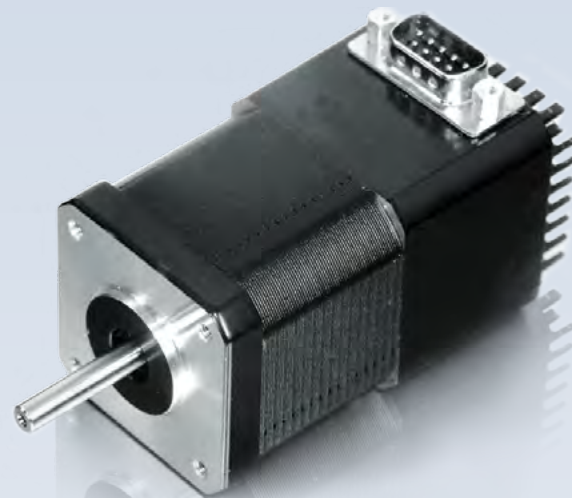




FEATURES

- NEMA 17, 1.8° Bipolar Step Motor
- Up to 83 oz-in of holding torque
- Input voltage of +12 to 40 VDC
- Phase current ranges from 0.3 to 2.0 Amps Peak
- Microstepping capabilities of Full, 2x, 4x, 8x, 16x, 32x, 64x, 128x, and 256x
- 2 user configurable digital I/O's
- 2 dedicated inputs:
 - » 1 optical sensor for homing
 - » switch closure to ground
- Fully programmable ramps and speeds
- Software selectable Hold and Move currents
- Stand Alone Operation with no connection to PC
- Stores up to 16 different programs at once with 4 kBytes of memory
- Lin Control GUI available
- 3 stack lengths available



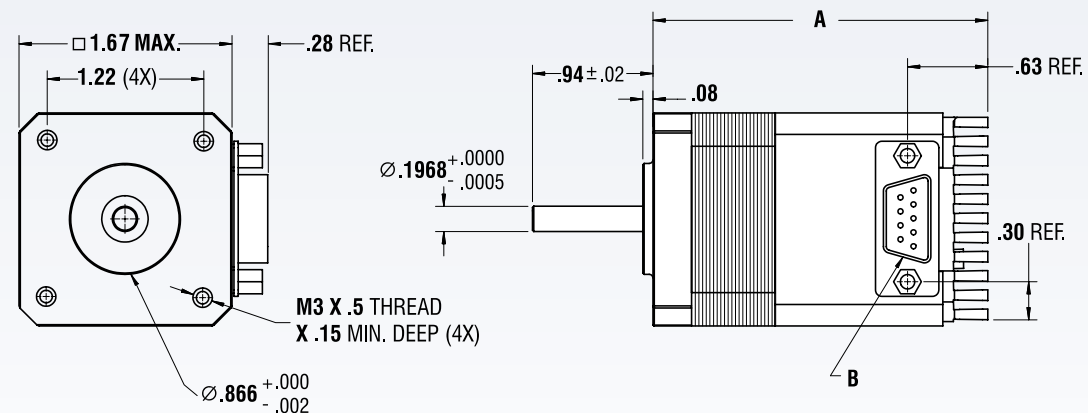
SPECIFICATIONS

- **INPUT VOLTAGE:** +12 to 40 VDC
- **DRIVE CURRENT (PER PHASE):** 0.3 to 2.0 Amps Peak
- **I/O's:** 2 user configurable digital
2 dedicated inputs:
 - 1 optical sensor for homing
 - 1 switch closure to ground
- **STEPS PER REVOLUTION (1.8° MOTOR):** 200, 400, 800, 1600, 3200, 6400, 12800, 25600, 51200
- **MICROSTEP RESOLUTIONS (1.8° MOTOR):** Full, 2x, 4x, 8x, 16x, 32x, 64x, 128x, 256x

DIMENSIONS

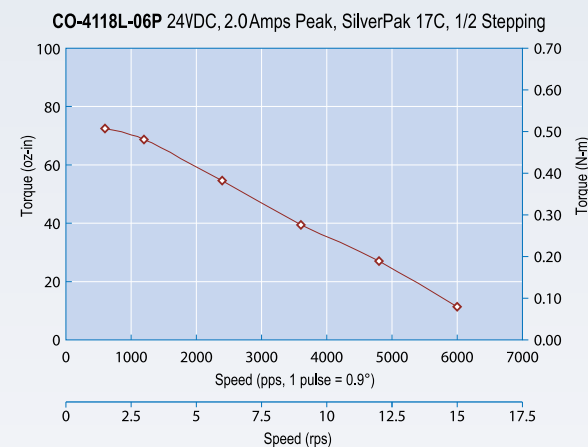
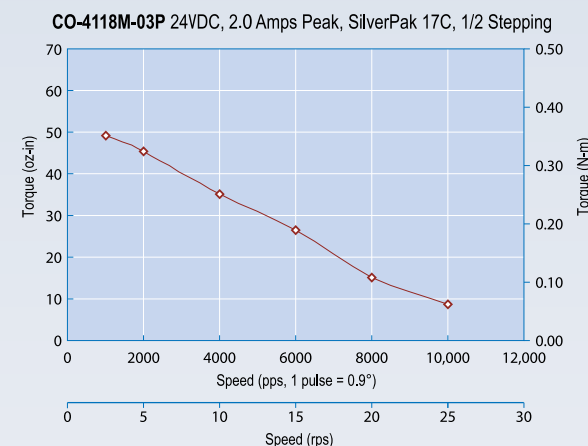
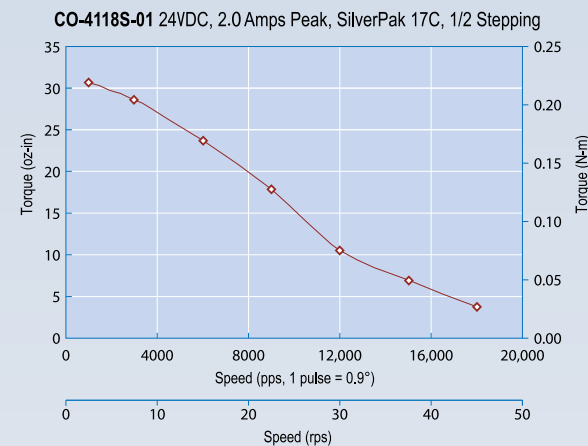
A. Overall Body Length
 CO-4118S: 2.69" (68.33 mm)
 CO-4118M: 2.92" (74.17 mm)
 CO-4118L: 3.24" (82.30 mm)

B. DB-9 Connector for Operation



Visit Lin Engineering's web site for dimension updates.

TORQUE CURVES



MOTOR SPECIFICATIONS

Model CO-4118S-01
Holding Torque oz-in (N-m) 45.0 (0.32)
Rotor Inertia oz-in² (kg-cm²) 0.18 (0.03)
Weight (Motor + Driver) lbs (kg) 0.55 (0.25)

Model CO-4118M-03P
Holding Torque oz-in (N-m) 63.0 (0.44)
Rotor Inertia oz-in² (kg-cm²) 0.28 (0.05)
Weight (Motor + Driver) lbs (kg) 0.75 (0.34)

Model CO-4118L-06P
Holding Torque oz-in (N-m) 83.0 (0.59)
Rotor Inertia oz-in² (kg-cm²) 0.37 (0.07)
Weight (Motor + Driver) lbs (kg) 0.85 (0.39)

OPTIONAL ENCODER

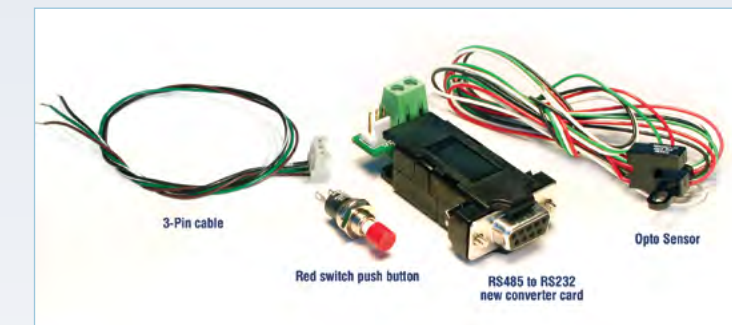
Optional encoder available with **SilverPak 17CE**

Encoder features:

- Max 1,250 cycles per revolution (CPR)
- Max 5,000 pulses per revolution (PPR) (quadrature)
- 2 channel quadrature TTL squarewave outputs
- Optional index (3rd channel)
- Position correction capabilities with user's external controller

DESIGNER'S KITS

RS485 Designer's Kit (Lin part number: RS232KIT)



USB485 Designer's Kit (Lin part number: USBKIT)

