

FEATURES

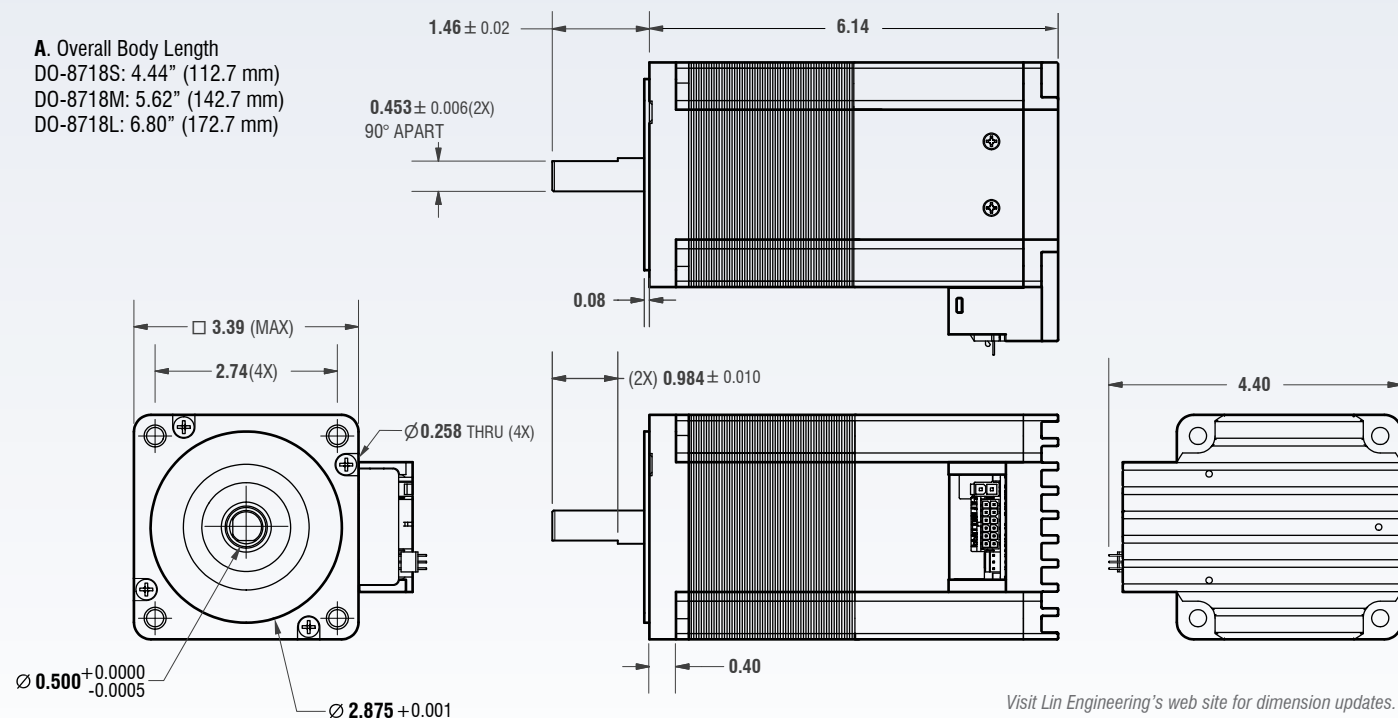
- NEMA Size 34, 2 Phase, 1.8° Bipolar Step Motor w/ Built-In Microstepping Driver
- Operates from +24 to 75 VDC
- Selectable phase currents from 0.5 to 7.0 Amps Peak (in 0.1A increments)
- Step Resolutions include: Full, 2x, 4x, 8x, 16x, 32x, 64x, 128x, and 256x microstepping
- Four selectable damping modes
- Three optically isolated control inputs (step, direction change, enable/disable)
- Hold current settings from 0 to 7 Amps (in 0.1 Amp increments)
- Pole Damping Technology™ for smooth motion (see page 8)
- Multiple motor windings available upon request
- Easy to use GUI interface for setting parameters

SPECIFICATIONS

- **INPUT VOLTAGE:**
+24 to 75 VDC
- **DRIVE CURRENT(PER PHASE):**
0.5 to 7.0 Amps Peak with 0.1 Amp increments
- **ISOLATED INPUTS:**
Step, Direction, and Disable
- **STEP FREQUENCY (MAX):**
5.0 MHz
- **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

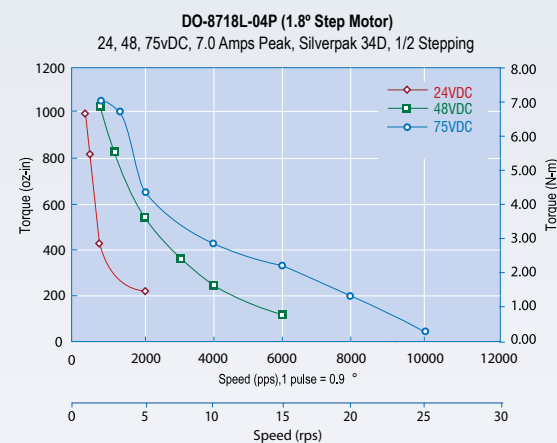
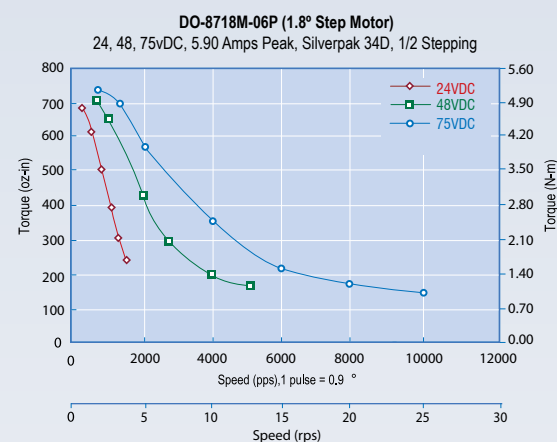
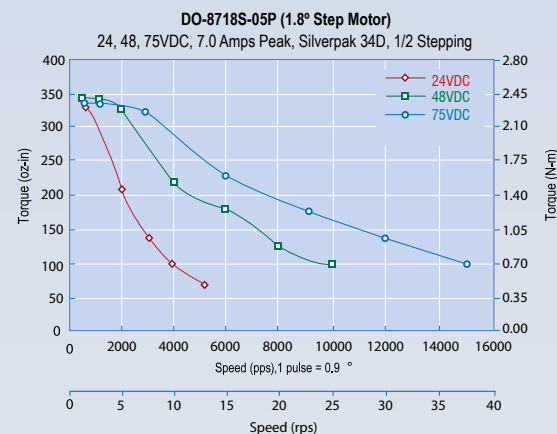
DIMENSIONS

- A. Overall Body Length**
 DO-8718S: 4.44" (112.7 mm)
 DO-8718M: 5.62" (142.7 mm)
 DO-8718L: 6.80" (172.7 mm)



Visit Lin Engineering's web site for dimension updates.

TORQUE CURVES



MOTOR SPECIFICATIONS

Model DO-8718S-05P

Holding Torque oz-in (N-m)	434.0 (3.06)
Rotor Inertia oz-in ² (kg-cm ²)	7.66 (1.39)
Weight (Motor + Driver) lbs (kg)	4.75 (2.15)

Model DO-8718M-06P

Holding Torque oz-in (N-m)	861.0 (6.08)
Rotor Inertia oz-in ² (kg-cm ²)	14.8 (2.69)
Weight (Motor + Driver) lbs (kg)	6.85 (3.10)

Model DO-8718L-04P

Holding Torque oz-in (N-m)	1288.0 (9.10)
Rotor Inertia oz-in ² (kg-cm ²)	21.9 (3.98)
Weight (Motor + Driver) lbs (kg)	9.35 (4.24)

OPTIONAL ENCODER

Optional encoder available with SilverPak 34DE

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-03)



USB485 Designer's Kit (Lin part number: USBKIT-03)

