

## NA23C60-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

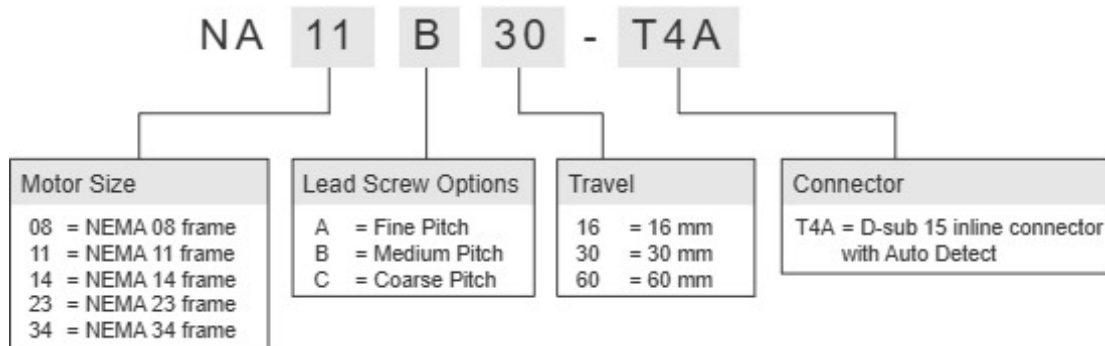
### NA Series Overview

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



## NA23C60-T4A Drawings

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

## NA23C60-T4A Specifications

<b>Microstep Size (Default Resolution)</b>	<b>0.1984375 <math>\mu\text{m}</math></b>
Built-in Controller	No
Recommended Controller	MCC (48 V) Recommended
AutoDetect	Yes
Travel Range	60 mm (2.362")
Accuracy (unidirectional)	36 $\mu\text{m}$ (0.001417")
Repeatability	< 5 $\mu\text{m}$ (< 0.000197")
Backlash	< 30 $\mu\text{m}$ (< 0.001181")
Maximum Speed	80 mm/s (3.150"/s)
Minimum Speed	0.000121 mm/s (0.000005"/s)
Speed Resolution	0.000121 mm/s (0.000005"/s)
Encoder Type	No
Peak Thrust	700 N (157.0 lb)
Maximum Continuous Thrust	700 N (157.0 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	1300 mA/phase
Motor Winding Resistance	3.85 ohms/phase
Inductance	10.5 mH/phase
Motor Rated Power	13 Watts
Motor Connection	D-sub 15
Default Resolution	1/64 of a step
Motor Frame Size	23
Mechanical Drive System	Precision lead screw
Limit or Home Sensing	Magnetic home sensor
Axes of Motion	1
Mounting Interface	5.2 mm holes
CE Compliant	Yes
Vacuum Compatible	No

Microstep Size (Default Resolution)

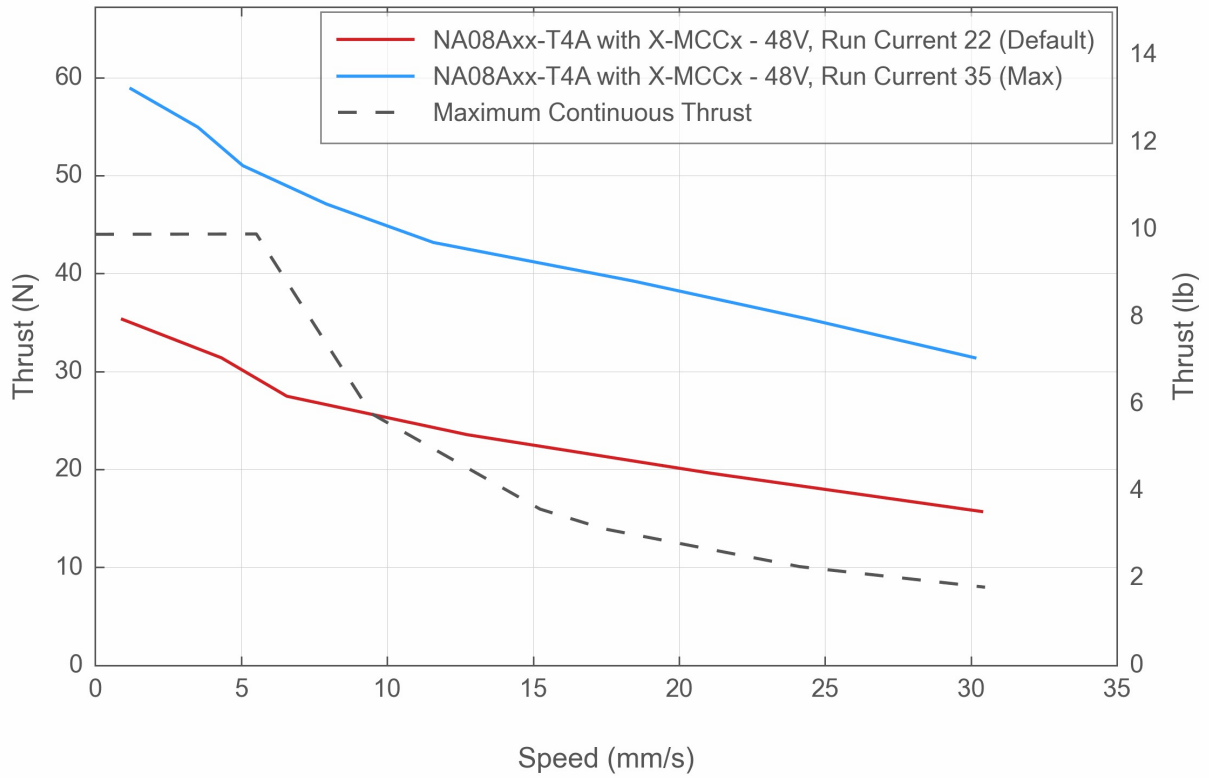
0.1984375  $\mu\text{m}$

Weight

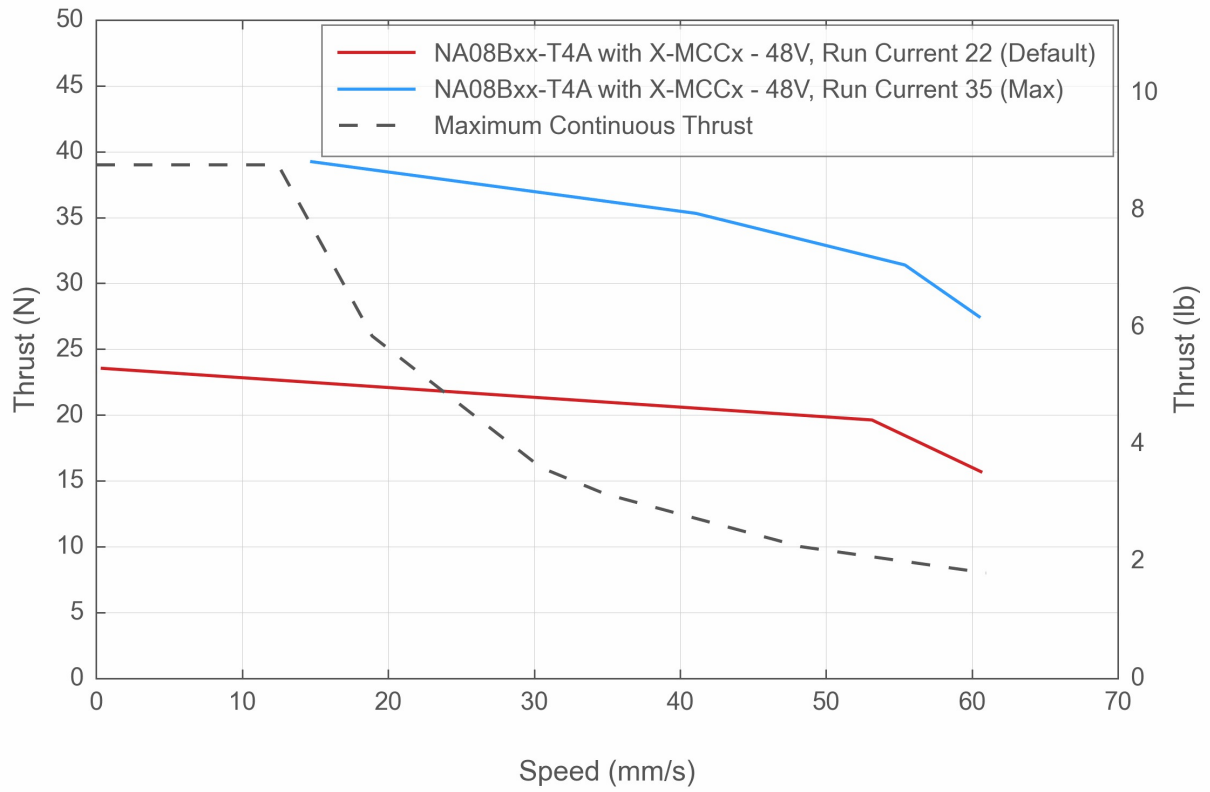
0.75 kg (1.653 lb)

## NA Series Charts

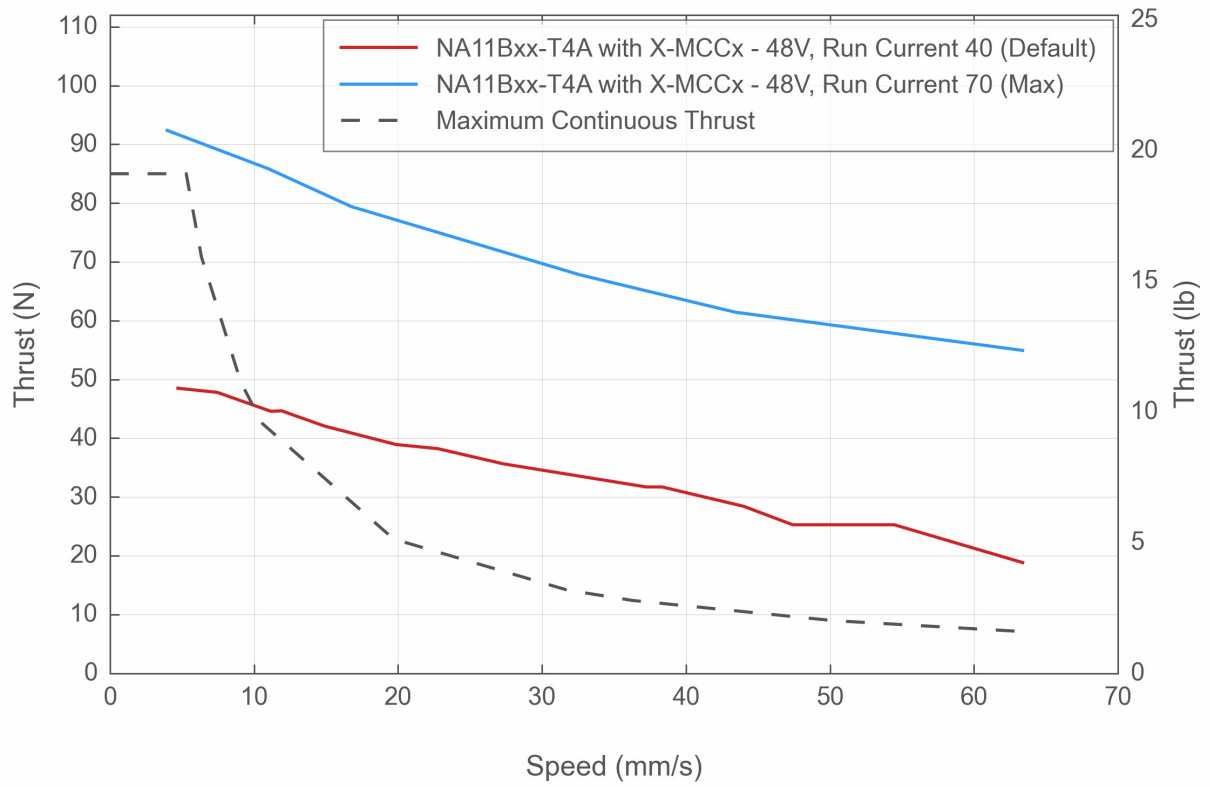
### Thrust Speed Performance



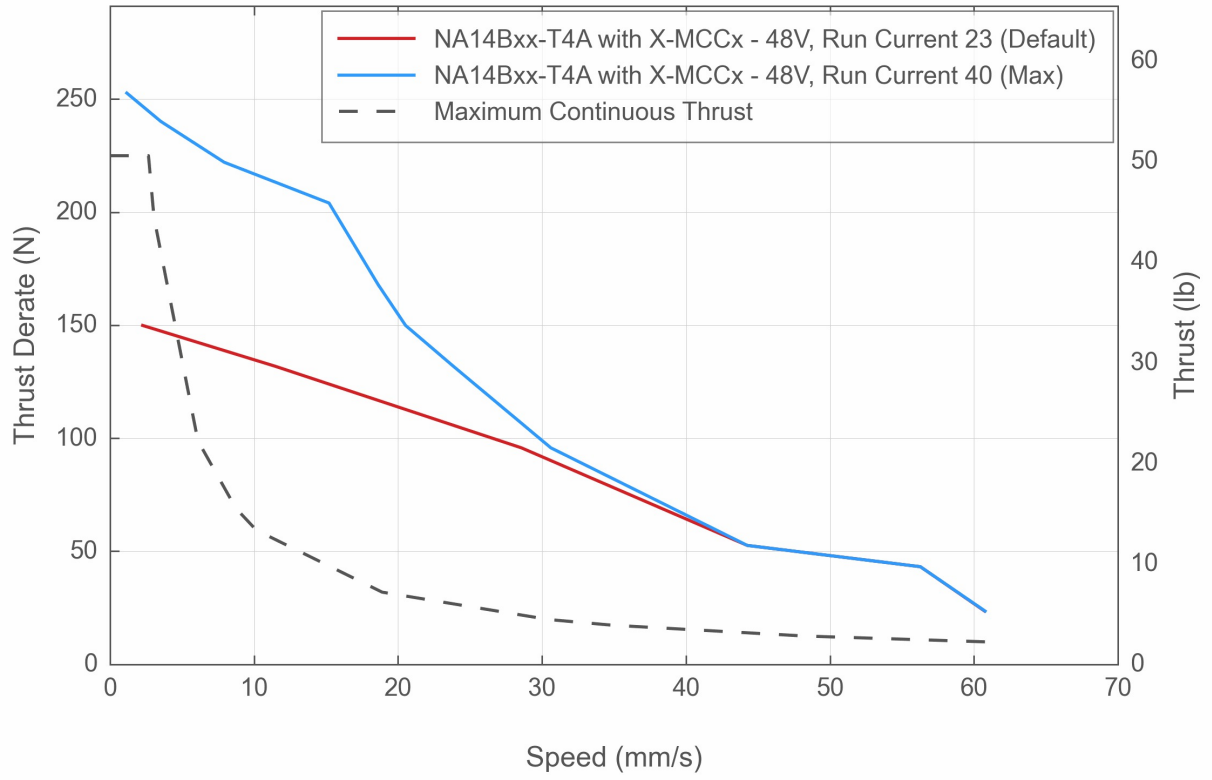
## Thrust Speed Performance



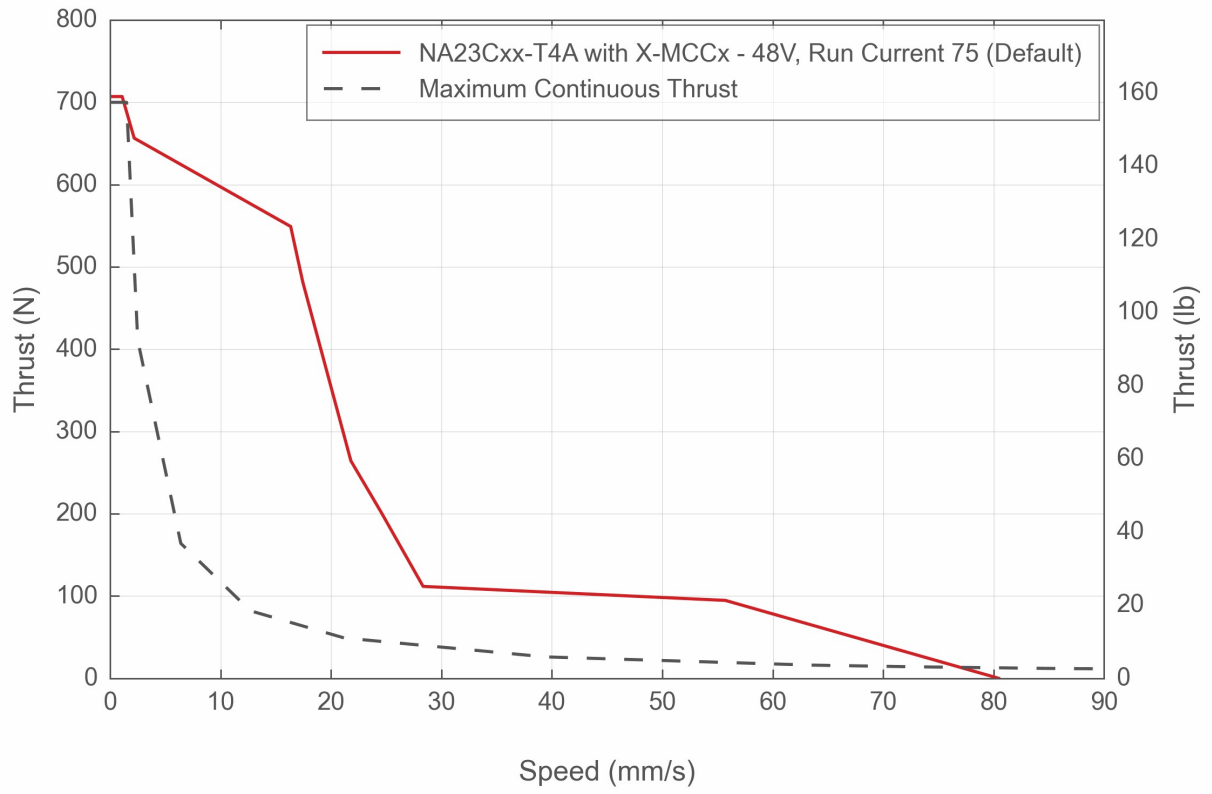
## Thrust Speed Performance



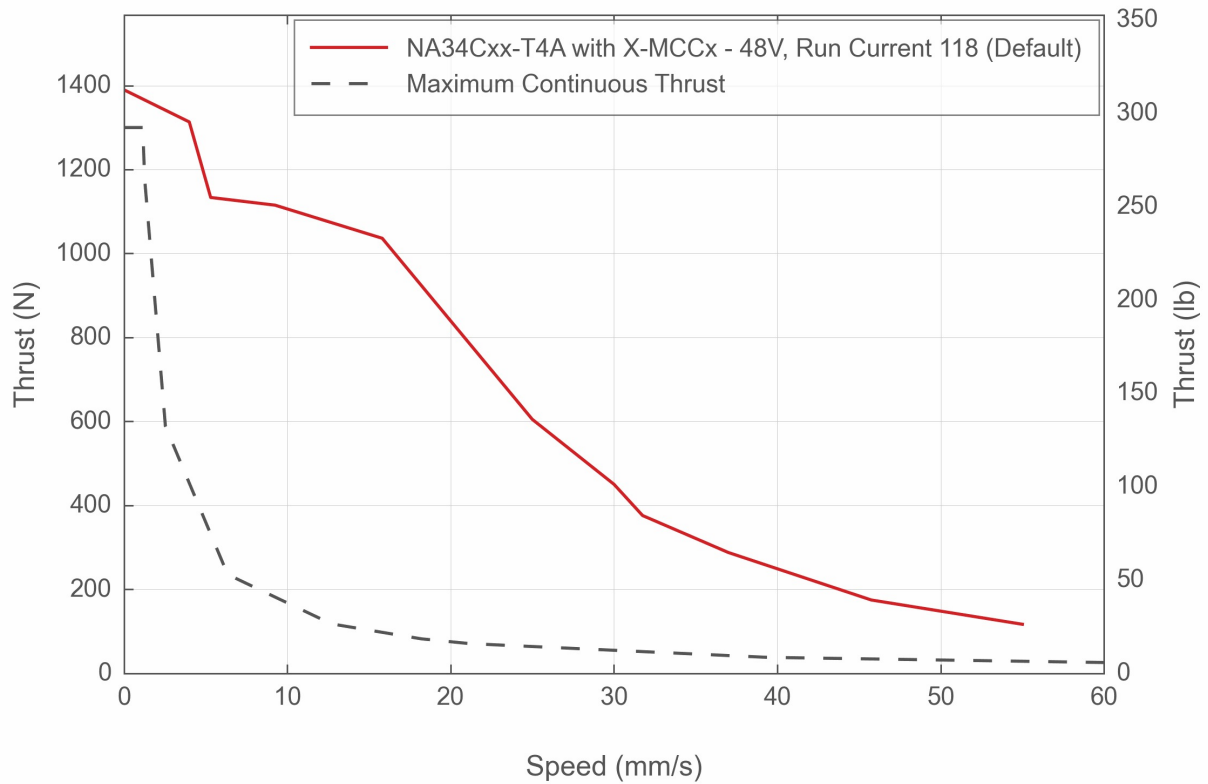
## Thrust Speed Performance



## Thrust Speed Performance



## Thrust Speed Performance



## Contact

Email: [contact@zaber.com](mailto:contact@zaber.com)

Phone (toll free Canada/USA): 1-888-276-8033

Phone (direct): 1-604-569-3780

Fax: 1-604-648-8033

Zaber Technologies Inc.

#2 - 605 West Kent Ave. N.

Vancouver, British Columbia

Canada, V6P 6T7

<https://www.zaber.com>