

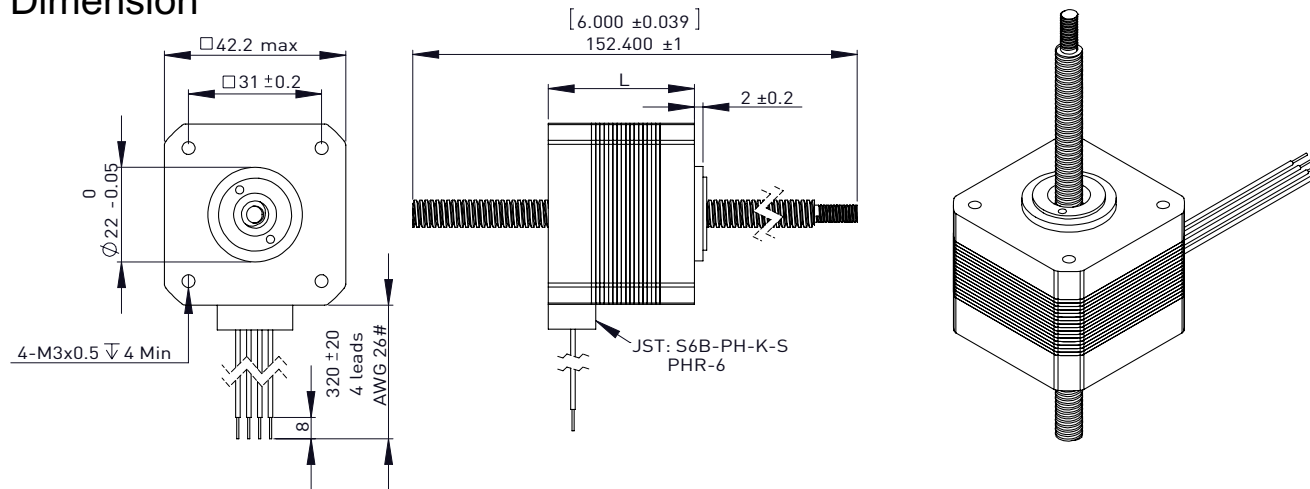
## Motor Characteristics

| Motor Type | Voltage (V) | Current (A) | Resistance ( ) | Inductance (mH) | Lead Wire No. | Motor Length (mm) |
|------------|-------------|-------------|----------------|-----------------|---------------|-------------------|
| EL42-2035  | 7.2         | 0.5         | 14.4           | 19.8            | 4             | 35                |
| EL42-2049  | 11.0        | 0.5         | 22.0           | 46.0            | 4             | 49                |

## Available Lead Screws and Travel per Step

| Screw Dia. (inch) | Screw Dia. (mm) | Lead (inch) | Lead (mm) | Travel Per Step @ 1.8 deg(mm) | Travel Per Step @ 0.9 deg(mm) |
|-------------------|-----------------|-------------|-----------|-------------------------------|-------------------------------|
| 0.25              | 6.35            | 0.024       | 0.6096    | 0.003                         | 0.0015                        |
| 0.25              | 6.35            | 0.048       | 1.2192    | 0.006                         | 0.003                         |
| 0.25              | 6.35            | 0.05        | 1.27      | 0.006                         | 0.0032                        |
| 0.375             | 9.525           | 0.025       | 0.635     | 0.003                         | 0.0016                        |
| 0.375             | 9.525           | 0.05        | 1.27      | 0.006                         | 0.0032                        |

## Dimension



Available travel per step from 0.003 mm to 0.127 mm

|   |           |          |       |
|---|-----------|----------|-------|
| Project No.:  | Part No.: | Material | REV   |
|   | EL42      |          | Scale |
| Description:  |           | Design:  |       |
| Hybrid Stepper Motor Linear Actuators                         |           | Approve: |       |
| <b>ELMEQ</b> <a href="http://www.elmeq.com">www.elmeq.com</a> |           |          |       |

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