

NA11B30-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

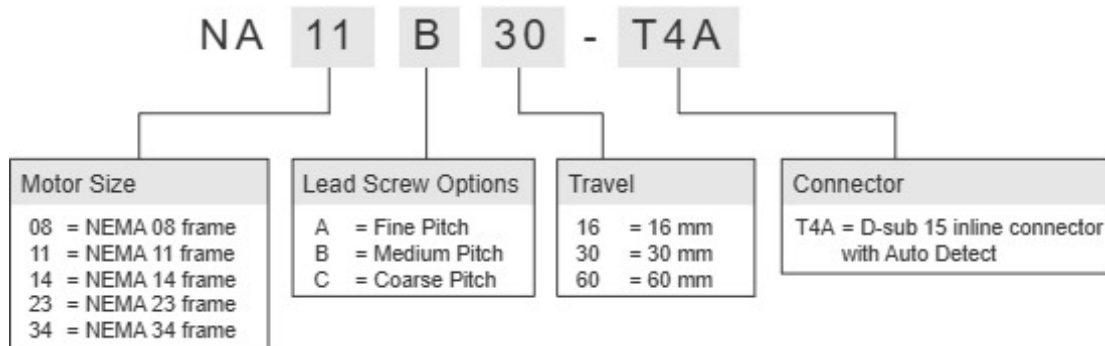
NA Series Overview

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



NA11B30-T4A Drawings

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

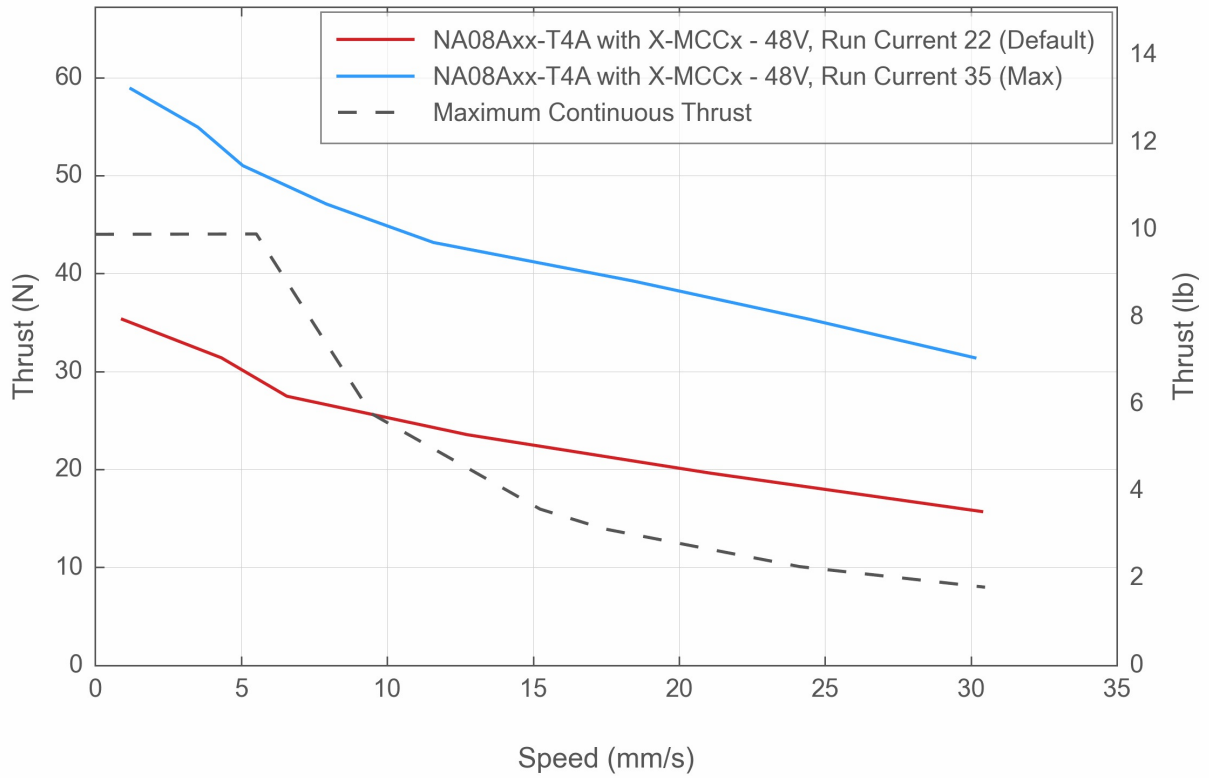
NA11B30-T4A Specifications

Microstep Size (Default Resolution)	0.09921875 μm
Built-in Controller	No
Recommended Controller	MCC (48 V) Recommended
AutoDetect	Yes
Travel Range	30 mm (1.181")
Accuracy (unidirectional)	25 μm (0.000984")
Repeatability	< 5 μm (< 0.000197")
Backlash	< 18 μm (< 0.000709")
Maximum Speed	63 mm/s (2.480"/s)
Minimum Speed	0.000061 mm/s (0.000002"/s)
Speed Resolution	0.000061 mm/s (0.000002"/s)
Encoder Type	No
Peak Thrust	85 N (19.1 lb)
Maximum Continuous Thrust	58 N (13.0 lb)
Motor Temperature Rise	75 °C
Linear Motion Per Motor Rev	1.27 mm (0.050")
Motor Steps Per Rev	200
Motor Type	Stepper (2 phase)
Motor Rated Current	1000 mA/phase
Motor Winding Resistance	2.1 ohms/phase
Inductance	1.5 mH/phase
Motor Rated Power	4.2 Watts
Motor Connection	D-sub 15
Default Resolution	1/64 of a step
Motor Frame Size	11
Mechanical Drive System	Precision lead screw
Limit or Home Sensing	Magnetic home sensor
Axes of Motion	1
Mounting Interface	4 M2.5 tapped holes 23 mm apart or 14 mm smooth shank
CE Compliant	Yes
Vacuum Compatible	No

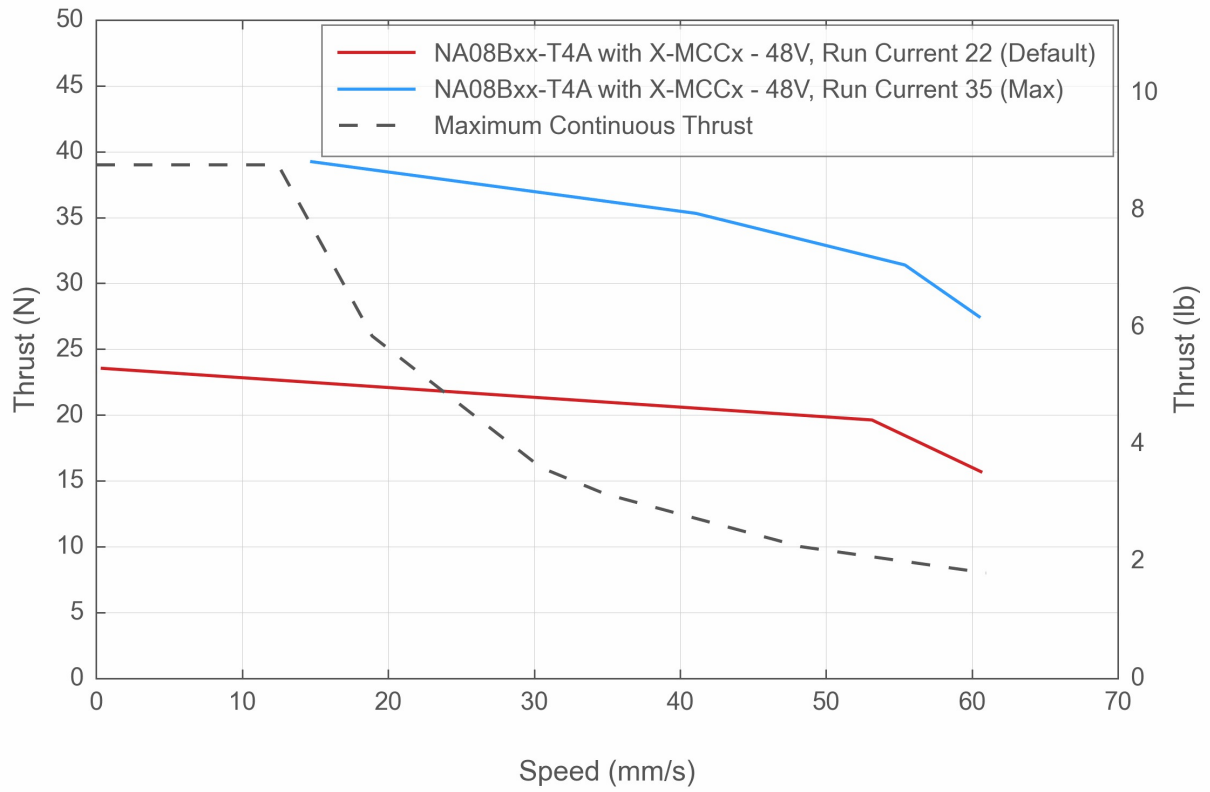
Microstep Size (Default Resolution)	0.09921875 μm
Weight	0.16 kg (0.353 lb)

NA Series Charts

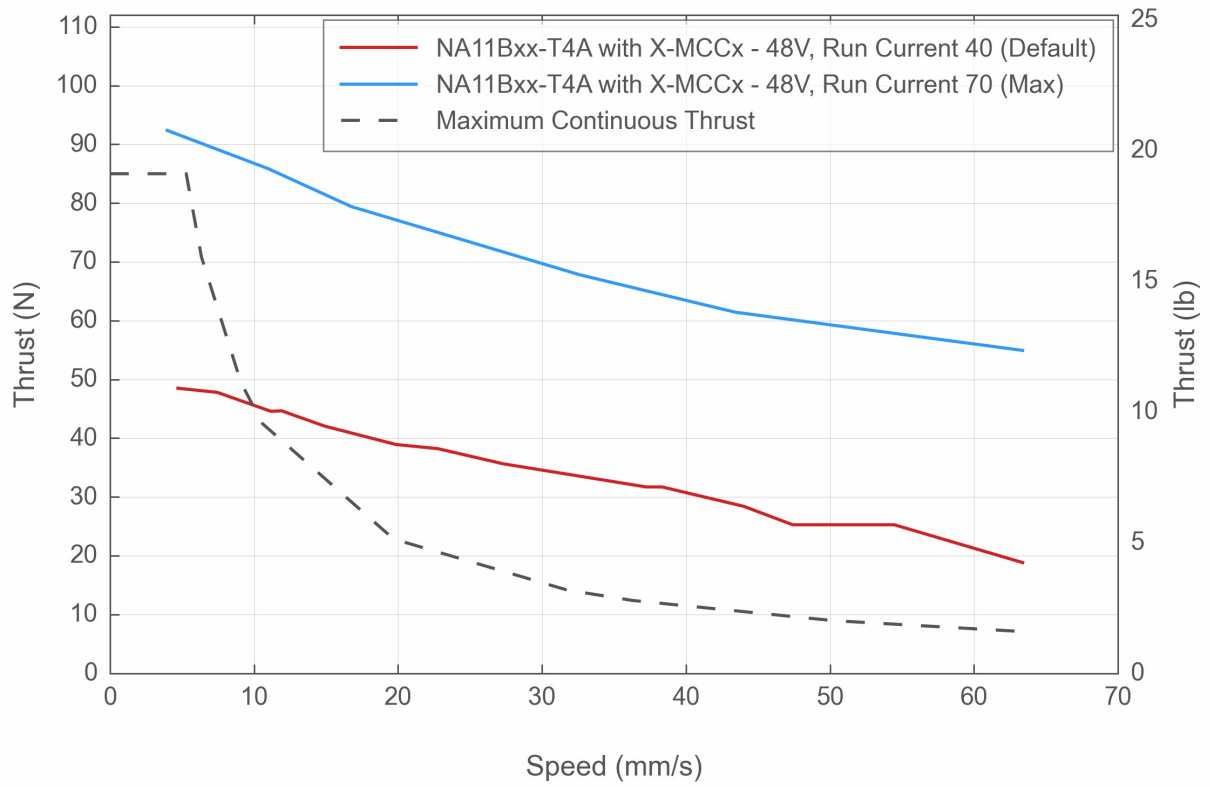
Thrust Speed Performance



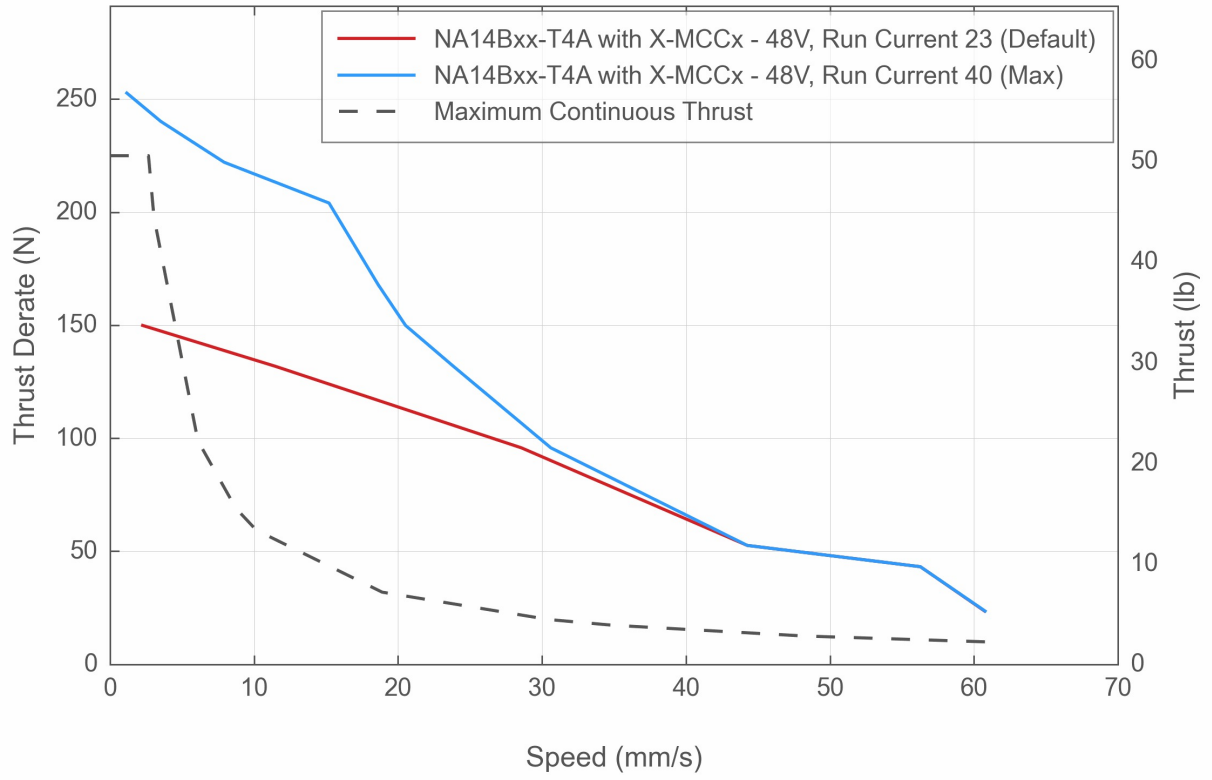
Thrust Speed Performance



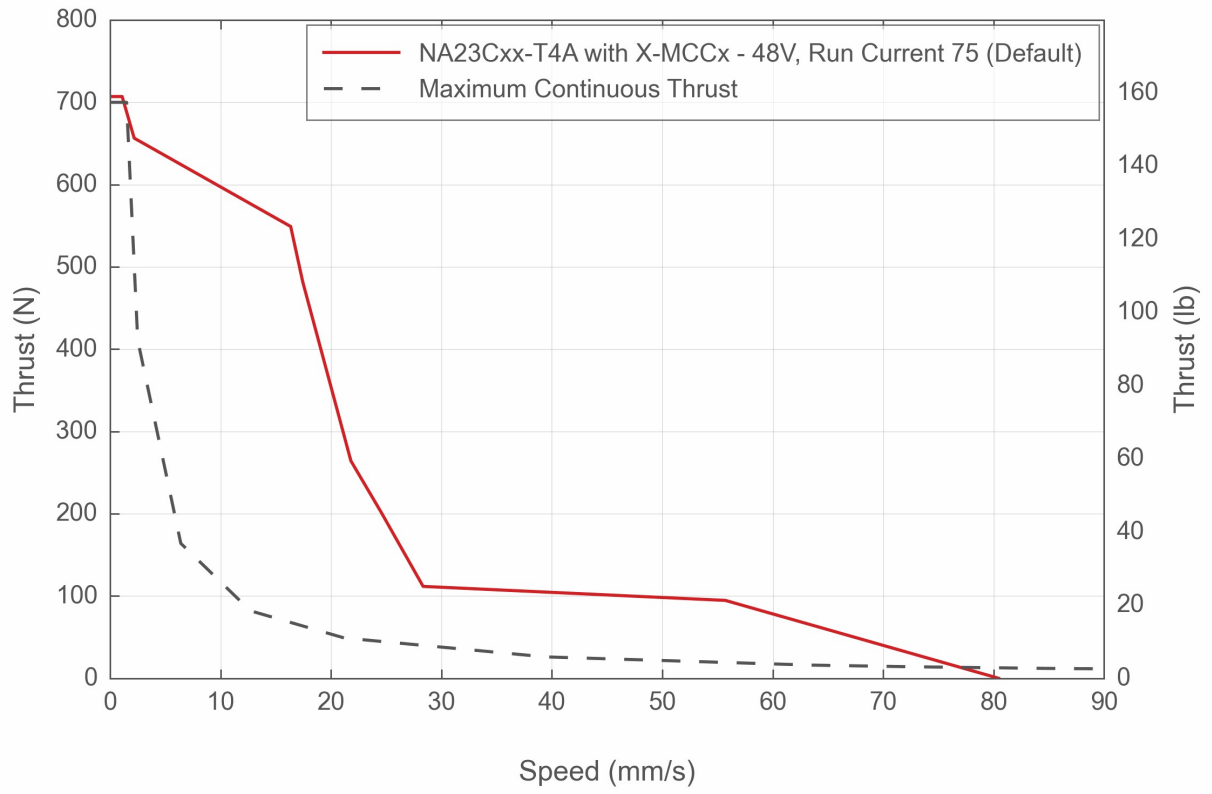
Thrust Speed Performance



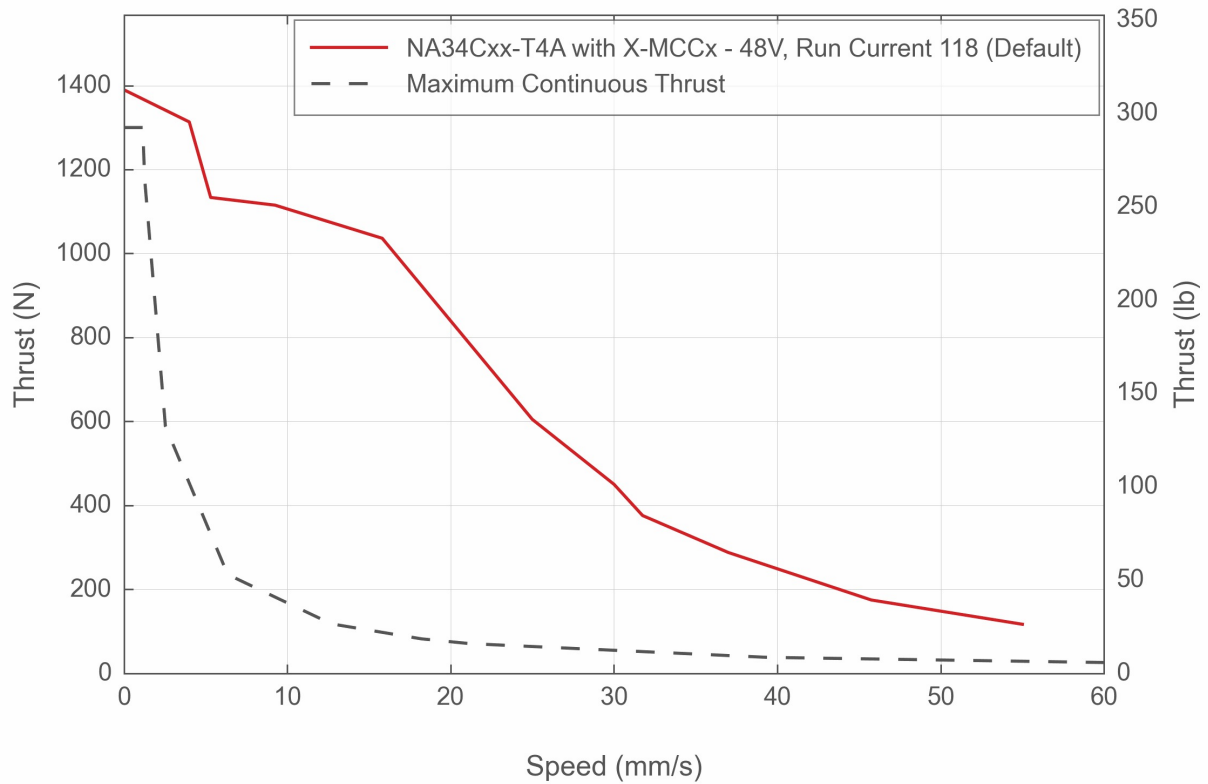
Thrust Speed Performance



Thrust Speed Performance



Thrust Speed Performance



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