

FEATURES

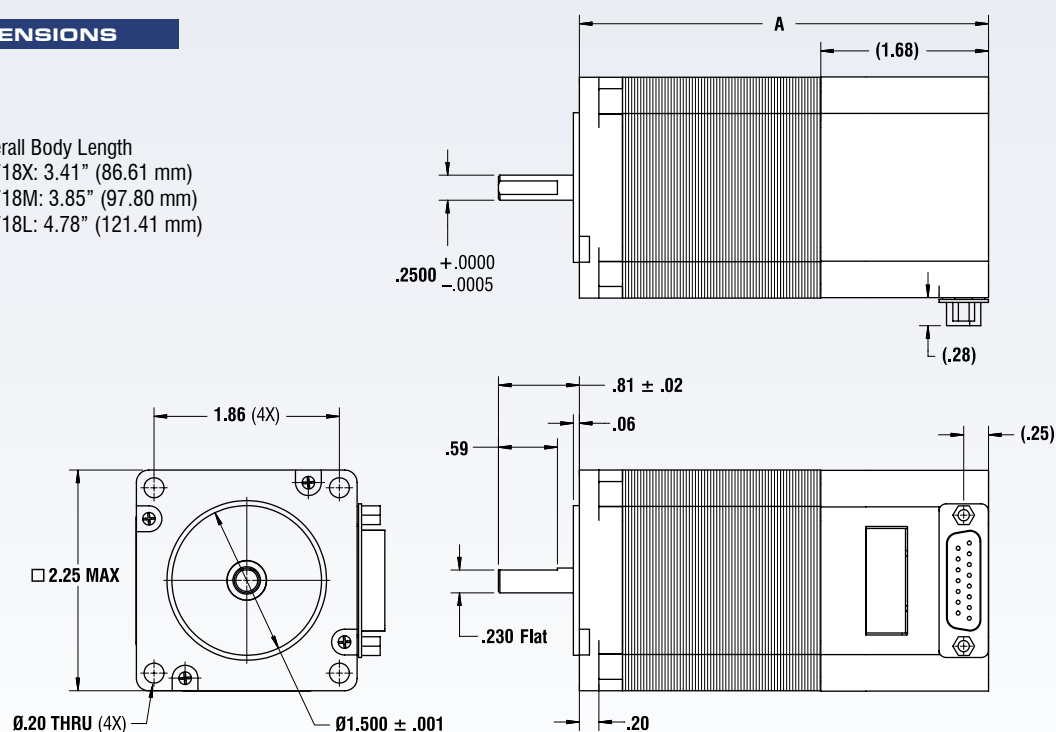
- NEMA 23, 1.8° Bipolar Step Motor
- Up to 294 oz-in of holding torque
- Input voltage of +12 to 40 VDC
- Phase current ranges from 0.3 to 3.0 Amps Peak
- Microstepping capabilities of Full, 2x, 4x, 8x, 16x, 32x, 64x, 128x, 256x
- RS485 communication with optional converter cards available
- 4 user configurable digital I/O's
- 2 dedicated inputs:
 - 1 optical sensor for homing
 - 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
- 3 stack lengths available

SPECIFICATIONS

- **INPUT VOLTAGE:**
+12 to 40 VDC
- **DRIVE CURRENT(PER PHASE):**
0.3 to 3.0 Amps Peak
- **ISOLATED INPUTS:**
4 I/O's, Switch Closure to Ground, Opto Phototransistor
- **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

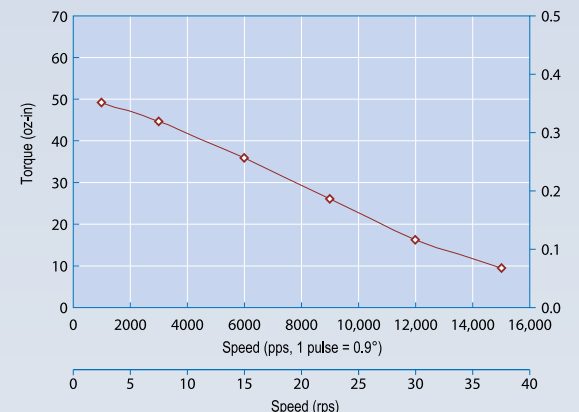
A. Overall Body Length
 CO-5718X: 3.41" (86.61 mm)
 CO-5718M: 3.85" (97.80 mm)
 CO-5718L: 4.78" (121.41 mm)



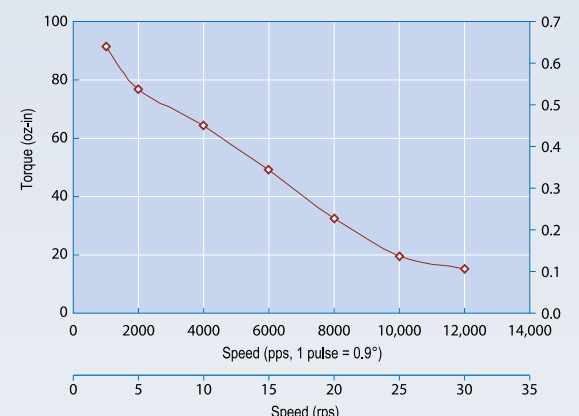
Visit Lin Engineering's web site for dimension updates.

TORQUE CURVES

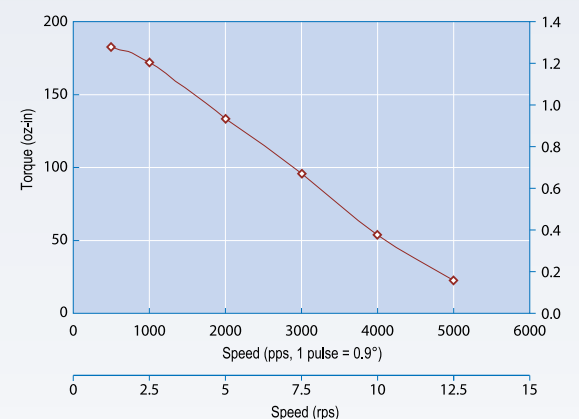
CO-5718X-01P 24VDC, 3.0 Amps Peak, SilverPak 23C, 1/2 Stepping



CO-5718M-02P 24VDC, 3.0 Amps Peak, SilverPak 23C, 1/2 Stepping



CO-5718L-01P 24VDC, 3.0 Amps Peak, SilverPak 23C, 1/2 Stepping



MOTOR SPECIFICATIONS

Model CO-5718X-01P
Holding Torque oz-in (N-m) 100.0 (0.71)
Rotor Inertia oz-in² (kg-cm²) 0.7 (0.13)
Weight (Motor + Driver) lbs (kg) 1.3 (0.59)

Model CO-5718M-02P
Holding Torque oz-in (N-m) 173.0 (1.22)
Rotor Inertia oz-in² (kg-cm²) 1.5 (0.27)
Weight (Motor + Driver) lbs (kg) 1.8 (0.82)

Model CO-5718L-01P
Holding Torque oz-in (N-m) 294.0 (2.08)
Rotor Inertia oz-in² (kg-cm²) 2.6 (0.47)
Weight (Motor + Driver) lbs (kg) 2.5 (1.13)

OPTIONAL ENCODER

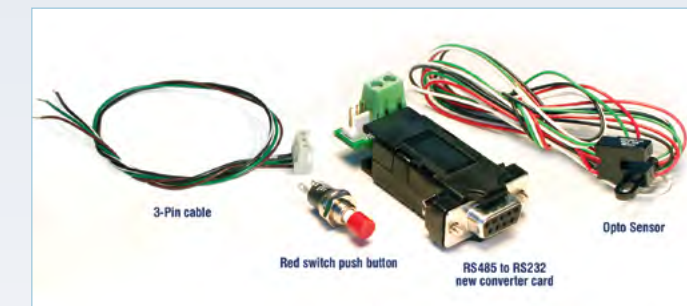
Optional encoder available with SilverPak 23CE

Encoder features:

- Max 1,250 cycles per revolution (CPR)
- Max 5,000 pulses per revolution (PPR) (quadrature)
- 2 channel quadrature TTL squarewave outputs
- Index (3rd channel)
- Position correction capabilities

DESIGNER'S KITS

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



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

