

NA14B60-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

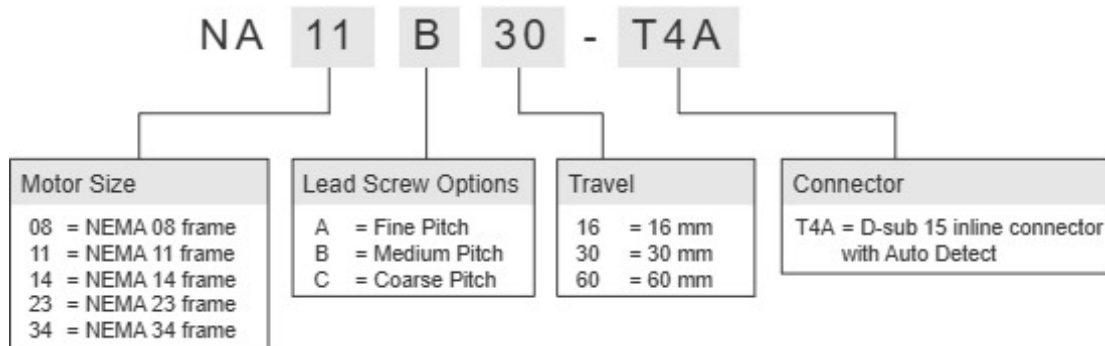
NA Series Overview

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



NA14B60-T4A Drawings

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

NA14B60-T4A Specifications

Microstep Size (Default Resolution)	0.09525 μm
Built-in Controller	No
Recommended Controller	MCC (48 V) Recommended
AutoDetect	Yes
Travel Range	60 mm (2.362")
Accuracy (unidirectional)	36 μm (0.001417")
Repeatability	< 5 μm (< 0.000197")
Backlash	< 20 μm (< 0.000787")
Maximum Speed	60 mm/s (2.362"/s)
Minimum Speed	0.000058 mm/s (0.000002"/s)
Speed Resolution	0.000058 mm/s (0.000002"/s)
Encoder Type	No
Peak Thrust	225 N (50.5 lb)
Maximum Continuous Thrust	225 N (50.5 lb)
Motor Temperature Rise	75 °C
Linear Motion Per Motor Rev	1.2192 mm (0.048")
Motor Steps Per Rev	200
Motor Type	Stepper (2 phase)
Motor Rated Current	570 mA/phase
Motor Winding Resistance	8.8 ohms/phase
Inductance	13 mH/phase
Motor Rated Power	5.7 Watts
Motor Connection	D-sub 15
Default Resolution	1/64 of a step
Motor Frame Size	14
Mechanical Drive System	Precision lead screw
Limit or Home Sensing	Magnetic home sensor
Axes of Motion	1
Mounting Interface	4 M3 tapped holes 26 mm apart or 15 mm smooth shank
CE Compliant	Yes
Vacuum Compatible	No

Microstep Size (Default Resolution)

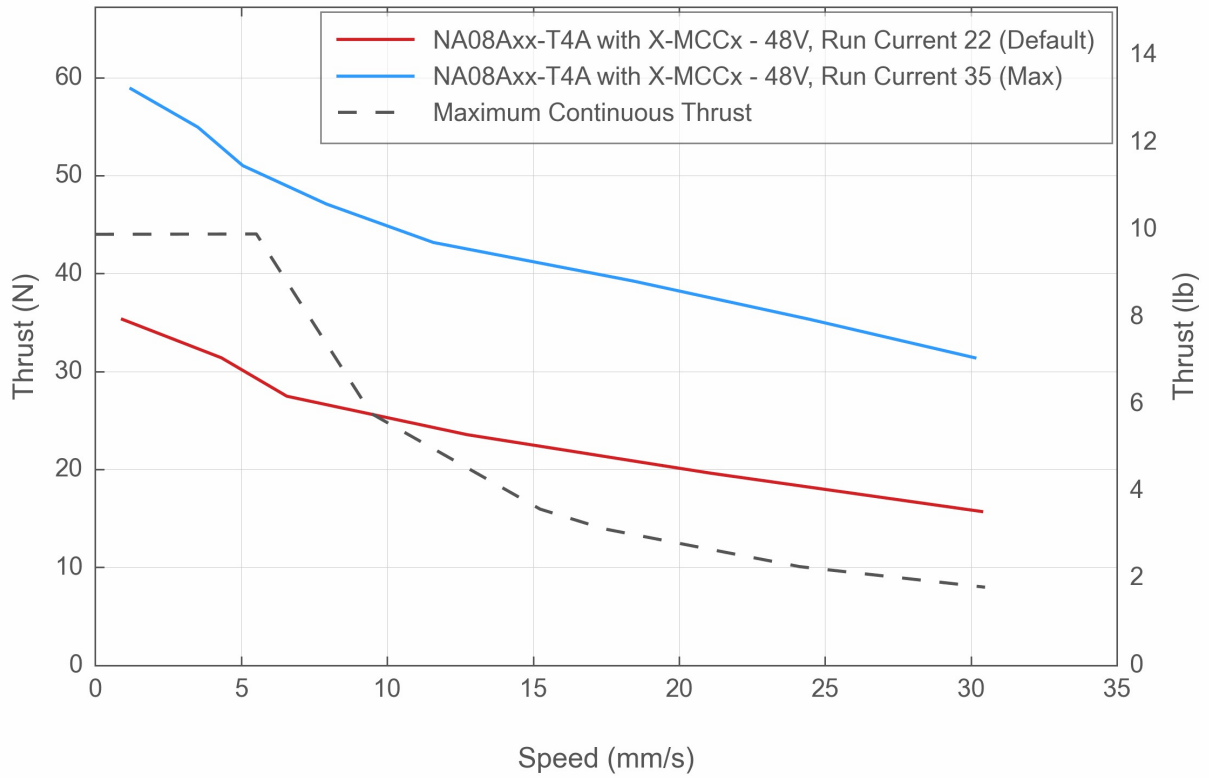
0.09525 μm

Weight

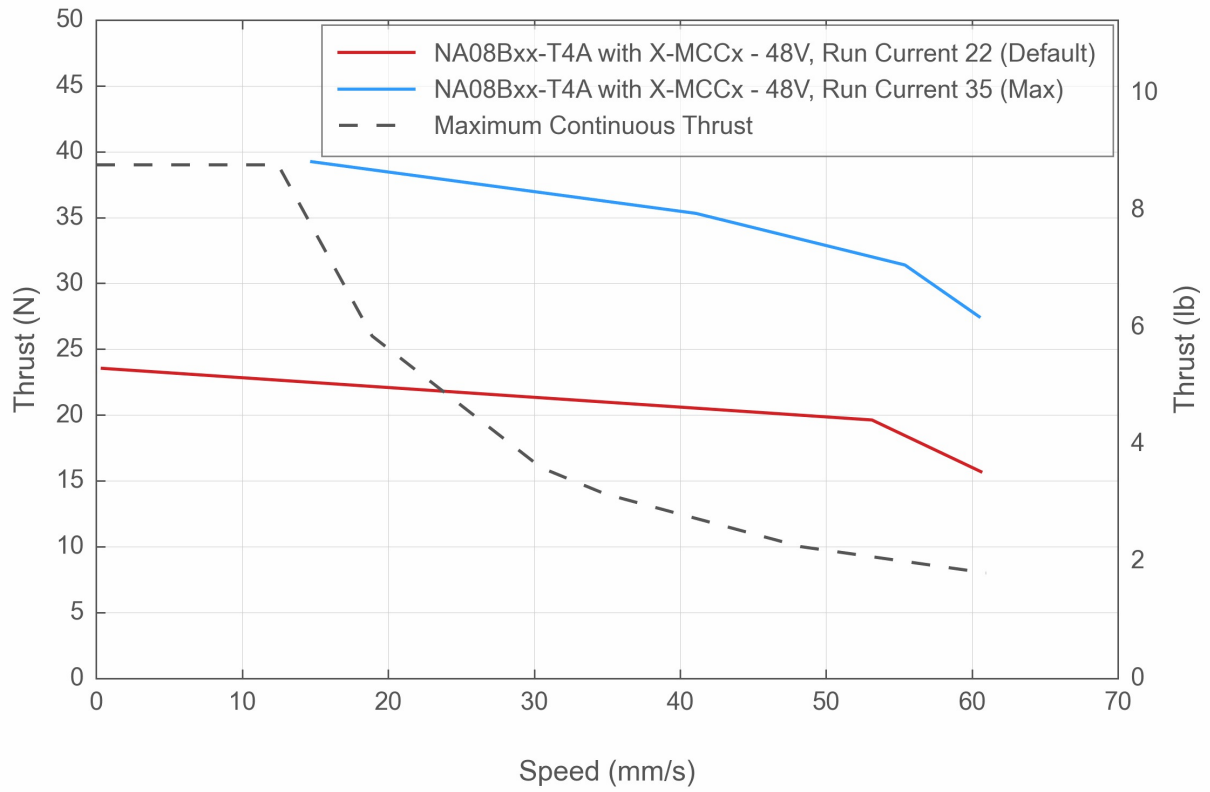
0.23 kg (0.507 lb)

NA Series Charts

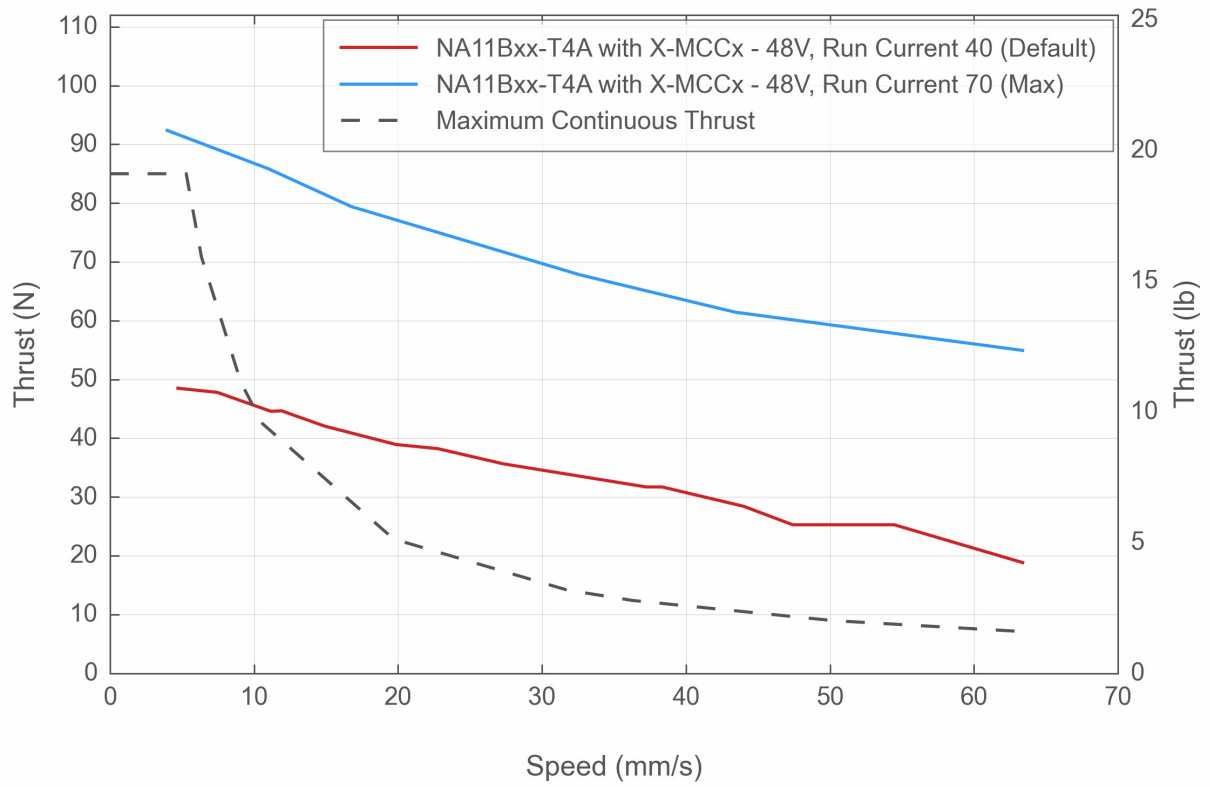
Thrust Speed Performance



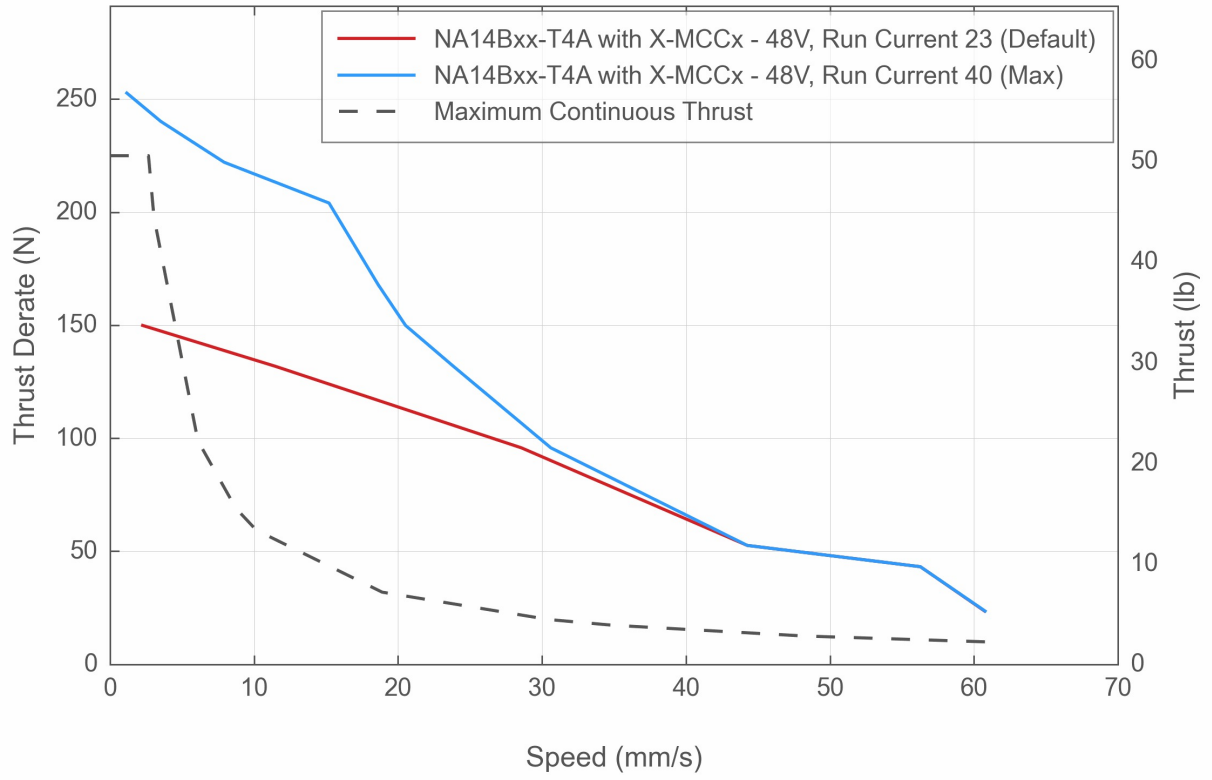
Thrust Speed Performance



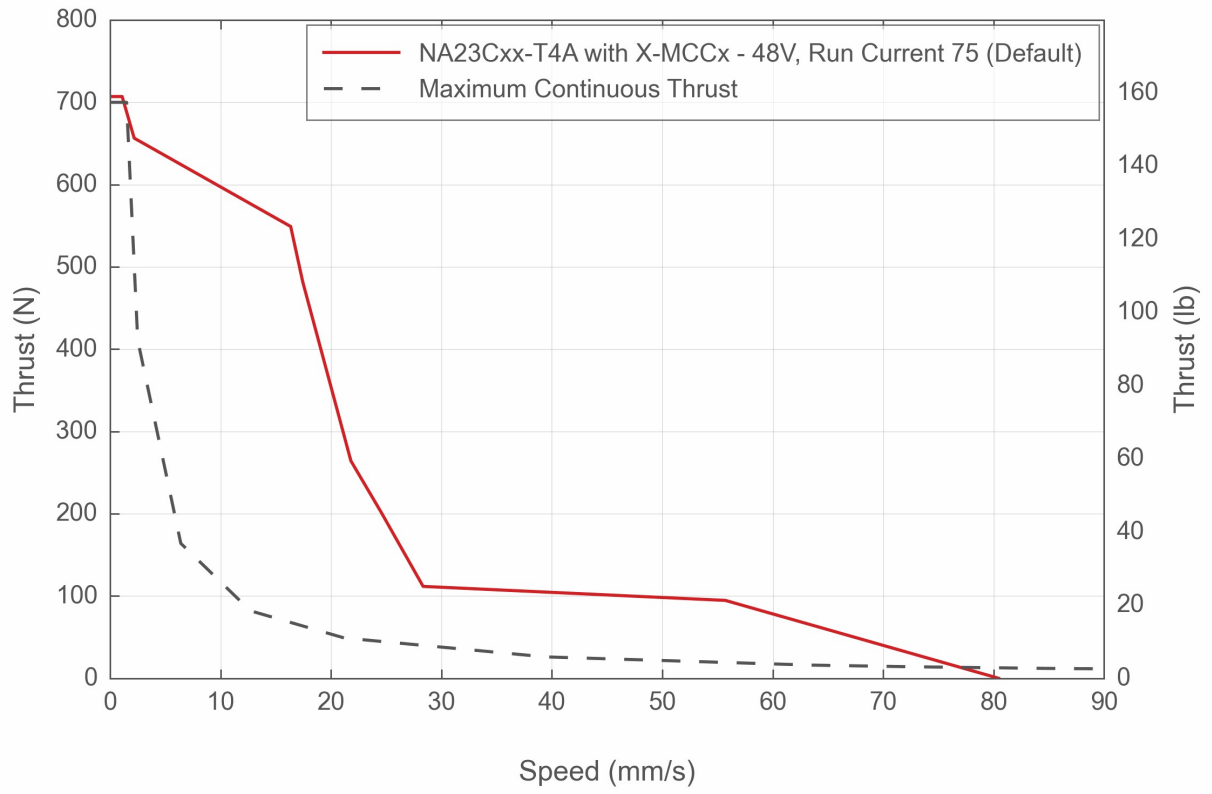
Thrust Speed Performance



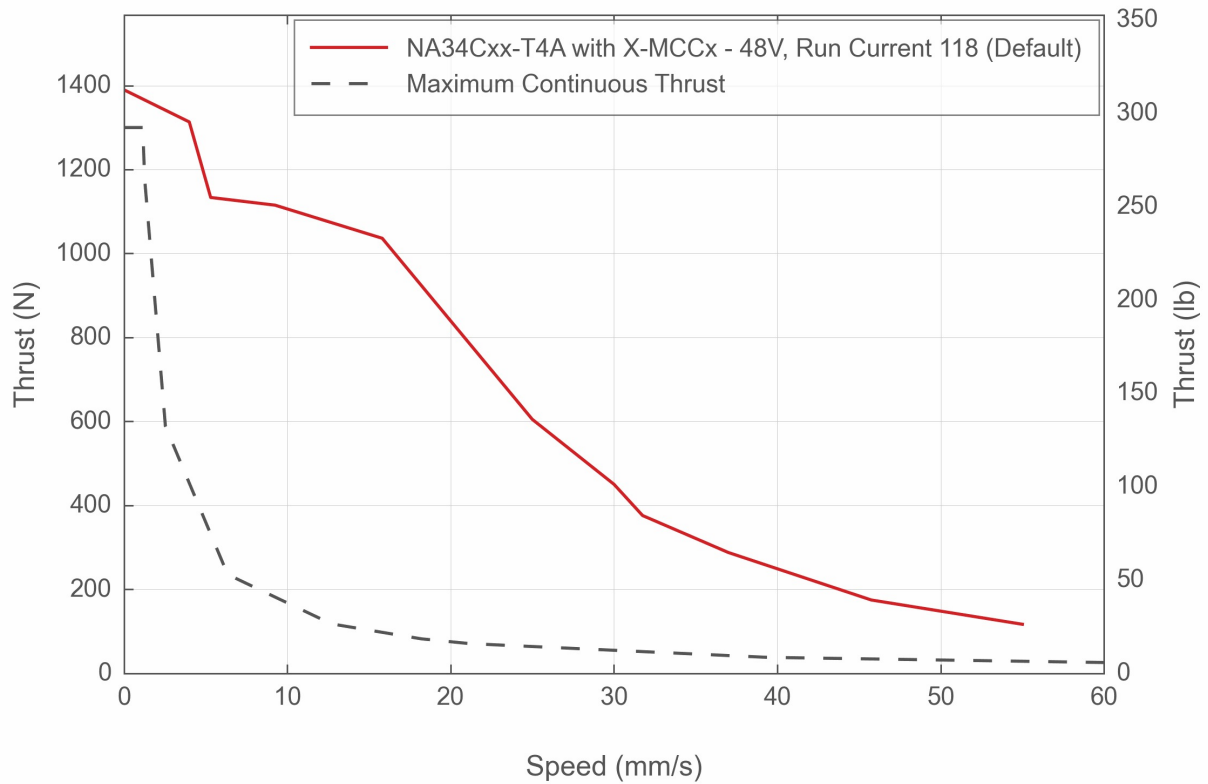
Thrust Speed Performance



Thrust Speed Performance



Thrust Speed Performance



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