

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.

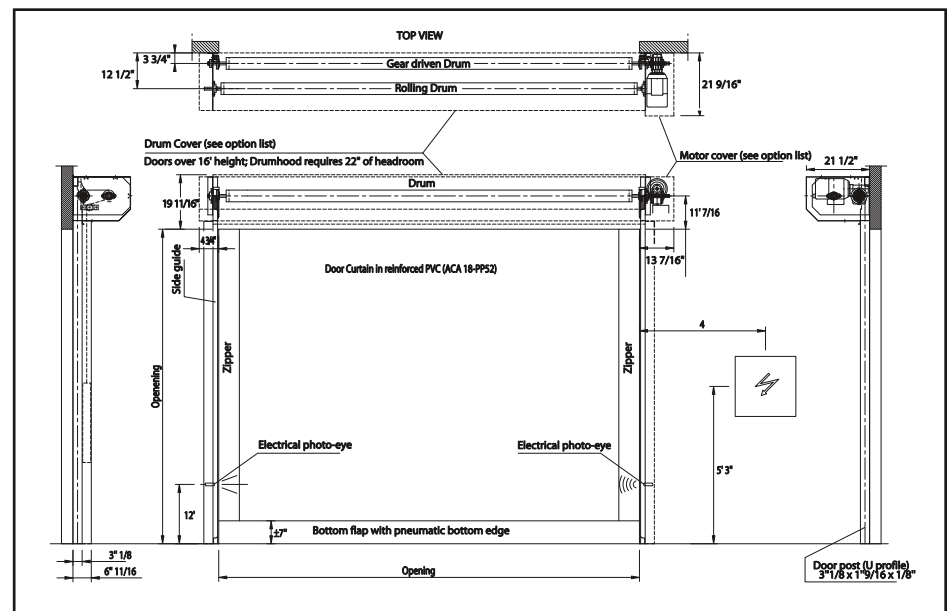
DETECTORS: An infrared photocell, installed inside the frame and detecting the presence of a pedestrian or a vehicle, immediately opens the door and keeps it open as long as the presence is detected. Height of the photocell: 12" from the floor. (Optional: up to maximum 24" upon request).

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