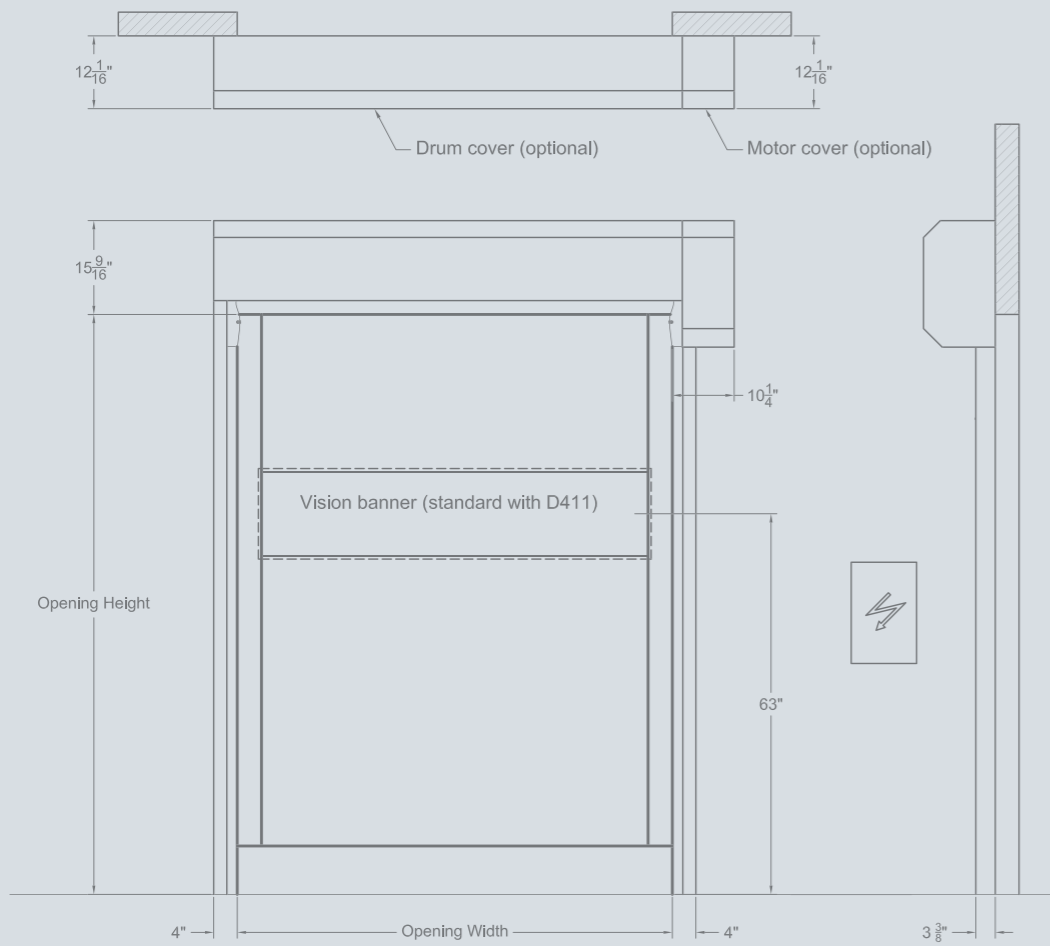




## Dimensions and installation requirements DYNACO D-411/421 HIGH PERFORMANCE DOOR



All indicated dimensions are net: the space necessary for mounting and maintenance has to be provided.  
REMARK: based on the risk analysis of the environment, extra push buttons, detectors and covers might 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.

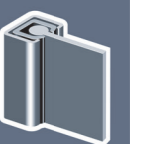
The Dynaco products are protected by worldwide registered patents. As part of its policy of continuous product development, Dynaco reserves the right to change the characteristics of its products or components without prior notice.  
Disclaimers: For a correct use of our products, please refer to our 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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# DYNACO D-411/421 HIGH PERFORMANCE DOOR

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

**Gravity  
driven**  
low friction technology



interior door



# DYNACO D-411/421 HIGH PERFORMANCE DOOR

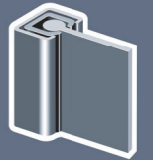
DYNACO D411/421 doors incorporate new and enhanced features providing better environmental control, efficiency and lower life cycle cost than competitive products. Appropriate for interior applications, the door will resist static wind pressure to 9.4 lbs./ft<sup>2</sup>. The doors incorporate unique DYNACO innovations including; "soft curtain" technology, fully automatic re-insertion, industrial quality controls and low friction encapsulated edge retention

Available in nine standard colors and with additional vision and fabric options, the DYNACO D-411/421 will compliment your building architecture while providing maximum efficiency, safety and reliability.

- SIMPLE DESIGN**  
 Wind ribs, bottom bar components and wear prone weather strip systems are eliminated!
  - Enhances reliability – reduces maintenance.
  - Allows for higher speeds and wind resistance.
- EDGE RETENTION:**  
 Continuous end locks disperse pressure along full height of door.
  - Eliminates vibration, weight and safety issues associated with rigid components.
  - Reduces or eliminates "curtain rise" due to pressure.
  - Eliminates point-loaded pressure, providing smoother operation.
- SEAL QUALITY:**  
 Encapsulated curtain edge is inherently tighter than open channel designs.
  - Wear prone conventional seals are eliminated.
  - Seal is good for life of door.
- SIDE GUIDE:**  
 High strength – wear resistant UHMW inner guide.
  - Provides reduced friction operation.
  - Spring loaded and pivoting action deflects under pressure.
  - Low cost to repair or replace.
- PATENTED RE-INTRODUCTION:**  
 Provides smooth, reliable curtain insertion.
  - No manual intervention regardless of direction of impact.
  - Reinsertion on open cycle is more reliable under pressure.
- CONTROL SYSTEM:**  
 Industrial quality with separate VFD and controller:
  - Easy and cost effective to troubleshoot and maintain.
  - No costly to replace "all inclusive printed circuit board" controllers.
- SAFETY:**  
 Soft curtain technology prevents lateral and downward accidents.
  - Flexible in all directions

**Gravity driven**  
low friction technology

interior door



## CHARACTERISTICS US CHARTS

Technical specifications	
<b>Door dimensions</b>	Minimum: 3'4" W x 3'4"H Maximum: 14'W x 14'H
<b>Operating speed</b>	78" per second open 24" per second closing
<b>Curtain Material</b>	27 oz. per square yard fiber reinforced PVC
<b>Vision Panels</b>	15" height, full width banner (optional on D-421)
<b>Power</b>	Single phase 208-230 VAC, Three phase 208-230 VAC, 480 VAC, 575VAC.
<b>Control Box</b>	Includes DYNALOGIX 4000 solid state control board, variable frequency drive, absolute encoder, 24V DC parking brake, fused rotary disconnect, E-stop button, open/close push button. NEMA 4 rated.

## CHARACTERISTICS US CHARTS

Technical specifications	
<b>Motor</b>	Motor 1HP (2HP large doors, 421 and 575 VAC). Protection degree IP65/NEMA 4.
<b>Detectors</b>	Wireless Detection Device in curtain bottom; photo sensors in side guides; anti-roll switch
<b>Door Components</b>	Side frames constructed of structural channels of galvanized steel. Inner guides in polyethylene (PE-UHMW 1000).
<b>Static Wind Load</b>	D-411: 6.3psf – 50 mph D-421: 9.4psf – 60 mph

Control box



Soft bottom



Side guides

