

## NA08A16-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

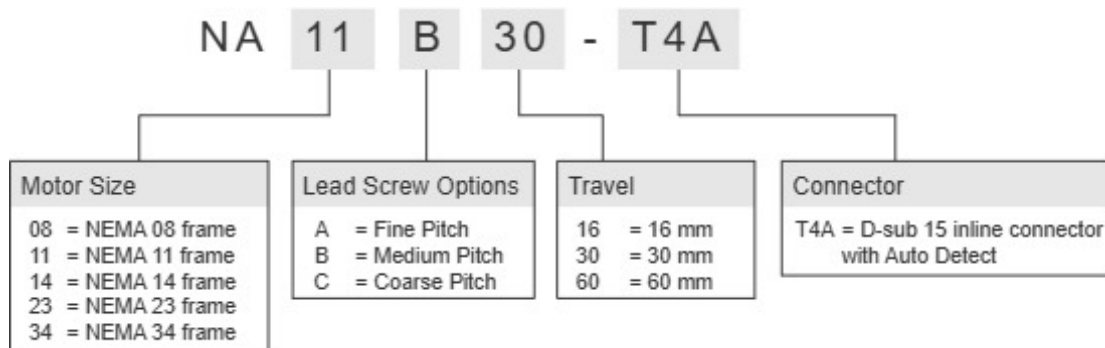
### NA Series Overview

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



## NA08A16-T4A Drawings

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

## NA08A16-T4A Specifications

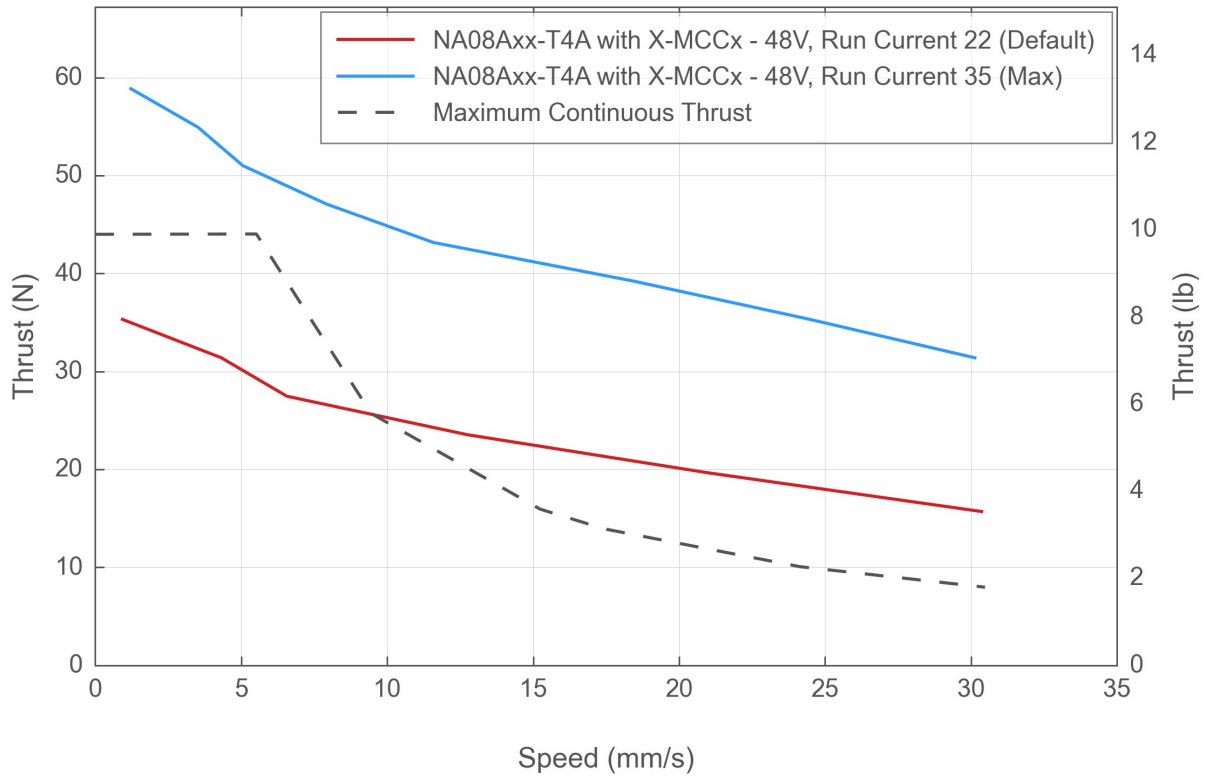
<b>Microstep Size (Default Resolution)</b>	<b>0.047625 <math>\mu\text{m}</math></b>
Built-in Controller	No
Recommended Controller	MCC (48 V) Recommended
AutoDetect	Yes
Travel Range	16 mm (0.630")
Accuracy (unidirectional)	20 $\mu\text{m}$ (0.000787")
Repeatability	< 5 $\mu\text{m}$ (< 0.000197")
Backlash	< 15 $\mu\text{m}$ (< 0.000591")
Maximum Speed	30 mm/s (1.181"/s)
Minimum Speed	0.000029 mm/s (0.000001"/s)
Speed Resolution	0.000029 mm/s (0.000001"/s)
Encoder Type	No
Peak Thrust	44 N (9.9 lb)
Maximum Continuous Thrust	19 N (4.3 lb)
Motor Temperature Rise	75 °C
Linear Motion Per Motor Rev	0.6096 mm (0.024")
Motor Steps Per Rev	200
Motor Type	Stepper (2 phase)
Motor Rated Current	490 mA/phase
Motor Winding Resistance	5.1 ohms/phase
Inductance	1.5 mH/phase
Motor Rated Power	2.45 Watts
Motor Connection	D-sub 15
Default Resolution	1/64 of a step
Motor Frame Size	08
Mechanical Drive System	Precision lead screw
Limit or Home Sensing	Magnetic home sensor
Axes of Motion	1
Mounting Interface	4 M2 tapped holes 15.4 mm apart or 9 mm dia smooth shank
CE Compliant	Yes
Vacuum Compatible	No

Microstep Size (Default Resolution) 0.047625  $\mu\text{m}$

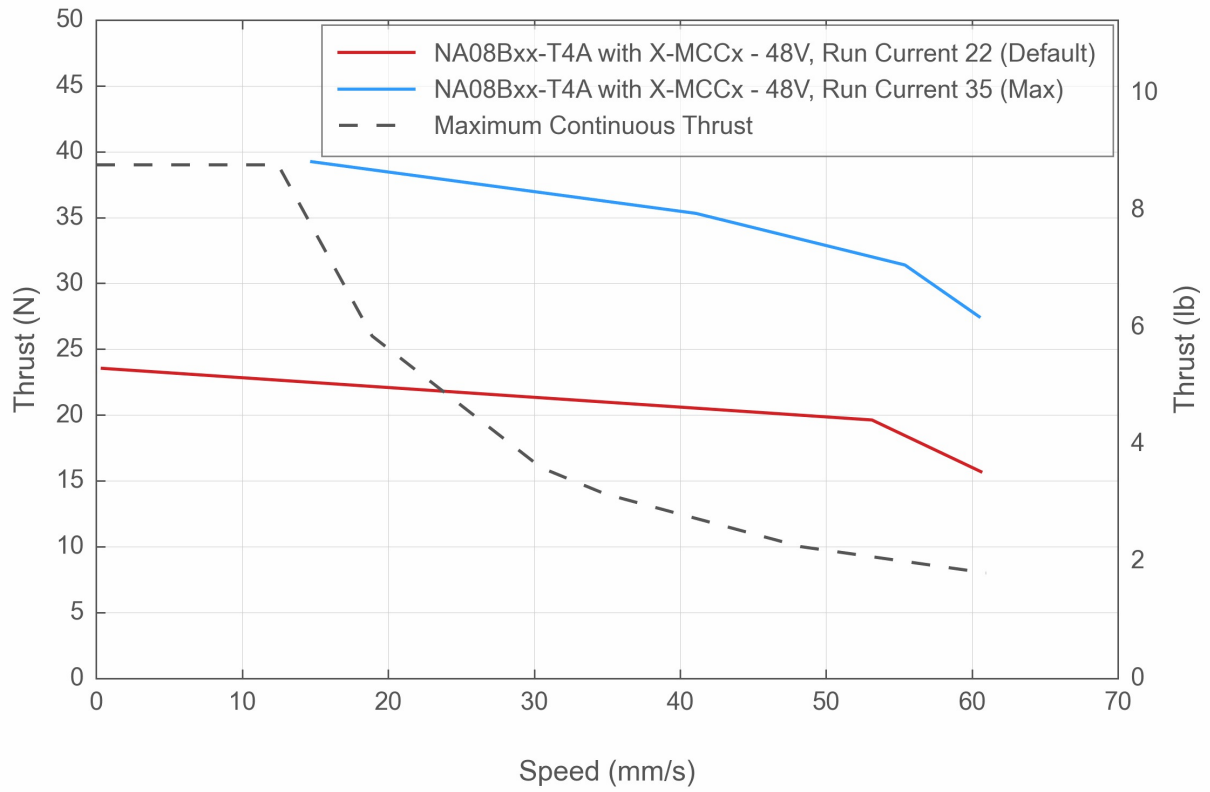
Weight 0.07 kg (0.154 lb)

## NA Series Charts

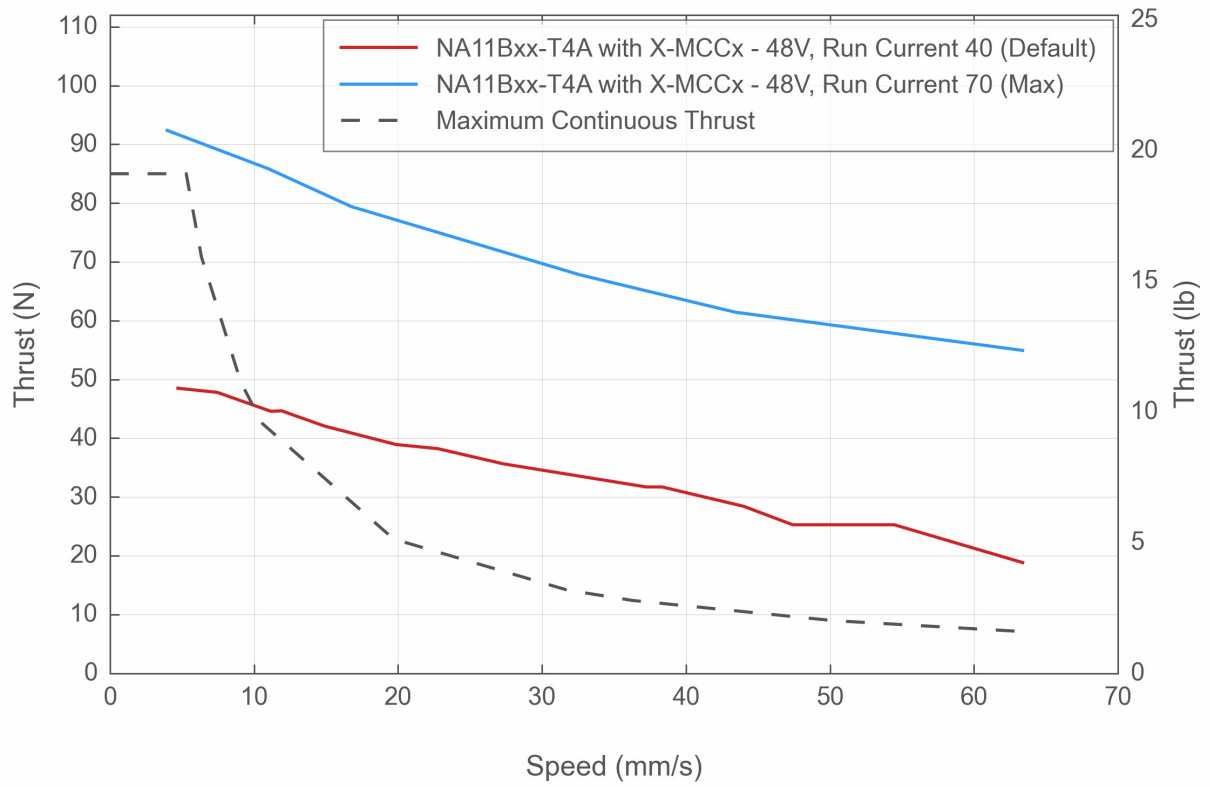
### Thrust Speed Performance



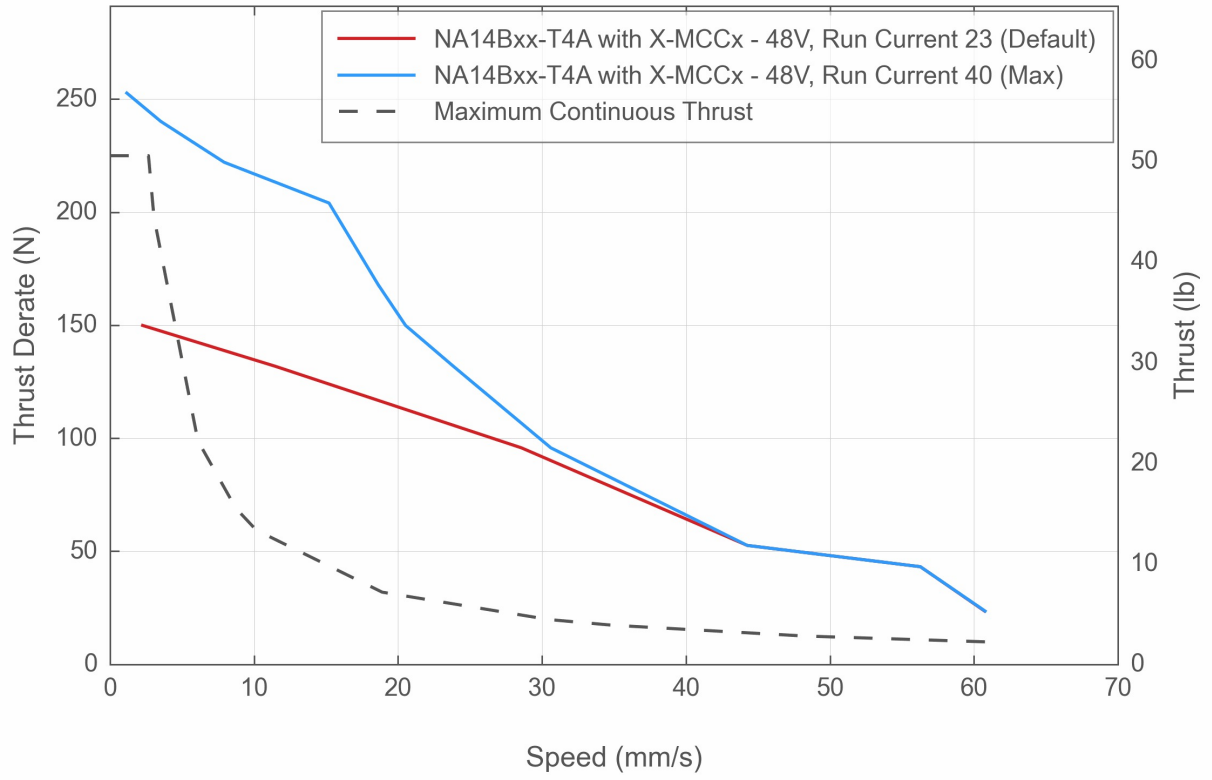
## Thrust Speed Performance



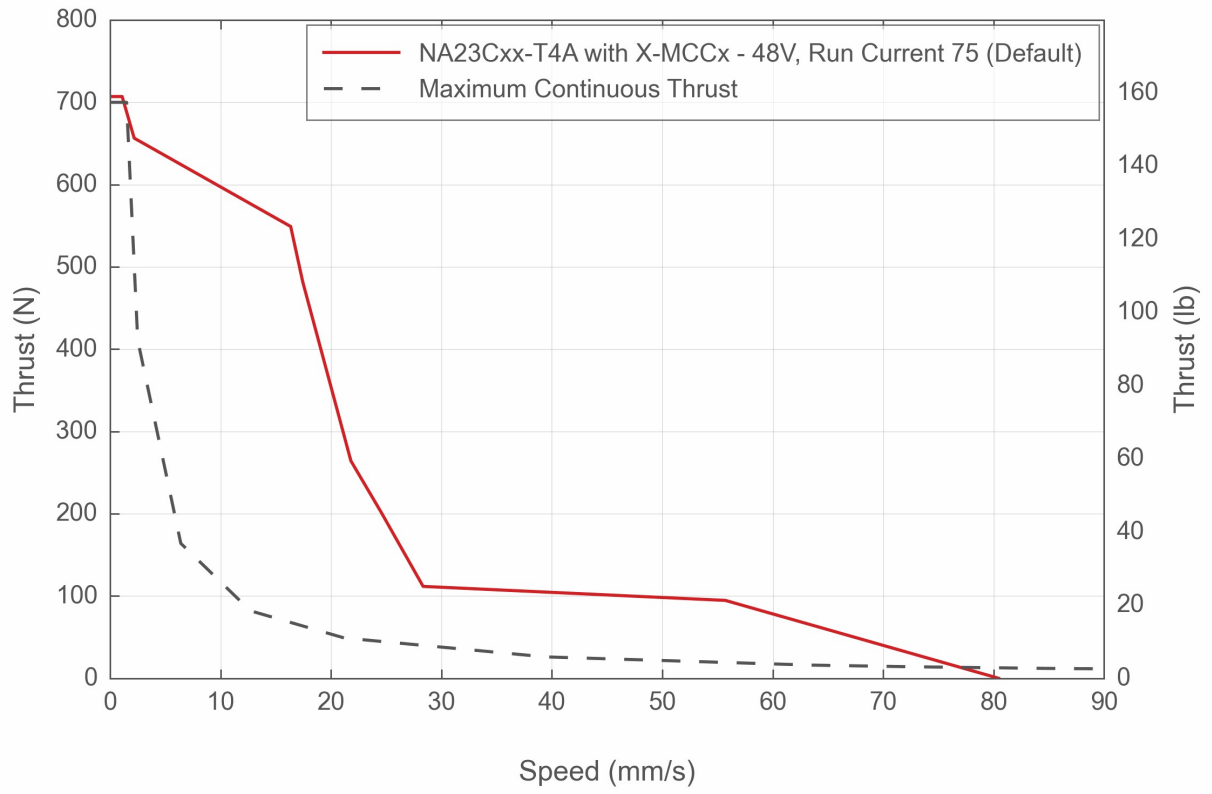
## Thrust Speed Performance



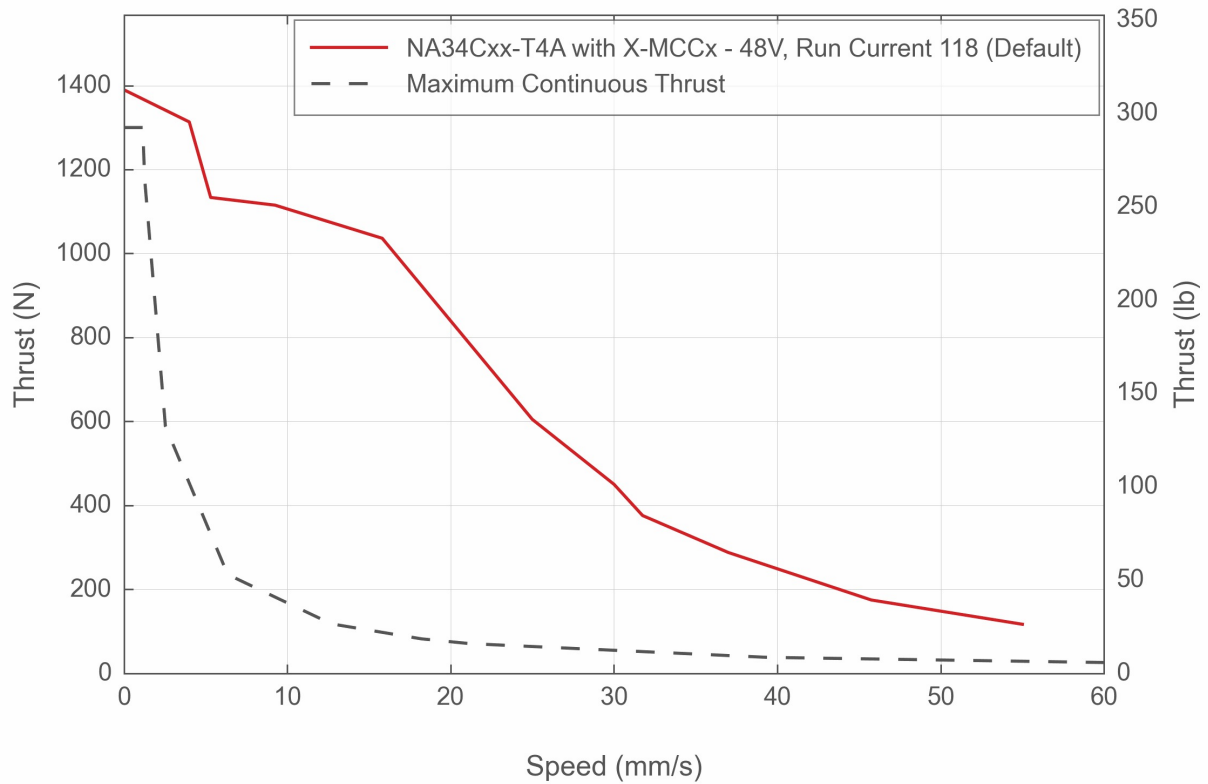
## Thrust Speed Performance



## Thrust Speed Performance



## Thrust Speed Performance



## Contact

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