

GLOBAL INSULATED DOORS INC.

Horizontal Sliding Doors-Power (603TNE-Cooler, 603LWTE-Freezer)

Data Sheet

Global Insulated Power Horizontal Sliding Doors are engineered with exceptional design and reliable mechanism

Single Slide Coolers/Freezers



Cooler Door Specification:

Door - All Doors are made with Aluminum Extruded profile, NON-CFC Polyurethane insulations, and clad with 24 GA White Stucco metal both sides of the door. Doors are available in 3” and 4” thickness and equipped with stainless steel exterior handle and a recessed interior pull handle, Skirt type floor sill gasket. Height adjustment can be easily done from aircraft-grade extruded aluminum Carrier assembly.

Insulation – 3” thick door – R 24 & 4” thick door – R 32

Power Door Feature – Operator voltage can be 115V to 575 V Single phase, 60 Hz. Controller and Variable Speed Gear Motor run power doors effortlessly. The Control panel enclosure meets NEMA 4X. The controller has a built-in safety feature for reversing the door if any object comes across during the closing cycle. The header chain helps the door to smoothly travel on track. During power failure; Doors can be released from the chain by emergency release cable on the face side and Release Assembly on the wall side.

Frames –Standard headers and casings are clad with 24 GA White Stucco metal. Options are available for Wood or Plastic construction. Adjustable frame seals design gives extra flexibility for perfect sealing. Twin track equipped with heavy-duty aircraft-grade extruded aluminum. Top Roller wheels are made with stainless steel.

Hardware –Standard door hardware is made with a protective coating of multi-layered Zinc plating. Stainless SS304 hardware is available.

Freezer Door Specification:

Freezer Doors has the same above cooler specification with additional features as below.

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Doors –Perimeter heat inside the door. Heater connection requires 120 V, 60 Hz, Single Phase AC line.

Insulation - 4” thick door – R 32 & 6” thick door – R 48

For blast freezer applications, additional heated seals options are available, please contact the factory.

Available Options:

- Doors Metal - Stainless Steel / White -- Smooth / Stucco, FRP finish, Smooth painted white metal, Galvanized unpainted metal Smooth / Stucco
- Locking Device with Emergency Release
- Pedestrian Pass Door
- Vision Panel - Heated and non-heated
- Kick plates – Available in Aluminum Checker Plate, Stainless Steel, Galvanized
- Additional Heated Seals

ELECTRICAL OPERATOR

Global uses high-quality compact DC brushless Motor with a reliable and advance control system

The electrical operator operates with various activation devices. There are many options to choose

Pullcords,

Pushbuttons,

Touch-free (wave) switch,

Motion sensors,

Loop detectors,

Photo eyes

The controller features with close delay to close the door after a certain time has elapsed.

The control box is NEMA 4 – water/dust-tight enclosure.

Acceptable Commercial AC Voltages are 115 V, 208V, 230V, 460V, and 575V.

The control enclosure is either remotely located or attached to the header assembly when shipped from the factory. Either way, the drive, and the drive controller arrive pre-wired.

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INSTALLATION REQUIREMENTS

- Floor under door must be level and smooth
- Wall behind header and casings must be smooth in a common plane
- Mounting holes 3/4" diameter (drilled in field - by others)
- Stayrollers, installed in field - by others.

DOOR PANEL AND FRAME POWER OPERATED DOORS

- OPERATOR: SINGLE PHASE INPUT VOLTAGE REQUIRED: (3 phase supply requires 1 capped leg). Operator and control box prewired at factory. Exposed wiring is sealight conduit.
- Safely reverse. Door will reverse to full open position and stop if object is struck while closing.

DOOR PANEL AND FRAME

- DOOR PANEL
 - 24 GA white stucco steel
 - 24 GA white smooth steel
 - 24 GA 304 2B stainless steel
 - OTHER:
- E. Extruded aluminum door frame.
- F. CASINGS AND HEADER
 - Wood clad with Gray plastic clad with
 - 24 GA white stucco steel
 - 24 GA white smooth steel
 - 24 GA 304 2B stainless steel
 - OTHER:
- G. FREEZER DOOR (4" and 6" doors only)
Heaters are standard equipment on all freezer doors - 110V connection required.
 - Two standard pulcords.

OPTIONS

- ADDITIONAL HEATED SEALS
- FASTENERS
 - Through bolts - Nylon Threaded Rods (frame drilled in field - by others)
- INSIDE JAMBS
 - Wood clad with Gray plastic clad with
 - 24 GA white stucco steel
 - 24 GA white smooth steel
 - 24 GA 304 2B stainless steel
 - OTHER:
- BACKFRAME
 - Wood clad with Gray plastic clad with
 - 24 GA white stucco steel
 - 24 GA white smooth steel
 - 24 GA 304 2B stainless steel
 - OTHER:
- KICKPLATES Trackside Wallside
Height: 18" 24" 36" 48" OTHER:
 Aluminum diamond tread (1/8" thick)
 18 GA 304 2B stainless steel
 OTHER:
- LOCKING DEVICE - Hasp Type
 - TRACKSIDE WALLSIDE
 - with power cut-off and emergency release
 - with power cut-off (NO EMERGENCY RELEASE)
- VISION PANEL - 24" x 24" Lexan Beated
- MOTION DETECTOR Open Safety
- PHOTOCELL Open Safety
- POM (Partial Open Mode)
- PUSHBUTTONS Single Double Triple
 - In addition to pulcords In lieu of pulcords
- Remote Operator
- TIME DELAY CLOSE
- LOOP DETECTOR Open Safety

4" FREEZER - MODEL 603LWTE

OPERATING TEMPERATURE		
DOOR	TRACKSIDE	WALLSIDE
REQUIRED FOR PRODUCTION		

FOR: .	P.O.#: .	DATE: .	DRAWN BY: .	APPROVED BY: .					
JOB: .	F.O.#: .	TAG: .	CHECKED BY: .	LAST REVISION: .					
DOOR #	QTY	W. I. C. WIDTH IN CLEAR	H. I. C. HEIGHT IN CLEAR	DOOR TYPE	LOCK	OPERATOR VOLTAGE	JAMB DEPTH	SLIDE	SERIAL NUMBER
SINGLE HORIZONTAL SLIDE COLD STORAGE DOOR POWER MODEL 603LWTE									

Shown Model 603LWTE – Freezer, Single Slide, Power Door
Cooler Door will be without Heater Cable

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Installation

- The Casings & Header must be plumb and level. If the floor is not even shim casings to level
- Apply silicon to provide vapor seal between frames(header/casings) and wall
- Door bottom seal should slight crush to the floor. Floor seal adjustment can be done thru hanger bolts. Vertical casing seals and top header seals are adjustable and can be adjusted for tight seal
- If Single door blade is wider than 8'-0" than door blade could be of 2 piece construction (Spline) and will ship individually, assemble by customers on site
- Freezer Doors required 120 V, 60 Hz Single phase AC Supply for Heater wires
- Apply operator voltage as requested. Wiring should be done by certified electrician. Once wiring is done test motor for few cycles.
- Follow Installation guide during installation.

*Global Insulated Doors Inc.
633 Edgeley Boulevard, Unit-2
Concord, ON, L4K 4H6
Tel: 905-660-6668, Fax: 905-660-6669, Toll Free: 1-866-684-3667*