3200 SERIES BACK LIT CONVEYOR

Special Capabilities Specification Sheet

975 Cottonwood Ave., PO Box 20, Hartland, Wisconsin 53029-0020, USA | www.dorner.com | info@dorner.com

BACK LIT CONVEYORS

A light fixture is installed inside the conveyor frame and emits light through a translucent belt.

- Provides enhanced contrast between product and conveyor belt for visual inspection and vision system interface.
- Parts can be stopped directly over the lighted section or continue through uninterrupted.
- Incorporates internal LED lighting for better efficiency, longer life, and less heat.

3200 Series Conveyor Specifications

- Aluminum Extruded Frame with T-slot Construction
- Sealed Ball Bearings
- V-guided and Non-V-guided Belt Compatible
- Rack and Pinion Belt Tensioning
- End and Center Drive Compatible
- Optional 20 mm DIA Roller Interface Tail Section
- Conveyor Widths: 3.75” to 24” wide (Wider widths available, consult factory)
- Conveyor Lengths: End Drive = 3' to 40' long, Center Drive = 4' to 99' long
- Belt Speeds: up to 421 ft/min
- Equipped with Dorner #53 Translucent Conveyor Belting (Other translucent belts available upon request)

 | Part Number 851-763 | Rev B.

LED Panel Specifications:

- Panel is edge-lit along both long edges
- .375 watts per linear inch of edge lighting
- 5300K white light (red, green, or blue light available upon request)

Electrical Specifications:

- 12 volt DC lights (24 volt DC available upon request)
- Power supply included (115 volt AC, 60 Hz input/12 volt DC output)
- Includes on/off switch and quick-disconnect power receptacle mounted to side of frame

Profiles:

- All 3200 Series profiles are applicable
- *See 3200 Series Engineering Manual 851-772 or www.dorner.com for details*

Belting:

- Dorner #53 belt (Other translucent belts available upon request)
- Belt must be finger spliced
- *See 3200 Series Engineering Manual 851-772 or www.dorner.com for details*

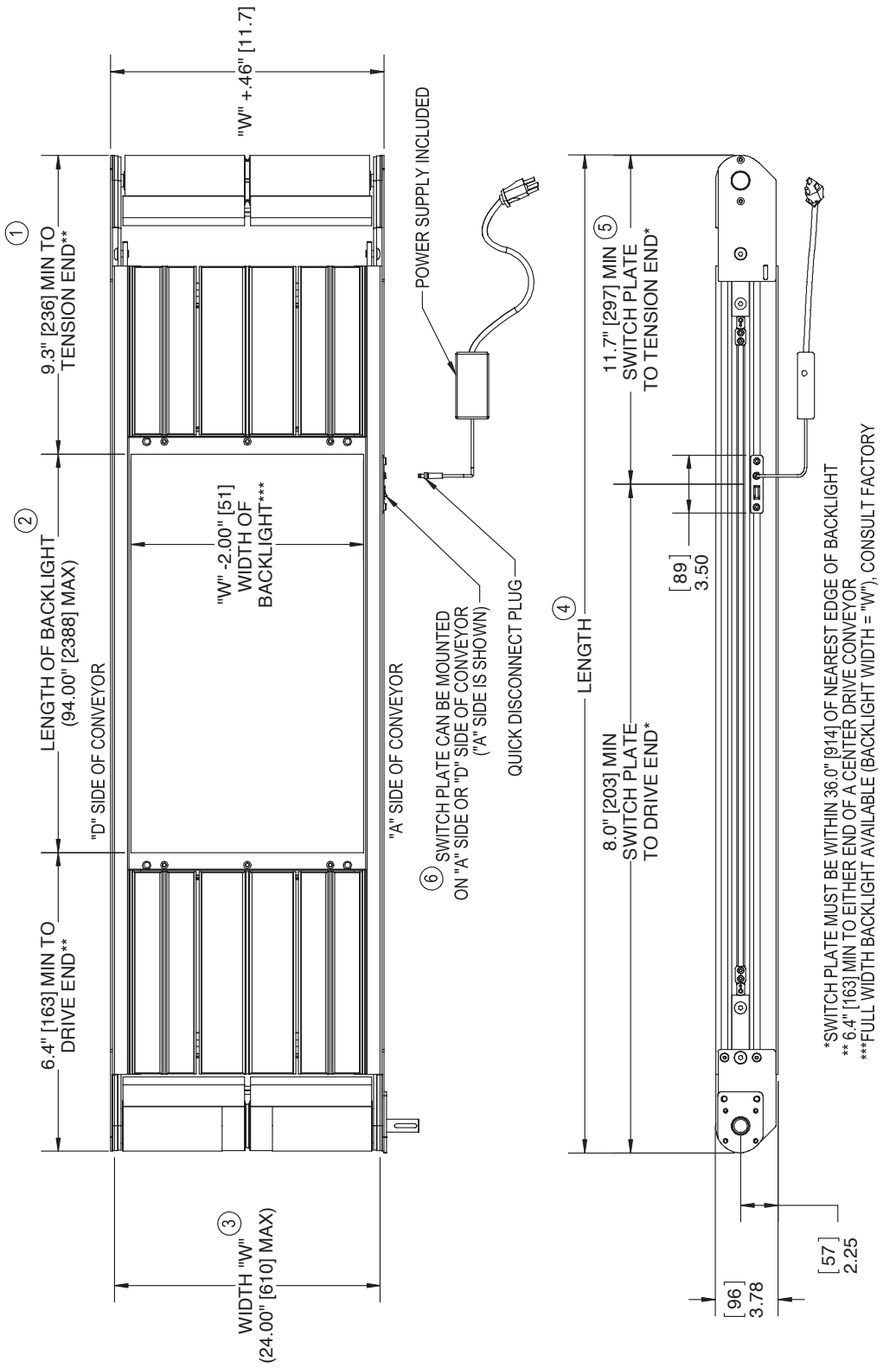
Mounting Packages & Gearmotors:

- All 3200 series mounting packages and gearmotors are applicable
- *See 3200 Series Engineering Manual 851-772 or www.dorner.com for details*

Support Stands:

- All 3200 Series support stands are applicable
- *See 3200 Series Engineering Manual 851-772 or www.dorner.com for details*

Dimensions & Back Lit Layout



SPECIFY THE FOLLOWING DIMENSIONS WHEN REQUESTING QUOTE:

① DISTANCE FROM TENSION END (INFEED END FOR CENTER DRIVE) _____

② LENGTH OF BACKLIGHT _____

③ WIDTH OF CONVEYOR _____

④ LENGTH OF CONVEYOR _____

⑤ SWITCH PLATE DISTANCE FROM TENSION END _____

⑥ SWITCH PLATE LOCATION ("A" SIDE OR "D" SIDE) _____

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REQUEST FOR QUOTE

FAX COMPLETED FORMS TO 800.369.2440 or 262.367.5827
or email directly to your team or customerservice@dorner.com

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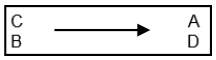
www.dorner.com | info@dorner.com

Contact Name:		Project Name:	
Company Name:		DTools Cong #:	
Email:		Phone:	
Address:			

The Basics

	Conveyor 1	Conveyor 2	Conveyor 3
Belt Widths			
Conveyor Lengths			
Drive Position (side, bottom, top, center)			
Drive Location (C & B reduce load capacity 66%) 			
Belt Requirements (Flat or Cleated) (if unsure, describe application)			
Cleat Height (if needed) (see catalog for types)			
Cleat Spacing (if needed)			
Profile / Guiding type (see catalog)			
Top of Belt Heights from Floor (if stands are required) (Infeed and Outfeed)			
Belt Speed (fixed/variable) (Feet per Minute) or (Parts per Minute)			
For Variable Speed: DC or VFD?			
Input Voltage / Phase / HZ			
Stands Needed? Casters or Fixed Feet?			
Curves and LPZ models: attach a sketch with critical dimensions.			
Maximum load on conveyors			
Will parts accumulate? (Stop while belt continues to run)			
Describe how the products are presented to & discharged from conveyor			

The Product

Product Description (shape, material, unique features, sharp edges, fragile, etc)			
Product Dimensions & orientation on the belt			
Part Temperature			
Part Weight			

The Environment

Room temperature or operating temperature near conveyor, if unusual			
Describe any chemicals, lubricants, etc. to contact conveyors?			
Wash down or wipe down? High pressure? (Over 60 psi)?			

 | Part Number 851-820 Rev A | D.O.

Application Description / Additional Information

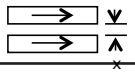
	Conveyor 1	Conveyor 2	Conveyor 3
Enter any other pertinent information here			

Common modifications and additional information needed.

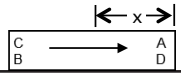
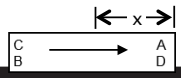
Magnetic & Vacuum Conveyors

How are products presented to the conveyor?			
How are products to be removed from conveyor?			
Angle of incline/decline, if any?			
What function is the conveyor expected to perform?			
Are product samples available for testing?			
Specific zone length requirements?			
What forces must the magnets or vacuum resist?			

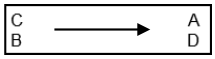
Common Drive Conveyors

Size of free & clear gaps required between conveyors 			
Quantity of conveyors to be common driven			

Backlit Conveyors

LED light source type (light color, brightness, etc)			
Zone length			
Zone location along conveyor length from tension end 			
Switch plate location (must be within 12" of the light) 			

Additional Output Shaft

Position on conveyor (A, B, C, D) 			
Required shaft dimensions			
How is shaft to be used?			

Guiding

Height from top of belt			
Required width for product			
Lane spacing (if any)			
Material requirements			
How is guiding to be used (create simple lanes, product positioning, etc) ?			

Metal Free Zone Conveyors

Length of zone			
Why is zone needed (metal detection, X-Ray, etc)			

Complex Projects

For sophisticated projects, please provide as much of the following information as possible.			
Layout drawings			
Process / sequence of operation descriptions			
Control requirements			
Machine interface needs			
Sample products			
Factory acceptance test requirements			
Installation requirements			

Contact Name:		Project Name:	
Company Name:		DTools Cong #:	
Email:		Phone:	
Address:			

