

SPEC SHEET

Fabric Doors

M2 Freezer Door



DESCRIPTION:

Limit Cold Air Loss and Save Energy Costs:

Quickly move people and products in and out of your freezer room with the DYNACO Freezer M2 high performance door. The superior seal minimizes temperature loss and temperature variation to save energy and costs.

Limit condensation and ice build-up with an optional insulation curtain mounted on the high performance freezer door that produces an additional barrier to keep warm temperatures out and cold temperatures in.

Reduce Downtime and Save Costs:

Avoid the downtime of de-icing with our heated side guides and optional insulated curtain and defrost system. Reduce maintenance downtime with the self-reinserting door curtain that ensures reliability and durability.

Standard soft curtain design prevents hard edge accidents. No rigid bottom bars to injure workers or damage equipment.

GENERAL INFORMATION: Engineered specifically for freezer applications, the Dynaco M2 Freezer door provides the industry's fastest return on investment and lowest life cycle cost. This energy saving door system minimizes convection, conduction and

infiltration energy loss. Faster cycle speeds (up and down), an insulated curtain (optional) and tighter seals around the perimeter reduce loss of cold air. All of this is accomplished without compromising speed or safety.

WARRANTY: 5 year unlimited cycle warranty on the motor, and the curtain material (against manufacturers defects); one year warranty on the door.

Standard Features

Fast Speed

Significantly reduces energy costs due to lost temperature control; dramatically improves productivity and safety

Insulation

An insulated door curtain consisting of two layers of PVC filled with insulating material can be specified to reduce convection

Tight Seal

On all four sides of the opening minimizes infiltration, inhibits water, dust, pests and other contaminants

Air Curtain

The addition of an optional air blower can reduce condensation and frost buildup on the door panel, and can be set to blow ambient or heated air

Door Controls

Variable frequency drive provides smooth operation, rated to cycle 6,000 times per day and lasting millions of cycles. NEMA 4 rated enclosure with LCD screen, rotary disconnect, push button, and E-stop button.

Cost of Ownership

Efficiently engineered to require fewer and less expensive components

TECHNICAL SPECIFICATIONS

Dimensions	3'w x 7' h (21 sq ft) Max: 10'w x 14'h (140 sq ft)	
Operating Speed	Opening: 96"/second, Insulated Curtain: 85"/second Closing: 48"/second, Insulated Curtain: 70"/second	
Perimeter Seal	.046 air gap	
Air Curtain	3,300 CFMS (option/retrofitable)	
Curtain Material	Standard: 27 oz/sq yd fiber reinforced PVC, Insulated Curtain: 2-ply PVC with insulation	
Vision Panels	Standard: 24" square, 15" banner Insulated Curtain: 10" banner	
Color Choices	Yellow (RAL1003) Red (RAL3000) Brown (RAL8017) Grey (RAL7038) Black (RAL9005)	Orange (RAL2004) Blue (RAL5002) Green (RAL6005) White (RAL9010)
Power	Single Phase: 208 - 230 VAC Three phase: 208-230 VAC; 460 VAC; 575 VAC	
Control Box	Includes Dynalogix 4000 solid state control board, variable frequency drive, absolute encoder, LCD screen, dynamic braking, fused rotary disconnect, E-stop button, open/close push button. NEMA 4 rated	
Motor	Direct drive, IP65 rated with dynamic braking	
Detectors	Wireless Detection Device in curtain bottom; photo sensors in side guides	
Activation	Two IS40 motion/presence detectors; One remote control programmer; additional alternative devices optional	

Standard Features

(cont.)

Safety Engineered

Safety Is No Accident at Entrematic and it is not an option either. Our patented truly soft bottom edge and automatic self-reinserting system has provided an exemplary product safety record.

Additional Options

Fully customizable:

- Voltage
- control box
- special functions
- audible signals
- visual signals
- heat options
- interlock
- safety options
- battery
- EZX Berners
- Material
- Covers
- door curtain
- vision & screen
- mechanical options
- fore-frame
- remote stations
- manual/automatic opening commands

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