

4218



- NEMA Size 17 Mounting
- Low Inertia
- Ideal for High Speed Applications
- Custom Windings Available (No Additional Cost)

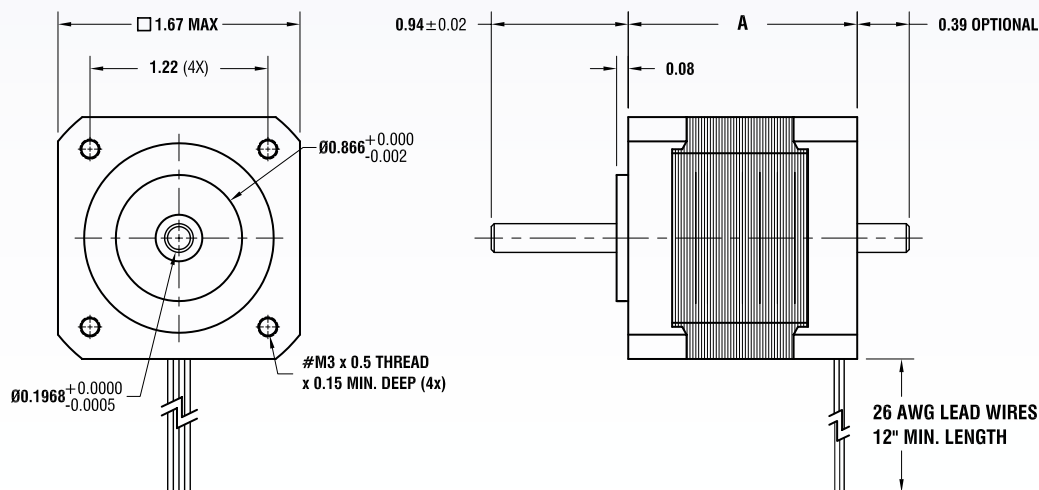
SPECIFICATIONS

| BIPOLAR | Dimension "A" Max | Model # | Amps/ Phase | Torque oz-in | Torque N-m | Resistance Ohm/Phase | Inductance mH/Phase | Inertia oz-in ² | Weight Lbs. | Number of Leads |
|------------------|----------------------|-----------|----------------|-----------------|---------------|-------------------------|------------------------|-------------------------------|----------------|--------------------|
| 1.31" 33.3 mm | | 4218S-02 | 1.30 | 35.0 | 0.25 | 2.2 | 2.6 | 0.18 | 0.40 | 4 |
| | | 4218S-04S | 0.67 | 35.0 | 0.25 | 8.0 | 11.2 | 0.18 | 0.40 | 4 |
| | | 4218S-04P | 1.33 | 35.0 | 0.25 | 2.0 | 1.9 | 0.18 | 0.40 | 4 |
| | | 4218S-09 | 0.90 | 35.0 | 0.25 | 3.5 | 4.4 | 0.18 | 0.40 | 4 |
| 1.55" 39.4 mm | | 4218M-01 | 1.70 | 62.0 | 0.44 | 1.5 | 2.3 | 0.28 | 0.60 | 4 |
| | | 4218M-06S | 0.70 | 62.0 | 0.44 | 10.0 | 16.3 | 0.28 | 0.60 | 4 |
| | | 4218M-06P | 1.40 | 62.0 | 0.44 | 2.5 | 4.1 | 0.28 | 0.60 | 4 |
| | | 4218M-54P | 4.20 | 62.0 | 0.44 | 0.3 | 0.4 | 0.28 | 0.60 | 4 |
| 1.86" 47.2 mm | | 4218L-01 | 2.00 | 75.0 | 0.53 | 1.2 | 2.6 | 0.37 | 0.70 | 4 |
| | | 4218L-07S | 1.10 | 75.0 | 0.53 | 4.4 | 9.2 | 0.37 | 0.70 | 4 |
| | | 4218L-07P | 2.20 | 75.0 | 0.53 | 1.1 | 2.3 | 0.37 | 0.70 | 4 |

| UNIPOLAR | Dimension "A" Max | Model # | Amps/ Phase | Torque oz-in | Torque N-m | Resistance Ohm/Phase | Inductance mH/Phase | Inertia oz-in ² | Weight Lbs. | Number of Leads |
|------------------|----------------------|----------|----------------|-----------------|---------------|-------------------------|------------------------|-------------------------------|----------------|--------------------|
| 1.31" 33.3 mm | | 4218S-04 | 0.95 | 27.0 | 0.19 | 4.0 | 1.9 | 0.18 | 0.40 | 6 |
| | | | | | | | | | | |
| 1.55" 39.4 mm | | 4218M-06 | 1.00 | 45.0 | 0.32 | 5.0 | 4.1 | 0.28 | 0.60 | 6 |
| | | 4218M-54 | 3.00 | 45.0 | 0.33 | 0.5 | 0.4 | 0.28 | 0.60 | 6 |
| 1.86" 47.2 mm | | 4218L-07 | 1.50 | 55.0 | 0.43 | 2.2 | 2.3 | 0.37 | 0.70 | 6 |
| | | 4218L-25 | 0.45 | 55.0 | 0.39 | 24.0 | 17.1 | 0.37 | 0.70 | 6 |

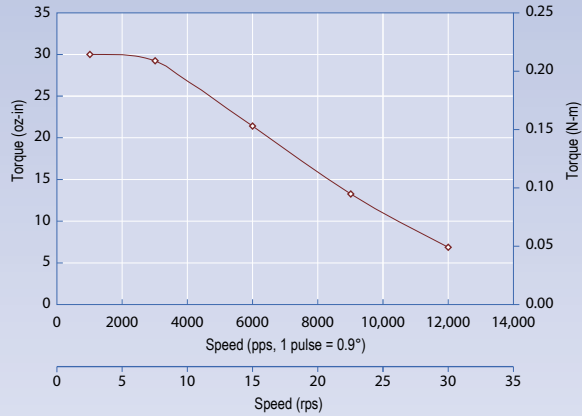
- Please complete our application data sheet for different windings.
- Power supply voltage can be any value as long as the driver output current is controlled at the rated current.
- Call Lin Engineering for additional bipolar torque curves.
- Performance, use, and appearance specifications of the products listed here are subject to change without notice.
- For operating temperatures, see page 94.

DIMENSIONS (inches)

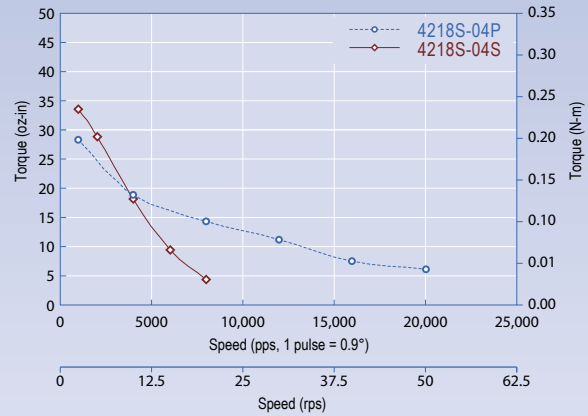


TORQUE CURVES

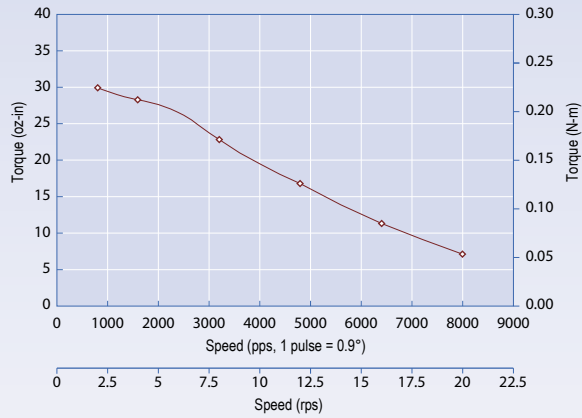
4218S-02 24vDC, 1.3 Amps/Phase, Bipolar, 1/2 Stepping



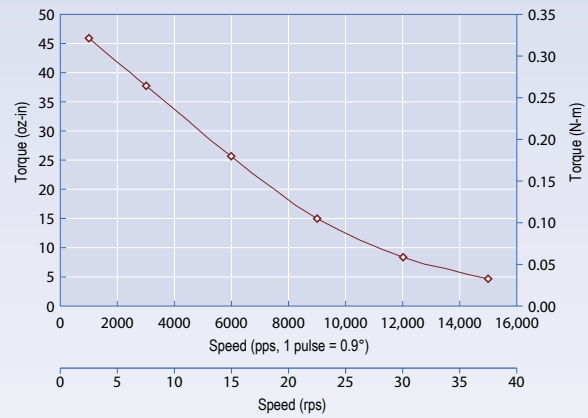
4218S-04S 24vDC, 0.67 Amps/Phase, Bipolar Series, 1/2 Stepping
4218S-04P 24vDC, 1.33 Amps/Phase, Bipolar Parallel, 1/2 Stepping



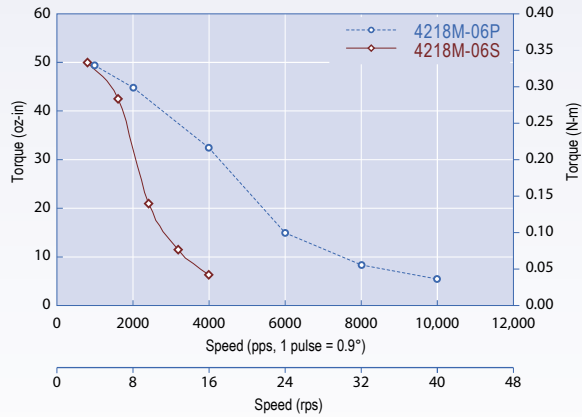
4218S-09 24vDC, 0.9 Amps/Phase, Bipolar, 1/2 Stepping



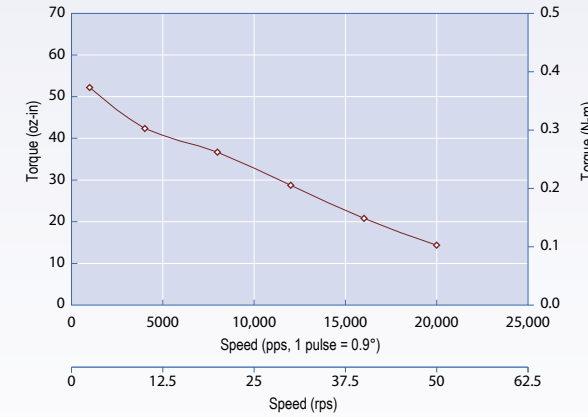
4218M-01 24vDC, 1.7 Amps/Phase, Bipolar, 1/2 Stepping



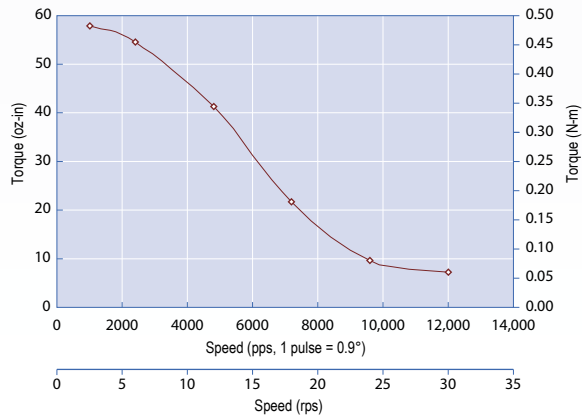
4218M-06S 24vDC, 0.7 Amps/Phase, Bipolar Series, 1/2 Stepping
4218M-06P 24vDC, 1.4 Amps/Phase, Bipolar Parallel, 1/2 Stepping



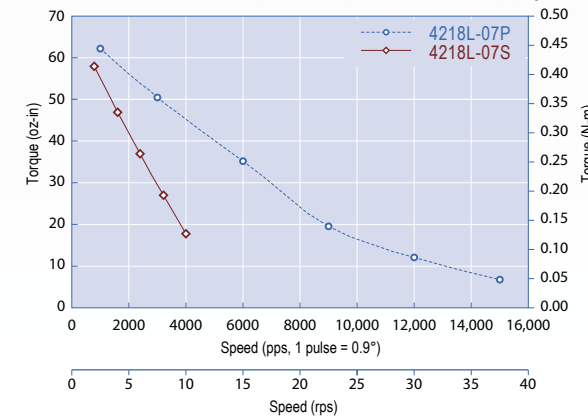
4218M-54P 24vDC, 4.2 Amps/Phase, Bipolar, 1/2 Stepping



4218L-01 24vDC, 2 Amps/Phase, Bipolar, 1/2 Stepping



4218L-07S 24vDC, 1.1 Amps/Phase, Bipolar Series, 1/2 Stepping
4218L-07P 24vDC, 2.2 Amps/Phase, Bipolar Parallel, 1/2 Stepping



1.8°
SIZE 17

INTEGRATED
MOTORS

CUSTOM
DESIGNS

ACCESSORIES

RMS
TECHNOLOGIES

TRINAMIC