

CLEANROOM M2 HIGH SPEED DOORS

CRASH FORGIVING & AUTOMATICALLY RE-INSERTING



CLEANROOM M2
HIGH SPEED DOORS

Designed for interior environments.

*DYNACO is a unique “patented” concept offering:
The safest, fastest, best sealing doors, with the
lowest maintenance cost in the industry.*



CLEANROOM M2 Designed for interior environments.

Maximum standard dimensions: W 18' x H18'

Designed for an interior environment type cleanroom class 10.000 to 100.000 (according to Fed/Std 209 E) demanding a limitation of the leak flow at a difference in pressure up to 0,82 lbs/sq ft. (drafts of 19 MPH indicative, not including any multiplication coefficients taking into account the configuration of the building).

Resists and operates under pressures up to:

Width (ft.)	UP TO 7'	8'	9'	10'	11'	12'	13'	14'	15'	16'	17'	18'
Pressure (lbs./sq.ft.)	23.89	20.90	18.58	16.72	15.20	13.93	12.86	11.94	11.15	10.45	9.84	9.29
Wind speed* (mph)	95	90	85	80	75	72.5	70	67.5	65	63.5	62	60

*Wind speed is indicative, not including any multiplication coefficients taking into account the configuration of the building.

DESCRIPTION

STANDARD OPERATING SPEED: 48"/sec. Optional speeds up to 96"/sec. upon request depending on door size.

OPERATING TYPE: gear driven, push-pull movement.

SIDE GUIDE made of structural channels or 3 1/8" x 1 5/8" x 1/8" in steel + frame cover or 3 1/8" x 1 5/8" x 0.078" in stainless steel (optional).

INNER SIDE GUIDE in polyethylene (PE-UHMW 1000); outer section 7/8" x 1 9/16" fixed at the base of structural channels with closed nuts, without springs. The design provides a tight superior seal for demanding cleanroom applications.

SIDE GUIDE COVERS in galvanized steel included.

DRUM in steel, diameter 4" x 0.078"; shafts in steel. Shafts and flanges are welded interior and exterior of the drum.

DOOR CURTAIN in very resistant PVC (27 oz/sq.yd). Available in different colors and provided with side sealing zippers (section 5/8" x 1/2"). The soft bottom edge design is completely enclosed and hermetically sealed for ease of cleaning.

MOTOR without brake, with 4 poles, controlled by a variable speed drive. Power: 1 HP for a door surface up to 12 sq.yds; 2 HP (larger surface). Protection degree NEMA 4.

GEARBOX size 50 for a motor of 1 HP and gear reduction ratio 1/7; size 63 for 2 HP.

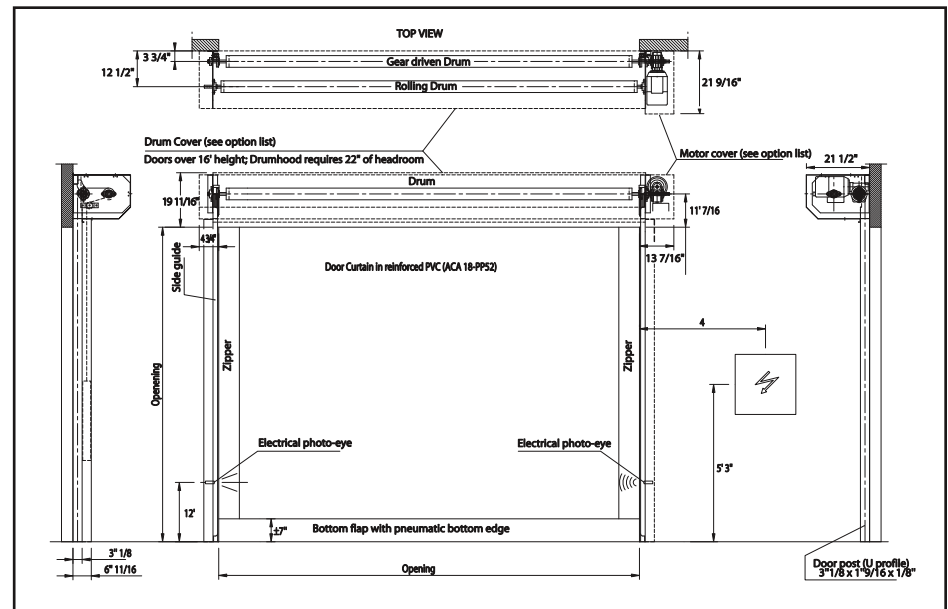
DETECTORS: An infrared photocell, installed inside the frame and detecting the presence of a pedestrian or a vehicle, immediately opens the door and keeps it open as long as the presence is detected. Height of the photocell: 12" from the floor. (Optional: up to maximum 24" upon request).

A bottom edge detector opens the door when it hits an obstacle during the closing cycle. This detector is positioned at the bottom part of the curtain.

POWER SUPPLY: Standard: single phase 208-230 VAC, three phase 208-230 VAC, three phase 460 VAC. Optional: three phase 575 VAC. Frequency: 50-60 Hz. Fuses to be provided by the customer: 10A for a motor of 1HP and 16A for 2HP.

SPACE REQUIREMENTS:

All indicated dimensions are net: the space necessary for mounting and maintenance has to be provided. Reduced dimensions: upon request.



Within the framework of its policy of continuous development of its products, DYNACO reserves the right to modify the characteristics of its products and parts without prior notice.



The Leader in Door Safety and Design



DYNACO USA Order Form

DYNACO CLEANROOM M2 DOOR

TECHNICAL INFORMATION	<u>Door location:</u>		<u>Motor side:</u> Ed01 <input type="checkbox"/> Left Ed02 <input type="checkbox"/> Right	
	Door size: Width: ____ft ____In Height: ____ft ____In Head room clearance: ____ft ____In Special instruction: _____ <input type="checkbox"/> Application for cold storage <input type="checkbox"/> Application for wet environment	<u>Power:</u> Fd00 <input type="checkbox"/> 1 x 110V Fd01 <input type="checkbox"/> 1 x 208V Fd01 <input type="checkbox"/> 1 x 230V Fd02 <input type="checkbox"/> 3 x 208V Fd02 <input type="checkbox"/> 3 x 230V Fd03 <input type="checkbox"/> 3 x 460V Fd04 <input type="checkbox"/> 3 x 575V+Line Load Reactor		<u>Color:</u> Ee00 <input type="checkbox"/> Brown Ee01 <input type="checkbox"/> Grey Ee02 <input type="checkbox"/> Red Ee03 <input type="checkbox"/> Green Ee04 <input type="checkbox"/> White Ee05 <input type="checkbox"/> Yellow Ee06 <input type="checkbox"/> Blue Ee07 <input type="checkbox"/> Orange Ee08 <input type="checkbox"/> Black
			<u>Special Curtain request:</u> Fi15 <input type="checkbox"/> Fire rated curtain material Fi16 <input type="checkbox"/> FDA approved curtain material Fi17 <input type="checkbox"/> Logo <input type="checkbox"/> Egress Curtain	

MECHANICAL	<u>Covers:</u> <input type="checkbox"/> Frame cover galvanized (St) <input type="checkbox"/> Frame cover Stainless <input type="checkbox"/> Frame cover powder coat <input type="checkbox"/> Motor cover galvanized <input type="checkbox"/> Motor cover Stainless <input type="checkbox"/> Motor cover powder coat <input type="checkbox"/> Drum cover galvanized <input type="checkbox"/> Drum cover Stainless <input type="checkbox"/> Drum cover powder coat <input type="checkbox"/> Fore frame galvanized <input type="checkbox"/> Fore frame painted			
	<u>Vision:</u> <input type="checkbox"/> ____ Individual window(s) <input type="checkbox"/> ____ Window banner(s) <input type="checkbox"/> ____ Bug screen window(s) <u>Positioning:</u> First row: Ee09 <input type="checkbox"/> Custom height: _____ Multiple rows: Ee10 <input type="checkbox"/> Heights: ____ft & ____ft & ____ft			

ELECTRICAL	<u>Control box type:</u> Fg04 <input type="checkbox"/> Steel Fg02 <input type="checkbox"/> Stainless Fg07 <input type="checkbox"/> Custom			
	<u>Photocell (in side guide):</u> <input type="checkbox"/> Standard height (12") Ef01 <input type="checkbox"/> Other height: ____ft Fi01 <input type="checkbox"/> Additional photocell			
	<u>Electrical options:</u> Fi01 <input type="checkbox"/> Additional photocell Fj12 <input type="checkbox"/> Info door open Fj13 <input type="checkbox"/> Info door closed Fj01 <input type="checkbox"/> Airlock/Interlock Fh03a <input type="checkbox"/> Flashing light Fj18 <input type="checkbox"/> Delay before opening Fj24 <input type="checkbox"/> Info door running Fgx <input type="checkbox"/> Extended cable: ____ft Fj04 <input type="checkbox"/> Traffic lights Fj19 <input type="checkbox"/> Delay before closing Fj12 <input type="checkbox"/> Info door not open			

REMOTE ACTIVATION	G11 <input type="checkbox"/> Open push button G17 <input type="checkbox"/> Mushroom Button G25 <input type="checkbox"/> Open/close/stop button		
	<u>Radar:</u> G56 <input type="checkbox"/> Falcon (Nema 4) G54 <input type="checkbox"/> Bracket in galvanized steel G57 <input type="checkbox"/> Remote control (BEA) G55 <input type="checkbox"/> Bracket in stainless steel		
	<u>Remote Control:</u> G41 <input type="checkbox"/> Receiver G42 <input type="checkbox"/> 1 channel transmitter G43 <input type="checkbox"/> 2 channel transmitter G44 <input type="checkbox"/> 4 channel transmitter		
	<u>Other Commands:</u> G31 <input type="checkbox"/> Pull cord G71 <input type="checkbox"/> Infrared photocell G32 <input type="checkbox"/> Supplementary cord ____ft G61 <input type="checkbox"/> Loop detector		

REMARKS	
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DYNACO. THE SAFEST CHOICE

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DYNACO USA Order Form

Customer:

Door Reference:

Production Number:

GENERAL INFO

Invoice address (customer or DYNACO Dealer) :

COMPANY: Phone:
Contact name: Fax:
Address:
City: State: Zip Code:

END USER INFO

End user (if not the same as the invoice address) :

COMPANY: Phone:
Activity:
Contact name: Fax:
Address:
City: State: Zip Code:

DELIVERY INFO

Delivery address (if not the same as the end user address) :

COMPANY: Phone:
Contact name: Fax:
Address:
City: State: Zip Code:

INSTALLATION

Installation (if not by DYNACO Dealer) :

COMPANY: Phone:
Contact name: Fax:
Address:
City: State: Zip Code:

TIMING

Expected installation date:

Expected delivery time:

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