

NA34C60-T4A Datasheet



- 16, 30, and 60 mm travel
- Threaded tip for multiple mounting options
- Available in several sizes for a variety of thrusts and speeds
- Designed for use with an X-MCC Series stepper motor controller or any 2-phase stepper motor controller
- With AutoDetect, the X-MCC controller configures its settings automatically for the connected peripheral
- Custom versions available

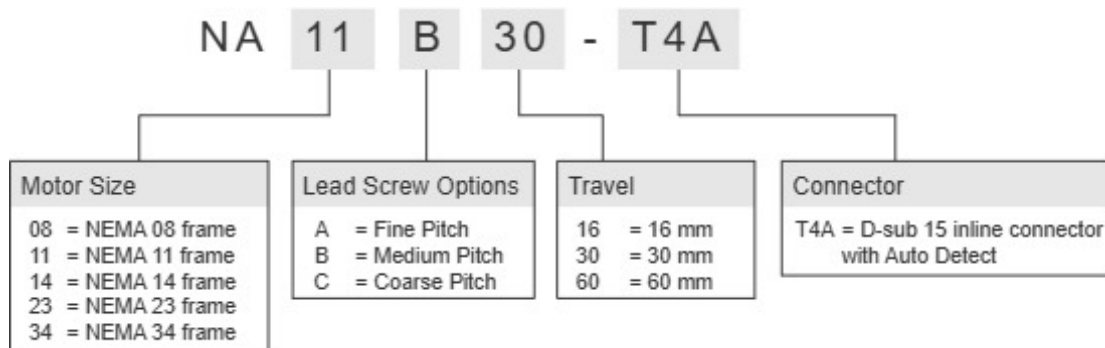
NA Series Overview

These electric linear actuators, based on standard NEMA stepper motors, come in a variety of sizes to fit many applications. Each electric linear actuator includes 30 cm of cable wired to a male DB15 connector for use with our X-MCC Series stepper motor controller. Set up is easy with AutoDetect. Once connected, the X-MCC controller will automatically detect and configure the NA. These linear actuators have a built-in magnetic home sensor.

Please note: An AMB140 bracket must be purchased separately to mount the NA11 actuators to our TSB translation stages.

For more information visit: <https://www.zaber.com/products/linear-actuators/NA>

NA Series Part Numbering & Options



NA34C60-T4A Drawings

- [NA-T4.png \(Drawing for the NA-T4\)](#)

NA34C60-T4A Specifications

| | |
|--|---|
| Microstep Size (Default Resolution) | 0.1984375 μm |
| Built-in Controller | No |
| Recommended Controller | MCC (48 V) Recommended |
| AutoDetect | Yes |
| Travel Range | 60 mm (2.362") |
| Accuracy (unidirectional) | 45 μm (0.001772") |
| Repeatability | < 10 μm (< 0.000394") |
| Backlash | < 65 μm (< 0.002559") |
| Maximum Speed | 55 mm/s (2.165"/s) |
| Minimum Speed | 0.000121 mm/s (0.000005"/s) |
| Speed Resolution | 0.000121 mm/s (0.000005"/s) |
| Encoder Type | No |
| Peak Thrust | 1300 N (291.5 lb) |
| Maximum Continuous Thrust | 1300 N (291.5 lb) |
| Motor Temperature Rise | 75 °C |
| Linear Motion Per Motor Rev | 2.54 mm (0.100") |
| Motor Steps Per Rev | 200 |
| Motor Type | Stepper (2 phase) |
| Motor Rated Current | 3120 mA/phase |
| Motor Winding Resistance | 1.6 ohms/phase |
| Inductance | 8.8 mH/phase |
| Motor Rated Power | 31.2 Watts |
| Motor Connection | D-sub 15 |
| Default Resolution | 1/64 of a step |
| Motor Frame Size | 34 |
| Mechanical Drive System | Precision lead screw |
| Limit or Home Sensing | Magnetic home sensor |
| Axes of Motion | 1 |
| Mounting Interface | 6.5 mm hole |
| CE Compliant | Yes |
| Vacuum Compatible | No |

Microstep Size (Default Resolution)

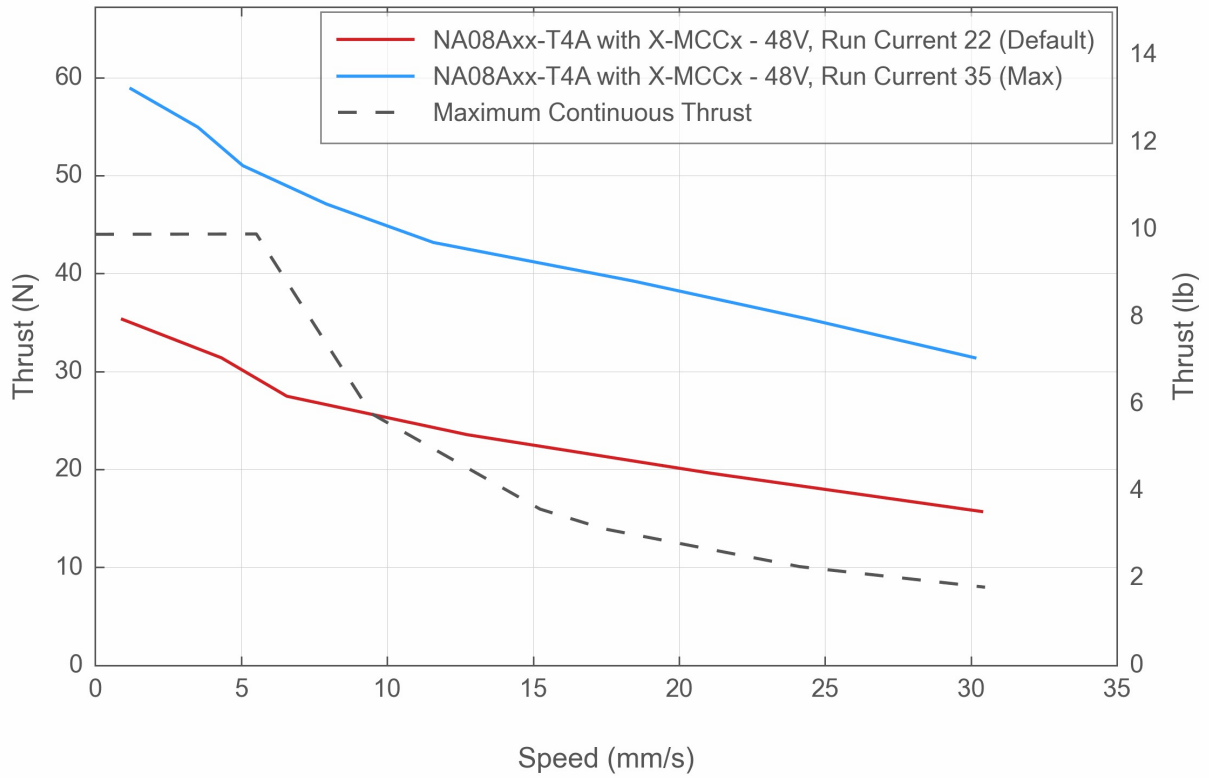
0.1984375 μm

Weight

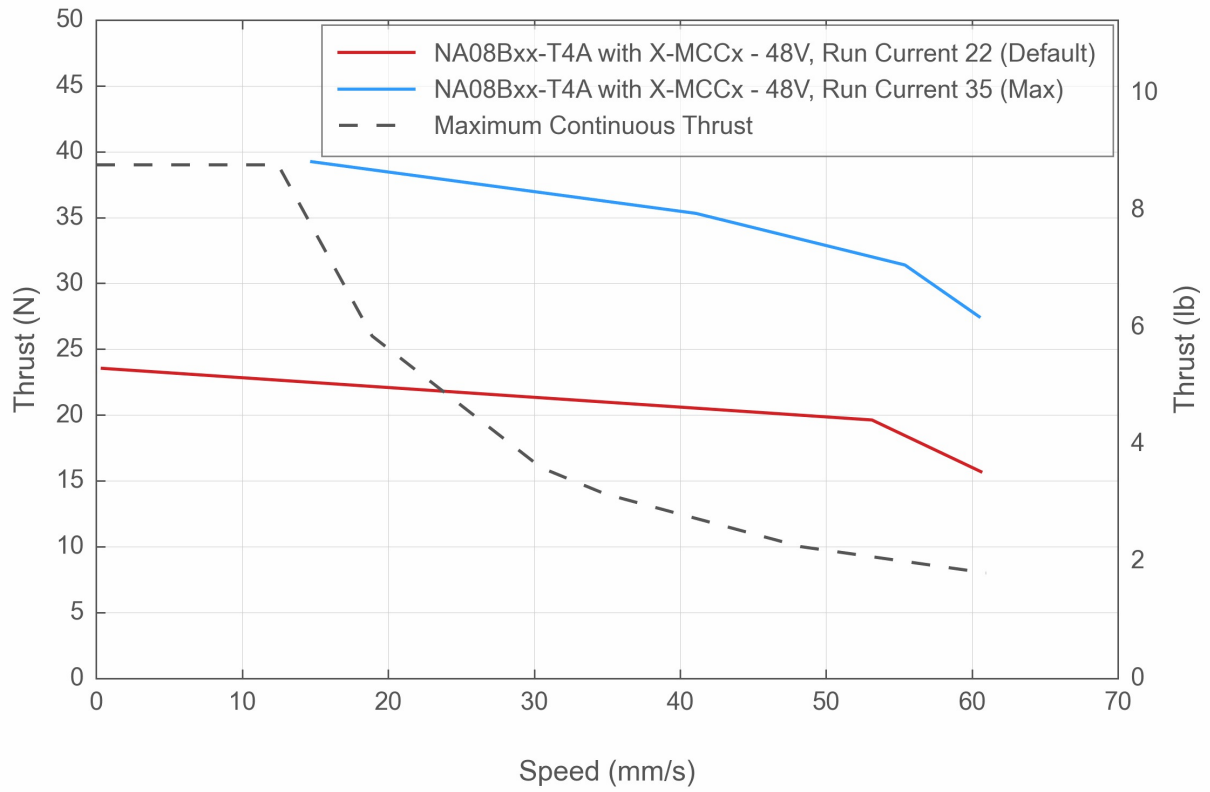
2.64 kg (5.820 lb)

NA Series Charts

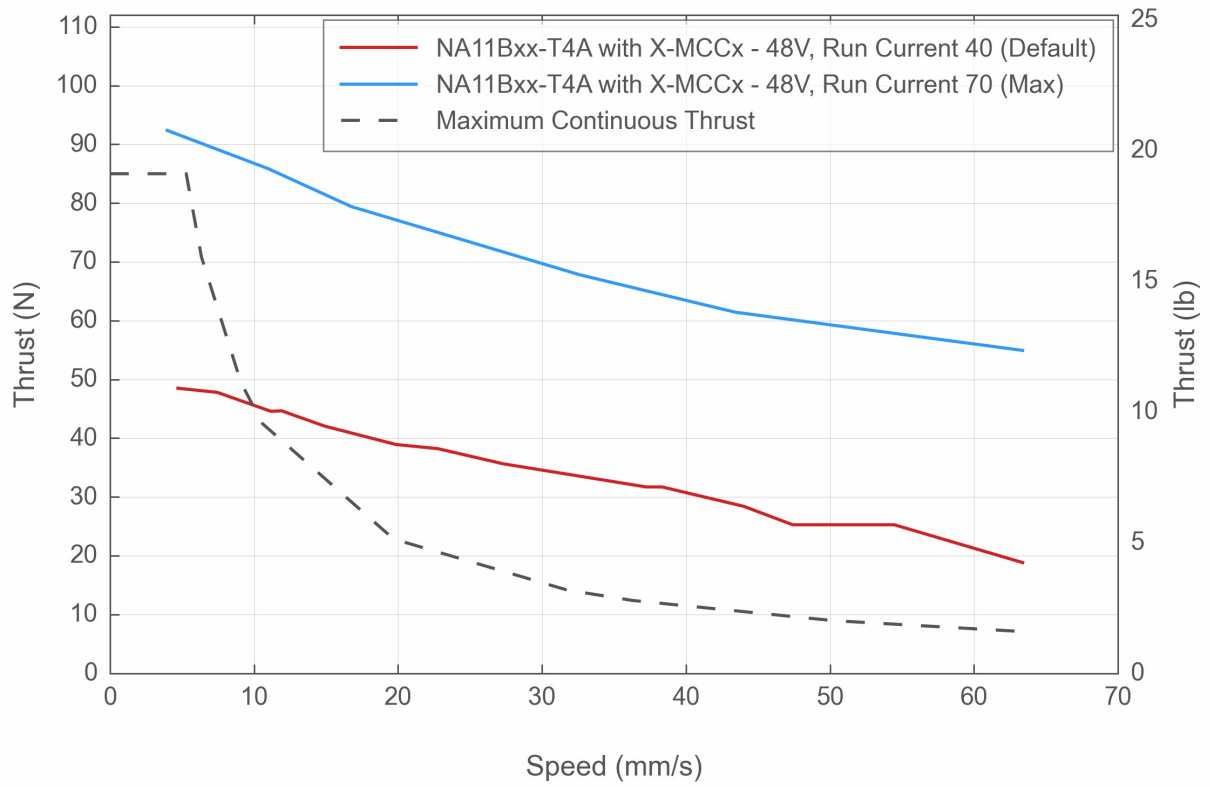
Thrust Speed Performance



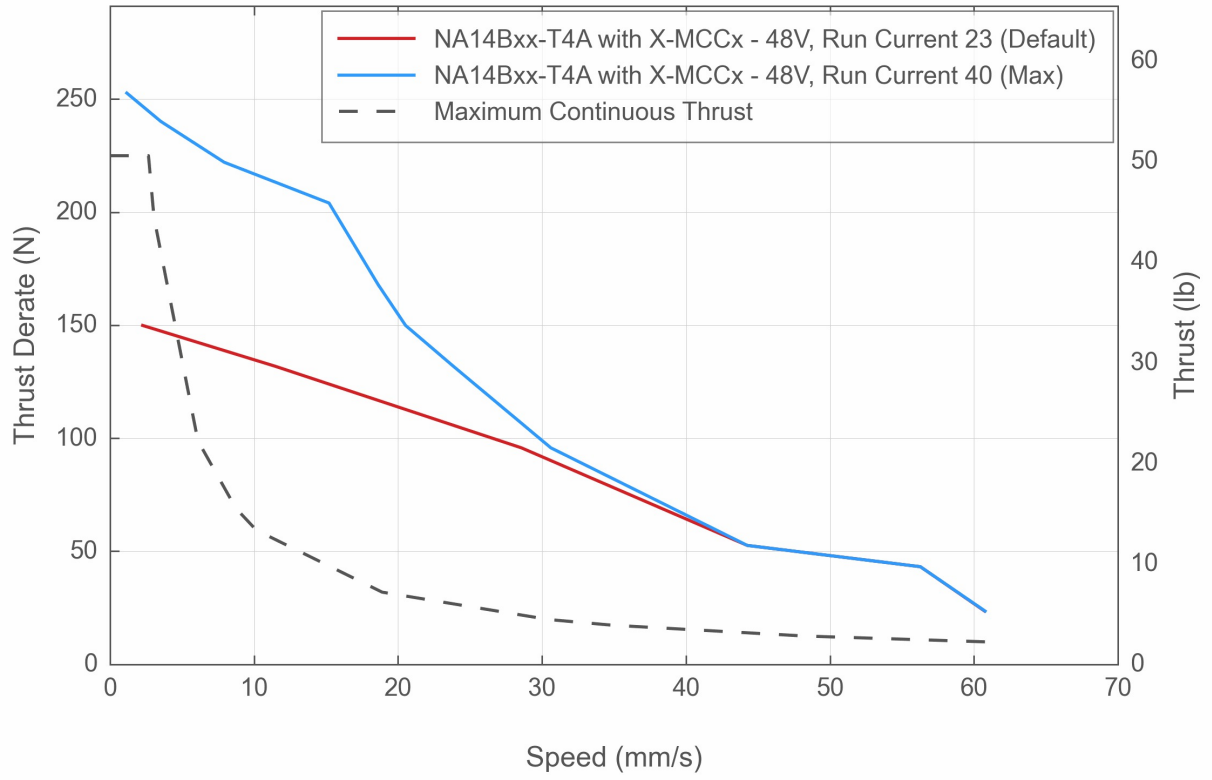
Thrust Speed Performance



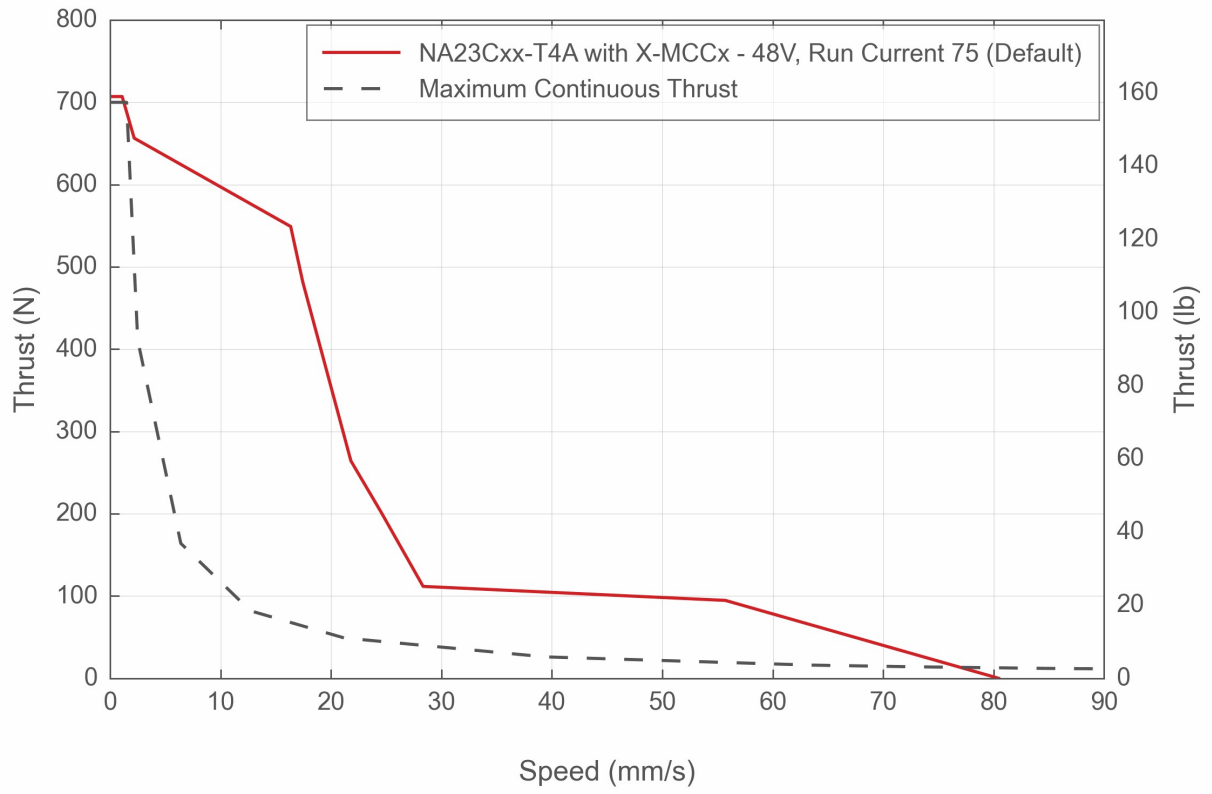
Thrust Speed Performance



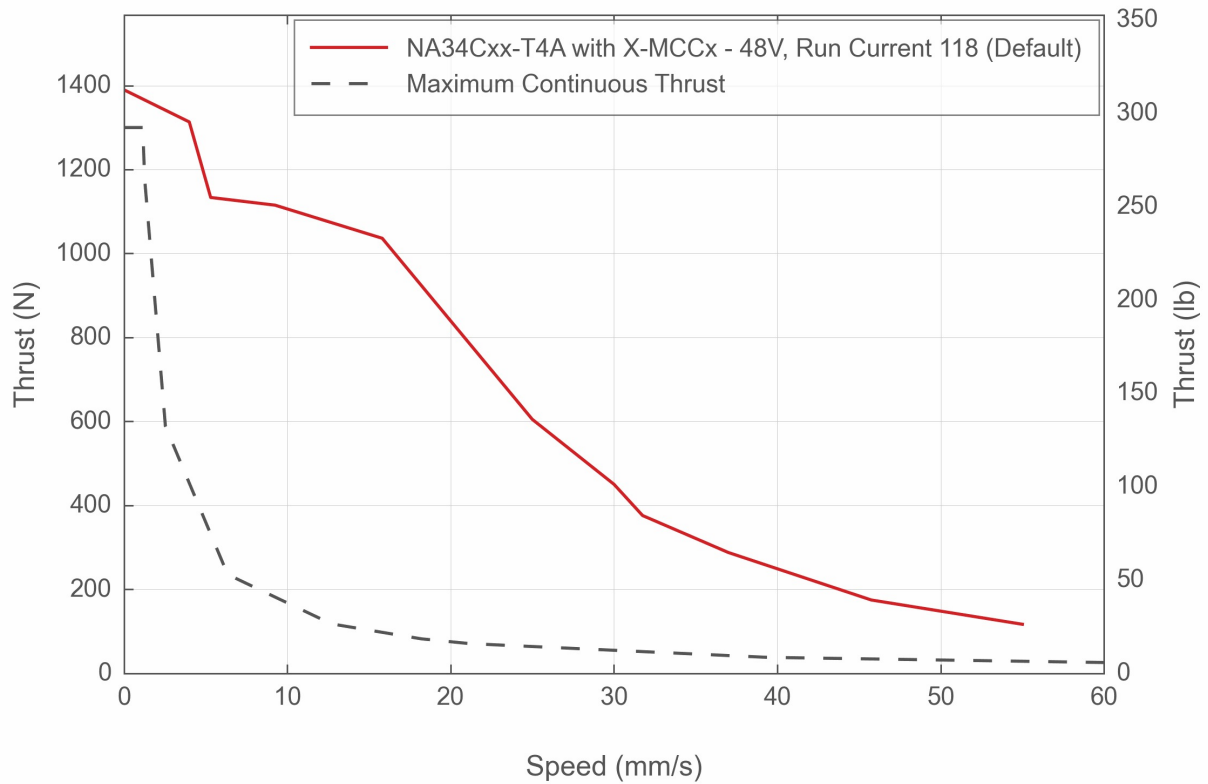
Thrust Speed Performance



Thrust Speed Performance



Thrust Speed Performance



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