

# **FREEZER M2** HIGH SPEED DOORS

CRASH FORGIVING & AUTOMATICALLY RE-INSERTING



**FREEZER M2**  
HIGH SPEED DOORS

**Designed for interior and exterior use.**

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



# **FREEZER M2** Designed for interior and exterior environments.

Maximum standard dimensions: W 15' x H15'

Designed for interior and exterior environments where cold storage with negative temperatures to as low as  $-22^{\circ}\text{F}$  are required. The door comes with an automatic cycle mode to maintain door operation in freezer applications. The control box should be mounted on the warm side, but optional cold side mounting is available.

## **DESCRIPTION**

**OPENING SPEED:** 96"/sec.

**CLOSING SPEED:** 48"/sec.

**OPERATING TYPE:** gear driven, push-pull movement.

**SIDE GUIDE** made of structural channels of  $3\frac{1}{8}'' \times 1\frac{5}{8}'' \times \frac{1}{8}''$  in galvanized steel. Protected by a layer of polyethylene in order to create a thermal barrier between the door frame and the structure of the building. Provided with heating-cables which prevent ice formation and assures the proper functioning of the door. **Warning:** in spite of the presence of heating-cables, in some applications an accumulation of ice may occur. For safety reasons, removal of the ice on the door and the floor may be required.

### **AIR CIRCULATION UNIT (optional)**

Can be mounted within the head unit to reduce frost and ice formation.

**INNER SIDE GUIDE** in polyethylene (PE-UHMW 1000); outer section  $7/8'' \times 1\frac{9}{16}''$ , spring loaded, includes heating-cables which prevent ice formation within the side guides.

**SIDE GUIDE COVERS** in galvanized steel included.

**DRUM** in steel, diameter 4" x 0.078", shafts in steel.

**DOOR CURTAIN** in reinforced PVC (27 oz/sq.yd). Available in different colors and provided with stainless steel side sealing zippers (section  $5/8'' \times \frac{1}{2}''$ ); soft bottom edge design.

**MOTOR** without brake, with 4 poles, controlled by a variable speed drive. Power: 2 HP. Protection degree NEMA 4.

**MOTOR COVER** in galvanized steel included.

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

**DETECTORS:** An infrared photocell installed inside the side guide and detecting the presence of a pedestrian or a vehicle. Upon activation, it opens the door immediately and keeps it open as long as the presence is detected.

Height of the photocell: 12" from the floor. (Optional: up to maximum 24" from the floor).

A detector within the side guides reverses the door when it hits an obstacle during the closing cycle.

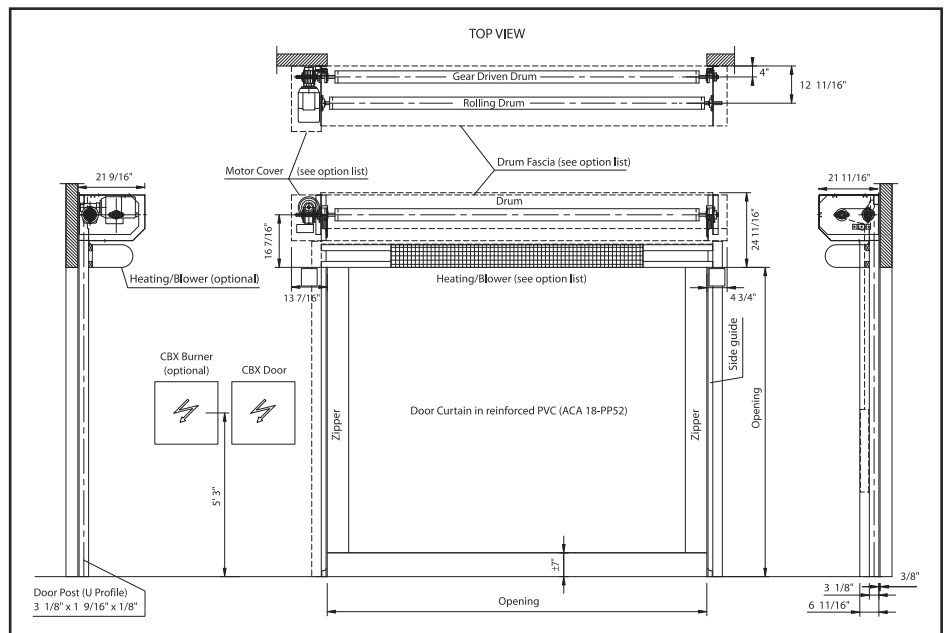
### **POWER SUPPLY:**

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: 25 A for a motor of 2HP.

### **SPACE REQUIREMENTS:**

All indicated dimensions are net: the additional space necessary for mounting and maintenance has to be taken into account. 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 FREEZER M2 DOOR

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

|                   |  |  |  |
|-------------------|--|--|--|
| <b>MECHANICAL</b> | <u>Covers:</u><br><input type="checkbox"/> Side guide cover galvanized (St) <input type="checkbox"/> Side guide cover Stainless <input type="checkbox"/> Side guide cover powder coat<br><input type="checkbox"/> Motor cover galvanized <input type="checkbox"/> Motor cover Stainless <input type="checkbox"/> Motor cover powder coat<br><input type="checkbox"/> Drum fascia galvanized <input type="checkbox"/> Drum fascia Stainless <input type="checkbox"/> Drum fascia powder coat<br><input type="checkbox"/> Fore frame unpainted <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)<br><br><u>Positioning:</u> First row: Ee09 <input type="checkbox"/> Custom height: _____<br>Multiple rows: Ee10 <input type="checkbox"/> Heights: _____ft & _____ft & _____ft   |  |  |

|                   |   |  |  |
|-------------------|---|--|--|
| <b>ELECTRICAL</b> | <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")      E101 <input type="checkbox"/> Other height: _____ft<br>Fi01 <input type="checkbox"/> Additional photocell: _____  |  |  |
|                   | <u>Electrical options:</u><br>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<br>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<br>Fj04 <input type="checkbox"/> Traffic lights      Fj19 <input type="checkbox"/> Delay before closing      Fj12 <input type="checkbox"/> Info door not open |  |  |

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

|                |  |
|----------------|--|
| <b>REMARKS</b> |  |
|----------------|--|

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**DYNACO. THE SAFEST CHOICE**

DYNACO USA, Inc  
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Web: www.dynacodoor.us  
E-mail : dynaco@dynacodoor.us



# 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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