NORTHAMCON INC

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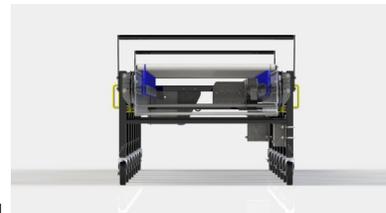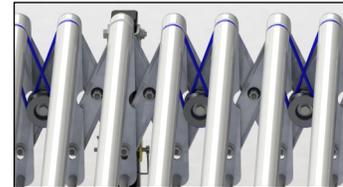
Powered Flex Conveyor

General Overview

NAC Powered Flex Conveyor is a flexible, expandable, portable, powered roller conveyor that will stretch or bend to fit your available space and is ideal for truck loading and unloading areas, distribution centers or portable assembly lines.

Accumulation Style: Each zone contains a sensor array, motor and smart conveyor control logic. Zones run on demand only when the downstream zone is unoccupied. Packages accumulate at the end of a conveyor or in the zones prior to a full zone.

Transportation Style: Conveyor is always on, transporting packages continuously at a constant speed.
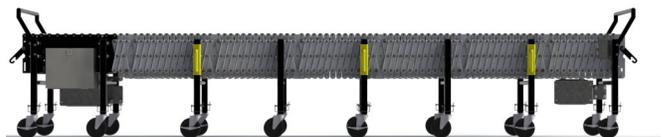
Features:

- 1-3/8" diameter rollers, 1-1/2" collapsed c/c, 3" expanded c/c
- 110 VAC input power
- Heavy-duty, sealed, quick-connect power cabling
- Rollers driven by high-tension, urethane O-ring belts
- Precision bearings
- Supports at 30" top of roller
- Locking, swivel casters with brake
- Pin-adjustable height plus or minus 4" on 1/2" increments
- Powder coated frame and supports
- Aluminum side flex bars
- Start/Stop button at each end
- Forward/Reverse switch on base end
- Entrance zone interface box includes dry contact relays for control of entrance zone driver card
- Exit zone interface box has speed control potentiometer along with dry contact relays for control of exit zone driver card
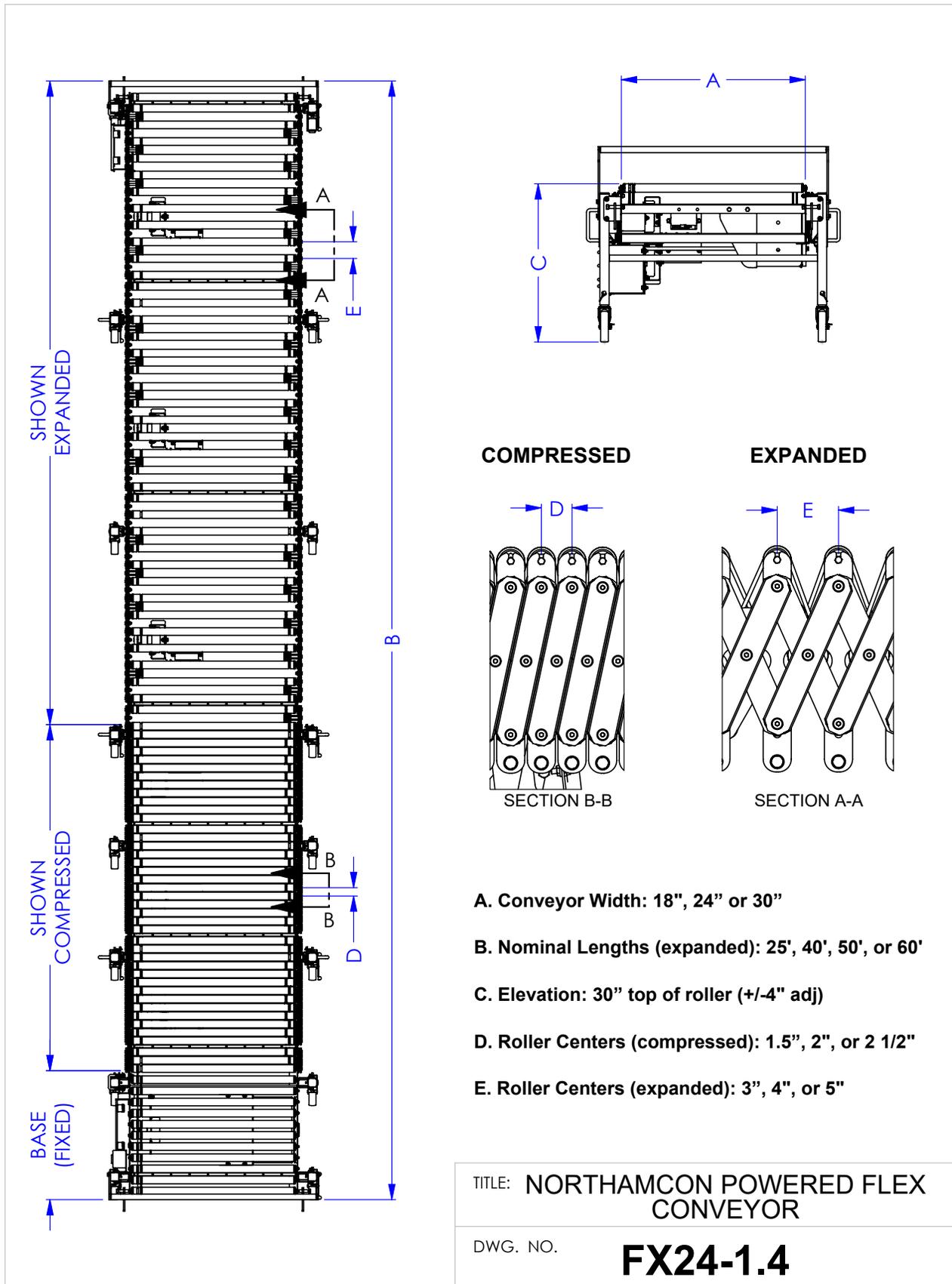

Accumulation Features:

- Motor driver cards contain internal accumulation logic
- Multiple release modes
- Run-On-Demand power savings
- Photo eye sensor array across full width in each zone
- Quick-connect RJ-12 communication cables
- Reverse mode is transportation only with package stop photoeye

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Powered Flex Conveyor

SHOWN EXPANDED

A

A

E

B

SHOWN COMPRESSED

B

B

D

BASE (FIXED)

A

C

D

E

COMPRESSED

EXPANDED

SECTION B-B

SECTION A-A

A. Conveyor Width: 18", 24" or 30"

B. Nominal Lengths (expanded): 25', 40', 50', or 60'

C. Elevation: 30" top of roller (+/-4" adj)

D. Roller Centers (compressed): 1.5", 2", or 2 1/2"

E. Roller Centers (expanded): 3", 4", or 5"

TITLE: NORTHAMCON POWERED FLEX CONVEYOR

DWG. NO. **FX24-1.4**