



## DYNACO D-501 HIGH PERFORMANCE DOOR

**Push-Pull**  
gear driven technology



**interior door**

[www.dynacodoor.us](http://www.dynacodoor.us)

# DYNACO D-501 HIGH PERFORMANCE DOOR

The DYNACO D-501 is designed for interior applications to 324 ft<sup>2</sup> providing safe and reliable high cycle operation.

Patented push-pull technology and advanced 1-piece belt design offers superior performance in moderate pressure environments while enhancing energy savings and reducing maintenance. Ultra quiet high-speed operation combined with soft curtain design improves traffic flow and increases safety for users and goods.

## ■ DOOR OPERATION

Gear driven 1-piece belt push-pull system eliminates rigid and damage prone components and provides high speed closing, even under pressure.

## ■ PATENTED GUIDE AND SEAL TECHNOLOGY

Galvanized steel guides with pivoting, spring loaded UHMW inner side guides allow for movement and deflection under pressure. The inner profile perfectly encapsulates the curtain drive belt, forming a near perfect seal.

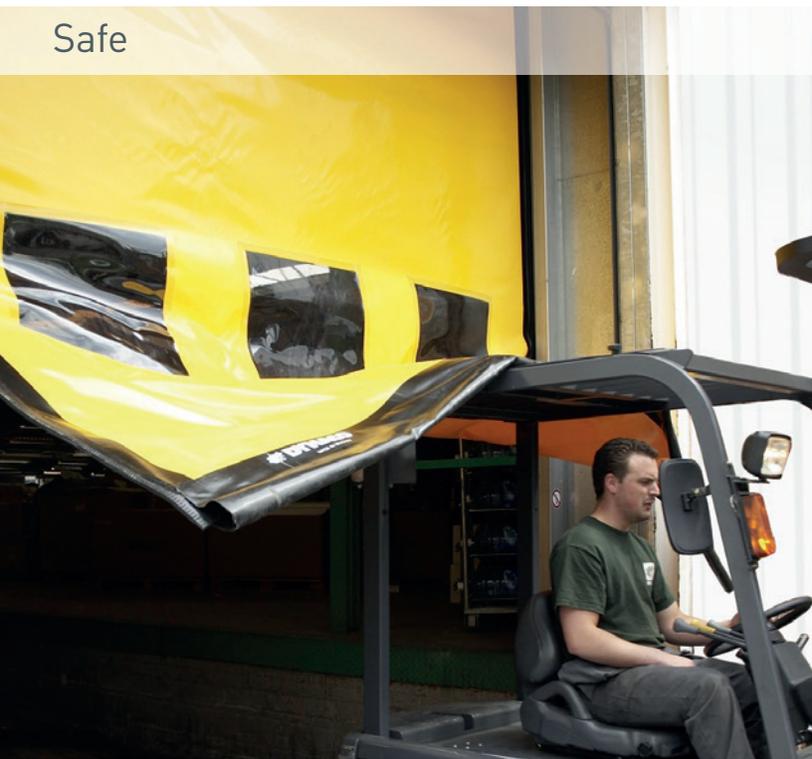
## ■ SAFETY ENGINEERED

The door panel is constructed from a selection of soft, pliable UV and puncture resistant materials, which protect workers, equipment and products against 4 different types of accidents. Additional safety features include a wireless reversing edge and built-in thru-beam photo-eyes.

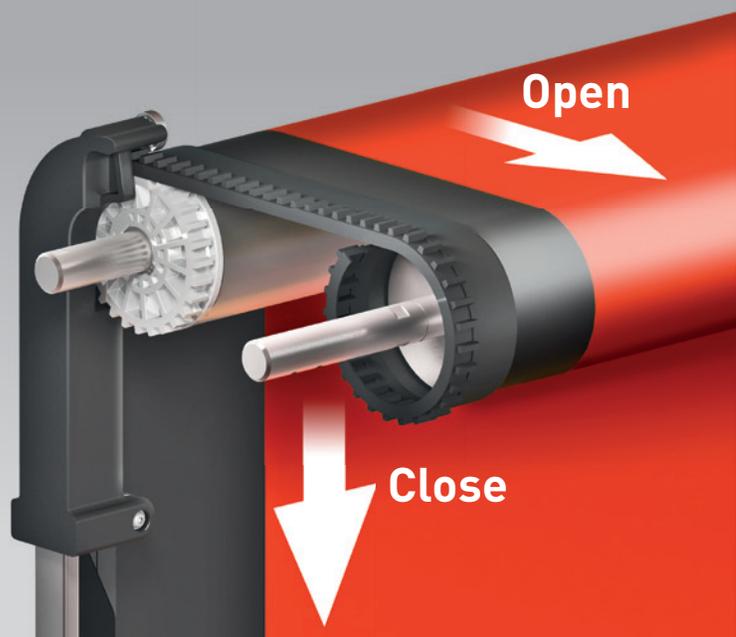
## ■ ADVANCED DRIVE AND CONTROL

IP65 rated direct drive unit with soft start/stop technology, absolute encoder and electronic braking for smooth operation. Our DYNALOGIX II controller is user friendly and provides self-diagnostic and programming functions for reliable, safe and productive environments.

Safe



Patented "PUSH-PULL" Drive technology



# Push-Pull

gear driven technology



## interior door

### ■ HIGH SPEED OPERATION

Depending on door size operation speeds up to 96" per second opening and standard 48" per second close provide energy savings, environmental control and workflow productivity.

### ■ WARRANTY

An industry leading 5 year warranty on the drive motor and 5 year warranty on manufacturing defects on the curtain. One year on balance of components.

### TECHNICAL SPECIFICATIONS

<b>Standard door dimensions</b>	Minimum: 6'W x 6'H Maximum: 18'W x 18'H
<b>Operating speed</b>	Up to 96" per second open 48" per second close standard
<b>Safety features</b>	Wireless reversing edge and built-in infrared sensors, no coil cords.
<b>Door panel</b>	27oz reinforced PVC vinyl, with your choice of color and vision. Optional Dynalumin daylight fabric available.

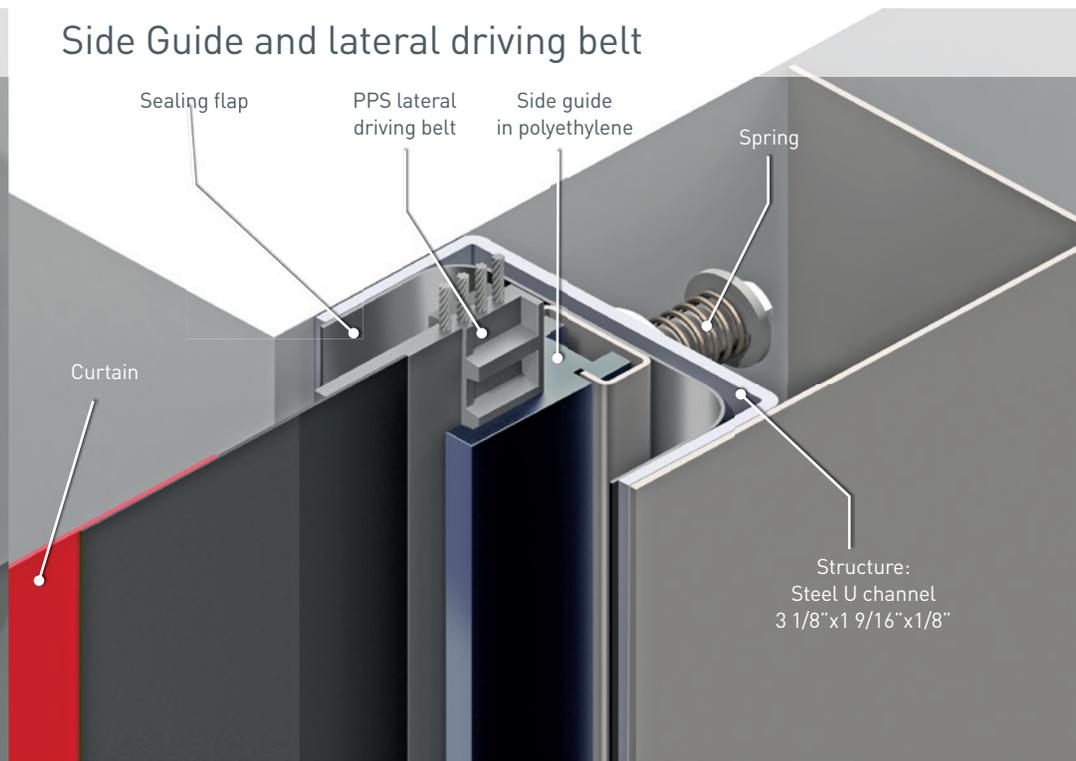
### TECHNICAL SPECIFICATIONS

<b>Wind resistance</b>	Resists static pressure of 14.62psf; width over 13' to resist 9.9psf.
<b>Door components</b>	Direct Drive Unit. Side frames constructed of structural channels of 3 1/8" x 1 9/16" x 1/8" galvanized steel. Inner guides in polyethylene (PE-UHMW 1000).
<b>Control and drive System</b>	UL approved control system housed in NEMA 4 enclosure. DYNALOGIX II controller with variable frequency drive and high resolution encoder. Voltage: 208-240 VAC, 480 VAC, 575VAC. Motor 2HP, 3ph, 60Hz. Protection degree NEMA 4.
<b>Optional egress safety systems</b>	Patented Emergency Egress Systems or battery backup available. Limited to 208/1/60 or single phase.

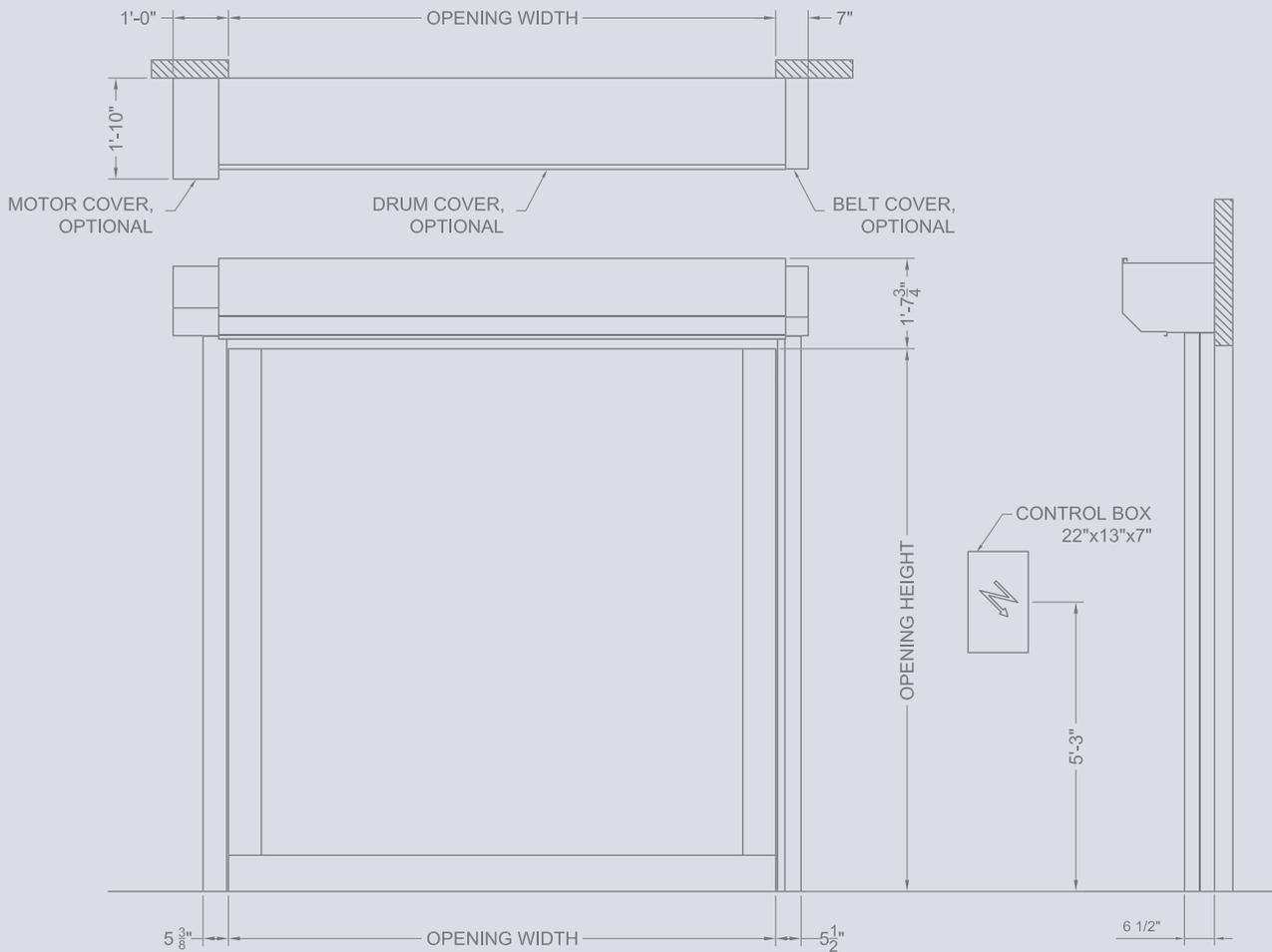
### Increased wind resistance



### Side Guide and lateral driving belt



# Dimensions and installation requirements DYNACO D-501 HIGH PERFORMANCE DOOR



All indicated dimensions are minimum space requirements for installed door.  
Note: Based upon individual environmental safety considerations, extra safety components such as push buttons, detectors and covers may be required.

Founded in 1987, the Dynaco brand has a strong heritage and a wealth of expertise in high performance doors. Dynaco is committed to achieving excellence in quality and performance through a certified and dedicated network of partners, providing outstanding service to our customers. Dynaco offers a comprehensive range of products for industrial, commercial, and institutional applications, including high-performance doors. Built on nearly 200 years of accumulated expertise, Dynaco is the preferred partner of distributors and the number one choice of end user customers, providing innovative products, technical expertise and a portfolio of industry-leading brands.

The Dynaco products are protected by worldwide registered patents. As part of its policy of continuous product development, Dynaco reserves the right to change the characteristics of its products or components without prior notice.  
Disclaimers: For a correct use of our products, please refer to our manual. Everything that is mentioned in this brochure is only valid under the terms of use in the user manual and on condition that the door was properly installed and maintained and has not undergone abuse nor neglect.

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