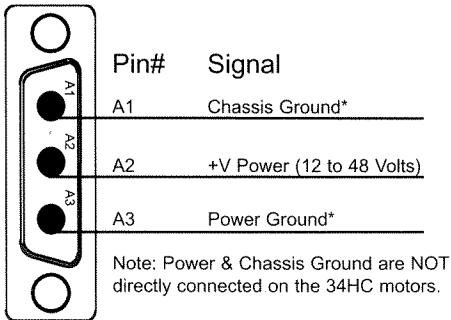
I/O lines 1, 2, and 3 have an internal 4.7k ohm resistor connected to the internal +5 volt power supply.

SilverMax QCI-34

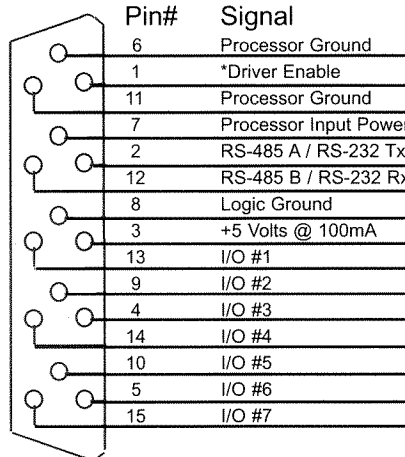
SilverMax 34HC Connectors

DB-3 Power Connector

Supplies power only to drive components



DB-15 Connector

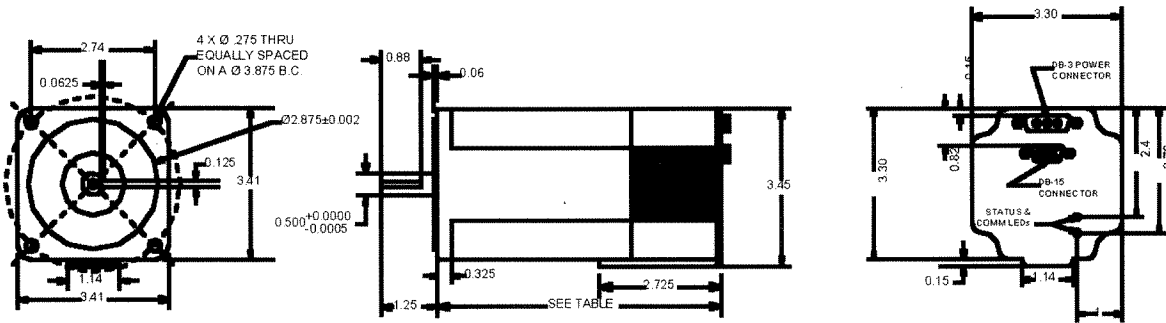


*Driver Enable connects to a +10 to =48 VDC supply to enable the motor driver circuit.

Processor Input Power (pin 7) and Processor Grounds (pins 6 and 11) must connect respectively to the V+ and the ground terminals of a +10 to +48 VDC supply.

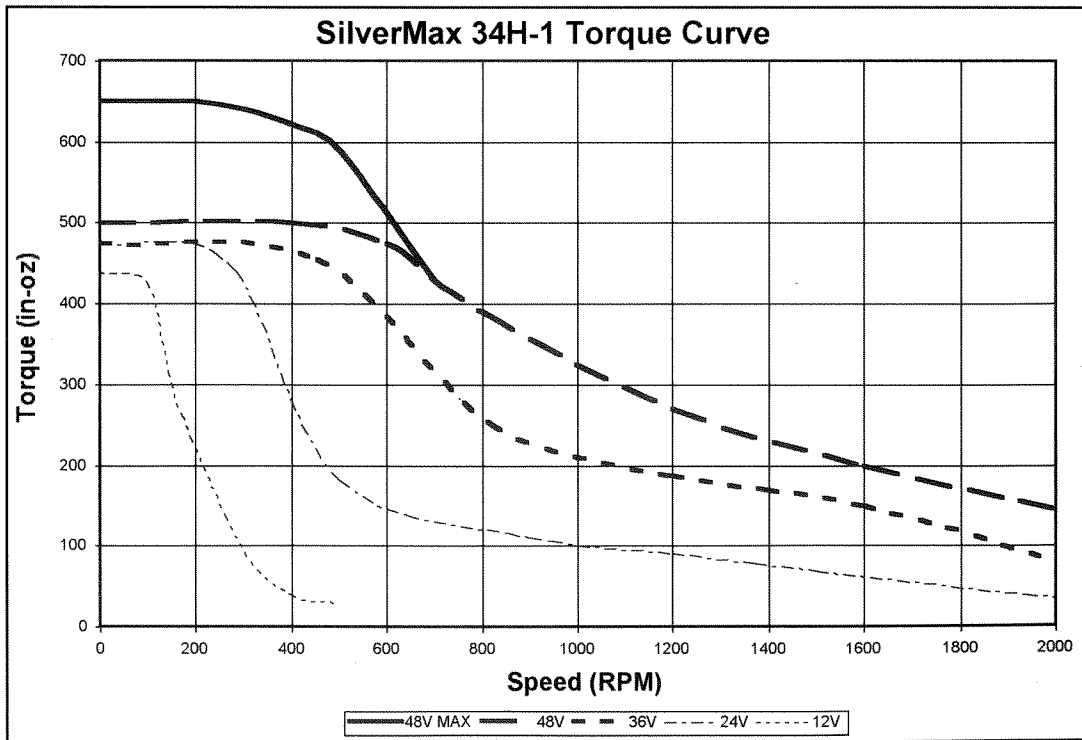
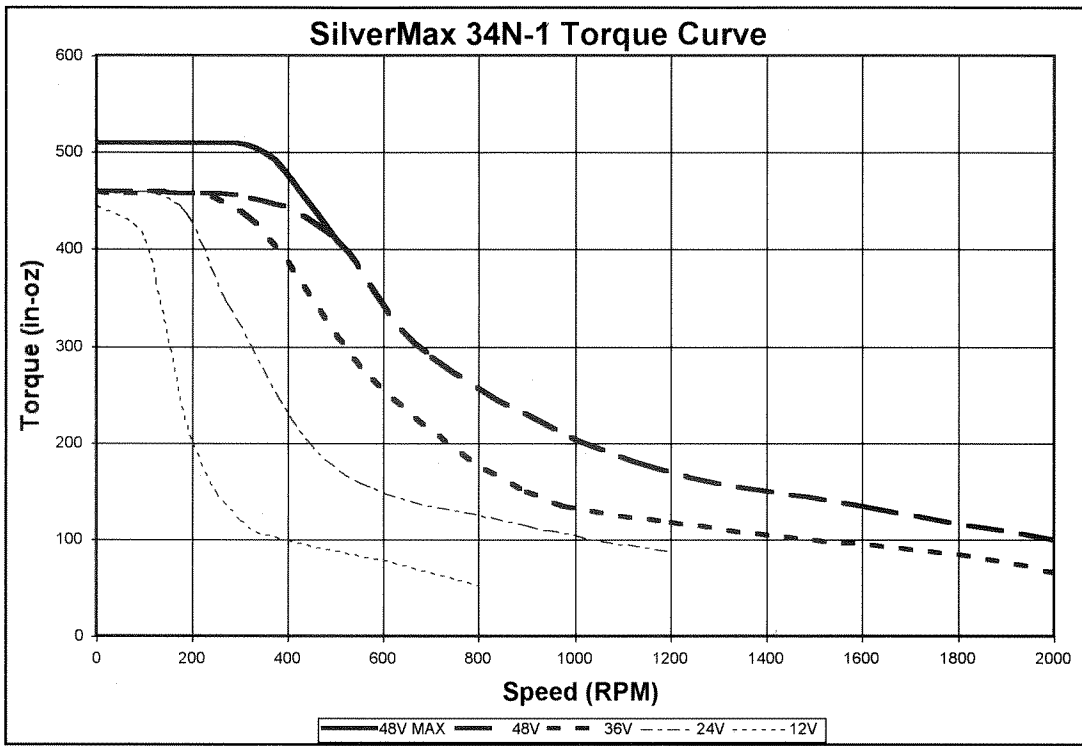
I/O lines 1, 2, and 3 have an internal 4.7k ohm pull-up resistor connected to the internal +5 VDC 100mA power supply.

SilverMax QCI-34 Mechanical Dimensions



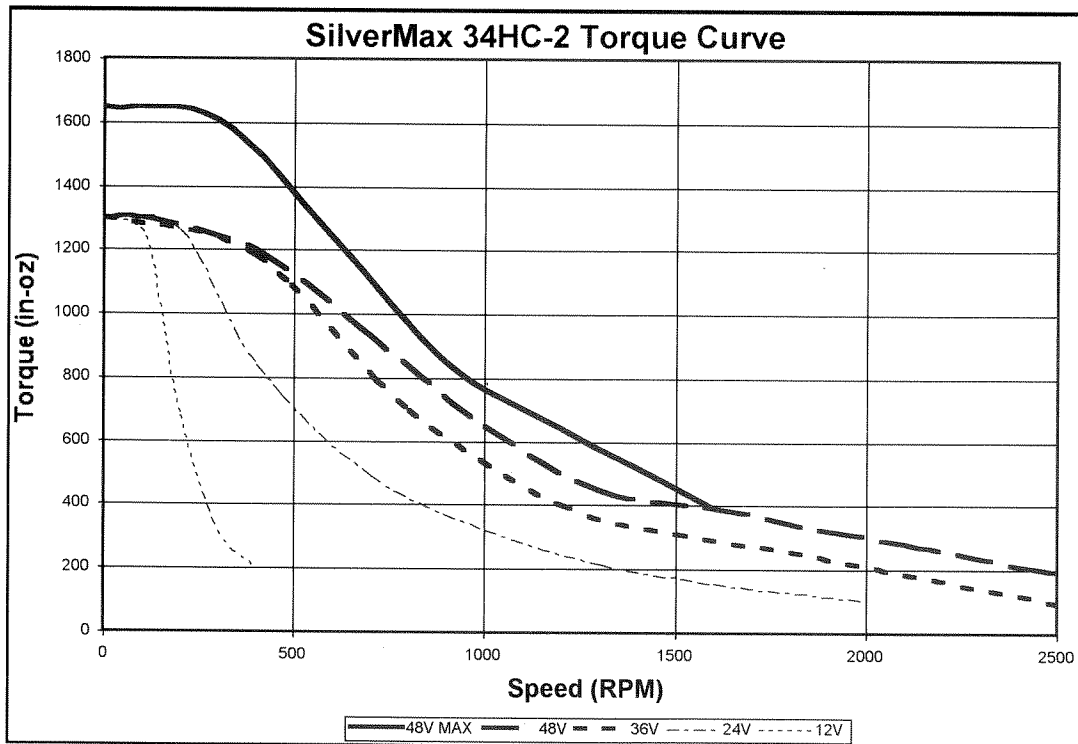
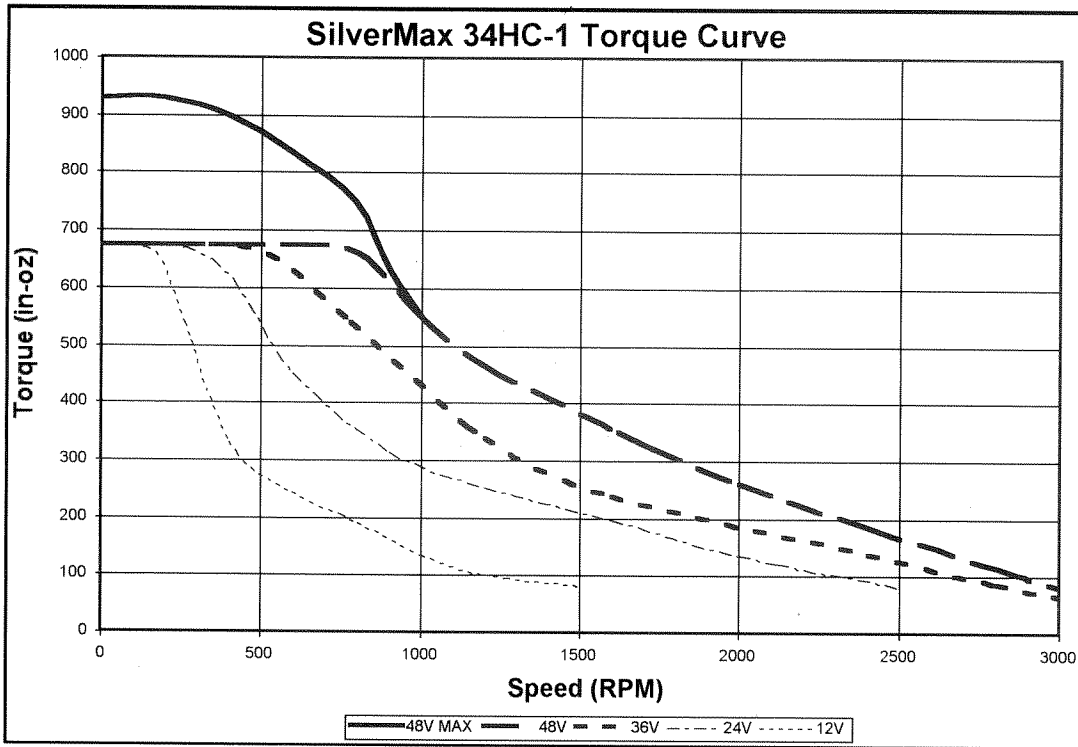
QuickSilver Controls, Inc.

SilverMax QCI-34



Note: Please see website for 34H-2, 34H-3, and 34H-4 torque curves.
 For detailed specifications see www.qcontrol.com

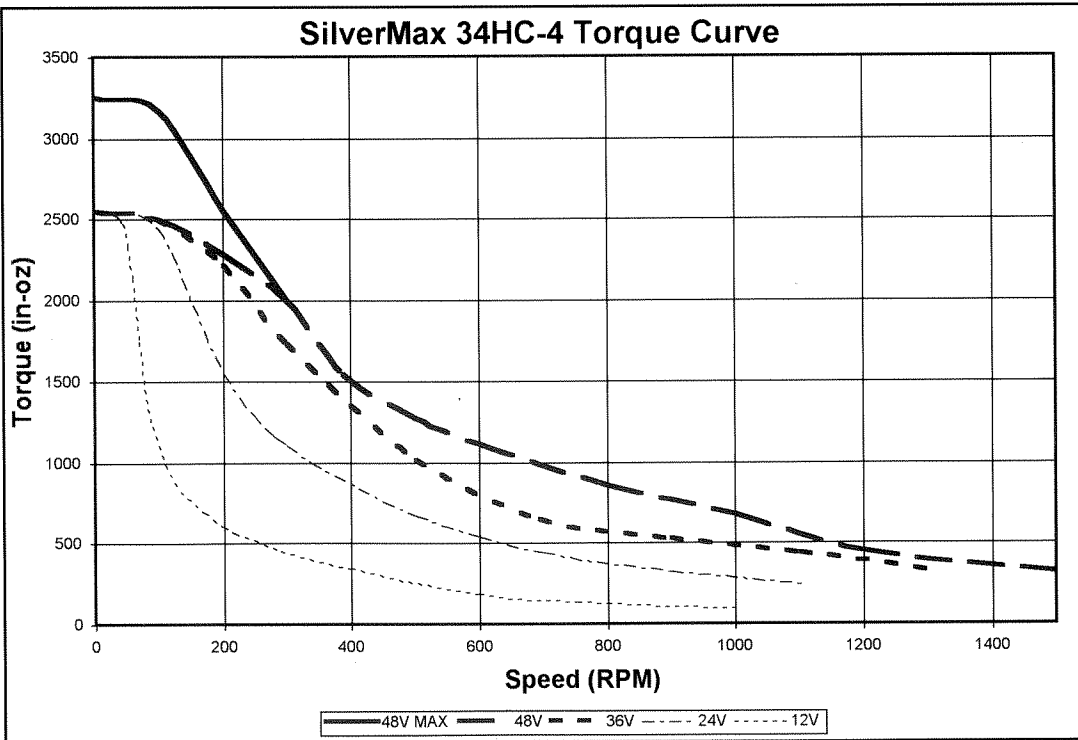
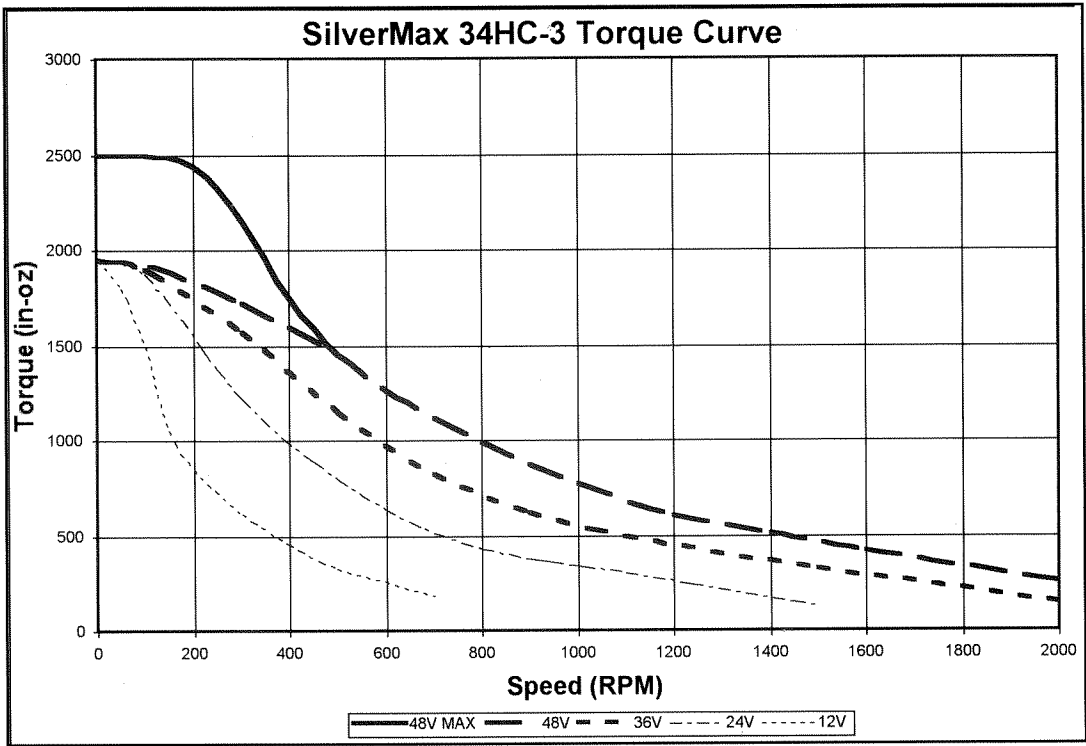
SilverMax QCI-34



Note: Please see website for 34H-2, 34H-3, and 34H-4 torque curves.

For detailed specifications see www.qcontrol.com

SilverMax QCI-34



Note: Please see website for 34H-2, 34H-3, and 34H-4 torque curves.

For detailed specifications see www.qcontrol.com