

SILVERPAK 17C



■ FEATURES

- NEMA 17, 1.8° Bipolar Step Motor
- Up to 84.8 oz-in of holding torque
- Input voltage of +12 to 40 VDC
- Phase current ranges from 0.1 to of 2.0 Amps Peak
- Microstepping capabilities of 2x, 4x, 8x, 16x, 32x, 64x, 128x, and 256x
- RS485 communication with optional converter cards available
- 2 user configurable digital I/O's
 - o 1 optical sensor for homing
 - o 1 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

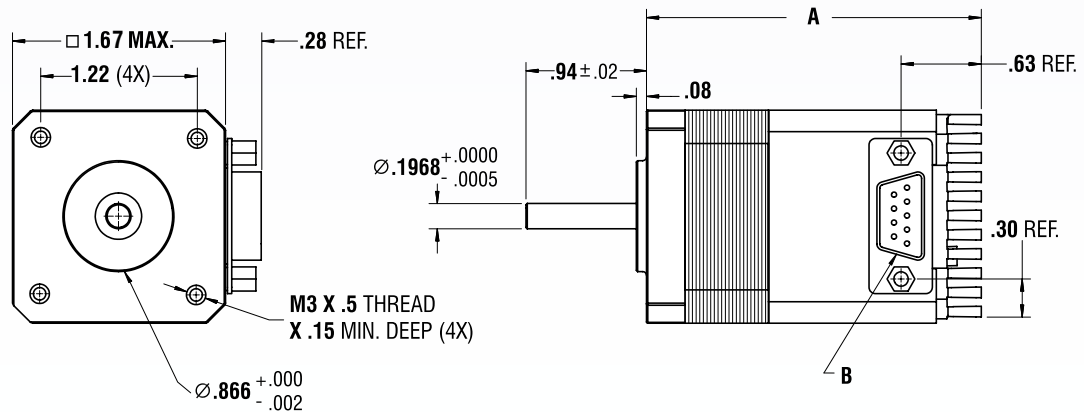
■ SPECIFICATIONS

- **INPUT VOLTAGE:**
+12 to 40 VDC
- **DRIVE CURRENT(PER PHASE):**
0.1 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
- **STEP FREQUENCY (MAX):**
2 MHz
- **STEPS PER REVOLUTION (1.8 MOTOR):**
400, 800, 1600, 3200, 6400, 12800, 25600, 51200
- **MICROSTEP RESOLUTIONS (1.8° MOTOR):**
2x, 4x, 8x, 16x, 32x, 64x, 128x, 256x

■ DIMENSIONS (inches)

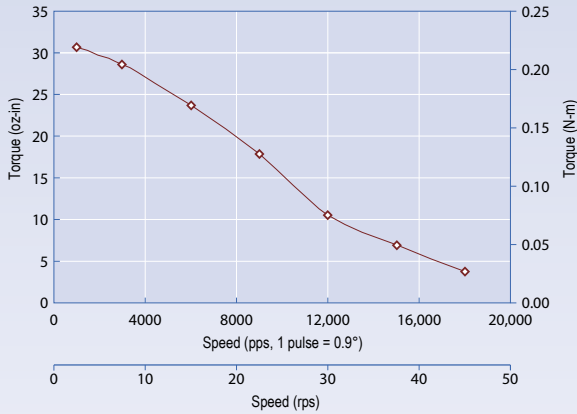
A. Overall Body Length
CO-4118S: 2.69" (6.83cm)
CO-4118M: 2.92" (7.42cm)
CO-4118L: 3.24" (8.23cm)

B. DB-9 Connector for Controls

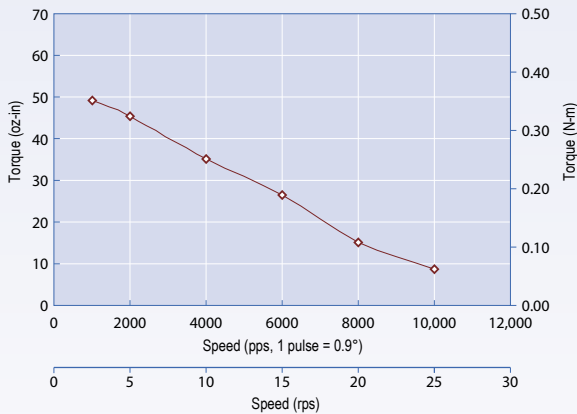


TORQUE CURVES

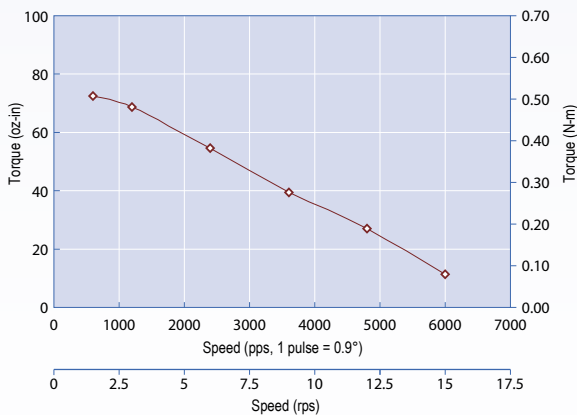
CO-4118S-01 24vDC, 2 Amps Peak, SilverPak 17C, 1/2 Stepping



CO-4118M-03P 24vDC, 2 Amps Peak, SilverPak 17C, 1/2 Stepping



CO-4118L-06P 24vDC, 2 Amps Peak, SilverPak 17C, 1/2 Stepping



MOTOR SPECIFICATIONS

Model CO-4118S-01

Holding Torque oz-in (N-m)	30.00 (0.21)
Rotor Inertia oz-in ² (kg-cm ²)	0.18 (0.03)
Weight (Motor + Driver) lbs (gm)	0.55 (0.25)

Model CO-4118M-03P

Holding Torque oz-in (N-m)	45.00 (0.32)
Rotor Inertia oz-in ² (kg-cm ²)	0.28 (0.05)
Weight (Motor + Driver) lbs (gm)	0.75 (0.34)

Model CO-4118L-06P

Holding Torque oz-in (N-m)	85.00 (0.60)
Rotor Inertia oz-in ² (kg-cm ²)	0.37 (0.07)
Weight (Motor + Driver) lbs (gm)	0.85 (0.39)

OPTIONAL ENCODER

Optional encoder available with **SilverPak 17CE**

Encoder features:

- Max 12,500 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

DESIGNERS KIT

- Optical Sensor
- RS232 to RS485 Converter Card
- Switch push button
- CD-ROM with User Manual
- DB-9 Female Connector Cable

