

THE EXPERT IN "PARTS MANAGEMENT SYSTEMS"

Steel Conveyor: Horizontal to Decline



The "Horizontal to Decline" belt conveyor series is a profile that is used for light- medium weight, finished part applications. This conveyor is ideally suited for beside the press applications to receive parts from an IMM press mounted robot and transition from one elevation to another for inspection or assembly or packaging. The angle of the decline is adjustable from 0-30 degrees for elevation changes. A belt with a sticky grooved top is used to grip parts. The fully welded frame construction of this model produces a solid square frame for industrial use.

Specifications:

Lengths available: 5.5' to 15' combined length increments on 1' lengths
Widths: 6" – 30" on 6" increments

Note: Special widths on 2" increments and special lengths on 6" increments are available.

Exclusive Series Features:

- Frame: Formed C-channel frame with welded cross members.
- Castings: Supports bearings and pulleys featuring a unique design for easy service and belt tracking adjustments.
- Side Rail Overlap: Recessed belt edges - .325" per side.
- Pulleys: Features a trapezoidal crown on head and tail pulleys, which provides an increased tracking signal.
- Motor Starter: Includes manual push button motor starter with thermal overload.
- Hole Pattern: Hole pattern pre-punched for repositioning leg supports along the entire frame length.
- Warranty: Two year limited.

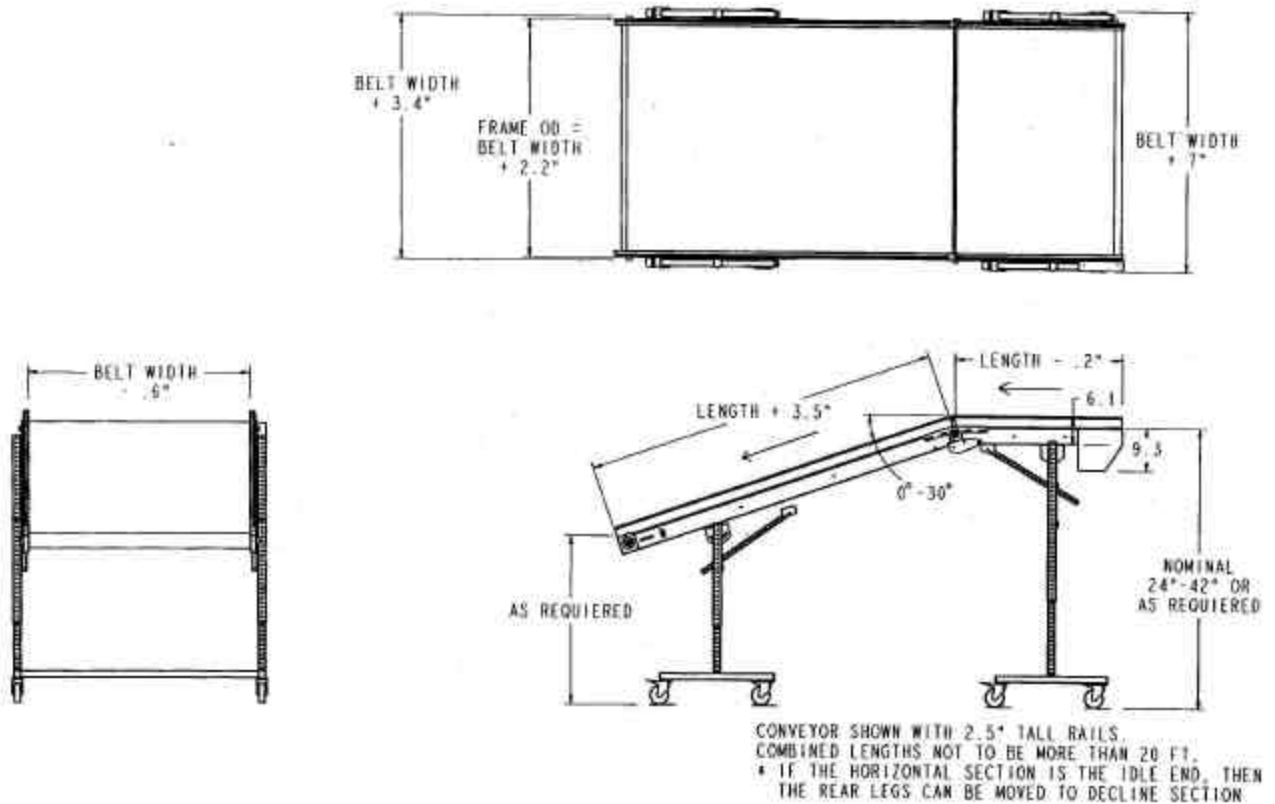
Common Options:

- Drive Motor Locations: For special fit requirements.
- Variable speed drives: AC and DC type variable speed drive packages for different input voltages.
- Robot Drop Area Guarding: Custom Robot Drop Zone Guarding, 3 and 4 sided with or without doors.
- Reversing Packages: Automatic processing reversing control packages.
- Indexing Packages: Automatic belt indexing packages.
- Side Rails: Alternative side rail height and materials.
- Covers for Top of Conveyors: Polycarbonate & stainless steel covers.
- Covers for Bottom of Conveyors: Bottom covers – painted steel and stainless steel.
- Conditioning Units: Ambient air blowers and chilled water fed cooling blowers.
- Many others...



1760 Kilkenny Court
Woodstock, IL 60098
Phone: 815-337-3000
Fax: 815-337-3020
E-mail: sales@macautomation.com
www.macautomation.com

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Technical Information

Frame:	3.5" height, 13 gauge welded C channel steel frame fabricated with welded steel tubular cross members, optional steel slider bed for support. Decline frame section is adjustable from 0-30 degrees.
Side Rails:	2.5" extruded aluminum side rails without top return, overlap is .325" per side.
Belt Type:	B11. Green PVC longitudinal cover, Anti-Static, splice is endless bias angle skive type.
Widths:	6", 12", 18", 24", and 30".
Lengths:	Combined Lengths to a max. of 15' (2' min on drive) and (2.5' min. on take-up end), manufactured in 1' increments (standard)
In-feed End Drive:	Located at discharge end, M1, M2, M3, M4 are standard. M9, M10, M11, M12 are available at no charge. Side drive positions M5, M6 are available. Positions M13, M14, M7, M8 are available (please consult factory) Standard drives are 120VAC/1/60 HZ motors.
Speeds:	22 FPM (standard), 45, 67, 133 FPM - available at a nominal charge.
Pulleys:	3" Drive & tail pulleys are both machined with trapezoidal crowns, shafts are 5/8" diameter and bearings are sealed self-aligning type, no lubrication required. Drive pulley is fully lagged.
Take-up Assembly:	for 2.5 inches of take-up of belt adjustment.
Electrical Controls:	NEMA 1 enclosure with push button manual motor starter with thermal overload protection and 12' of SJ 16/3 cord with plug for 120VAC input power as standard.
Support:	Steel telescoping T- supports are provided, please specify the required elevations
Paint:	MAC metallic Silver (other colors available as options).