

Fastrax FR



HIGH PERFORMANCE COLD STORAGE DOOR

This industry leading door is a fast, efficient, safe and insulated cold storage door system. These significant benefits combine in one door that is simply superior in every key aspect required by discerning cold storage logistics operators.

Thermal Performance

Energy savings can be guaranteed with the robust R4 insulated curtain system coupled with an industry leading thermal perimeter seal. These combined benefits eliminate ice build up in your freezer, reduce defrost cycles and provide large savings on clean up labour costs.

Speed Where it Matters

With operating speeds up to 2.5m/sec the FasTrax FR is one of the industry's fastest doors, shortening cycle times, maximising productivity and ensuring energy savings.

Ideal for use in

- Freezers
- Chillers
- Environmental load out areas
- Warm rooms
- Conveyor openings
- Large size or very high usage applications

Safety Where it Matters

The FasTrax FR door system is simply safer by design, with the soft bottom edge of the curtain preventing any harm to personnel using the door. This safety is further enhanced in multiple ways including double safety beams and our unique Virtual Vision LED warning system with sensors.

Self Repair

FasTrax FR door systems utilise a unique patented soft breakaway technology, as standard in every door, and automatically refeed immediately after any accidental impact. This is a huge productivity benefit ensuring doors remain fully operational at all times, removing the need for urgent service.

Longevity

The real test of any cold storage door is how long it lasts in these extremely harsh environments. The FasTrax FR door has long proven to out perform any other similar option in the busiest applications in the industry. The robust components ensure lowest whole of life cost which is the real measure of success.



STANDARD COMPLIANCE

Wind Loading	Class 1	Water Permeability	Class 1
Acoustic Rating	22dB	Wind Permeability	Class 4
Safe Openings	Yes	Pressure Differential	20Pa
Thermal Resistance	R-4		

TECHNICAL SPECIFICATIONS

Application	Internal/External
Standard Size	4000mm H x 2500mm W
Minimum Size	1000mm H x 1000mm W
Maximum Size	5400mm H x 3000mm W
Opening Speed	Up to 2.5 m/sec variable
Closing Speed	1.0 m/sec variable
Operating Temperature	-25°C to +50°C (<0°C requires heated frame, motor and control box)

STRUCTURE

Frame Material	Powdercoated Aluminium Extruded Frame
Frame Colour	RAL9005
Track Configuration	Wrapback Track Installation

SPACE REQUIREMENTS

minimum clearances

Headroom	DOH/2 + 550mm (Wrapback - only applicable when DOH>3000mm and only configuration available for DOH>5000mm)
Sideroom	625mm (motor side) 385mm (non-motor side)

CURTAIN

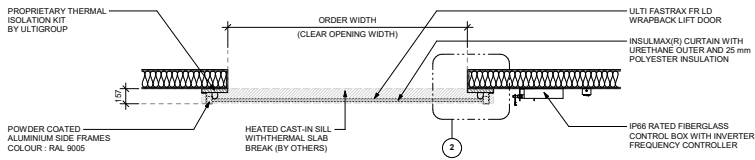
Material	InsulMax® Curtain with urethane outer and 25mm polyester insulation
Curtain Colour	RAL5010

ACTIVATIONS

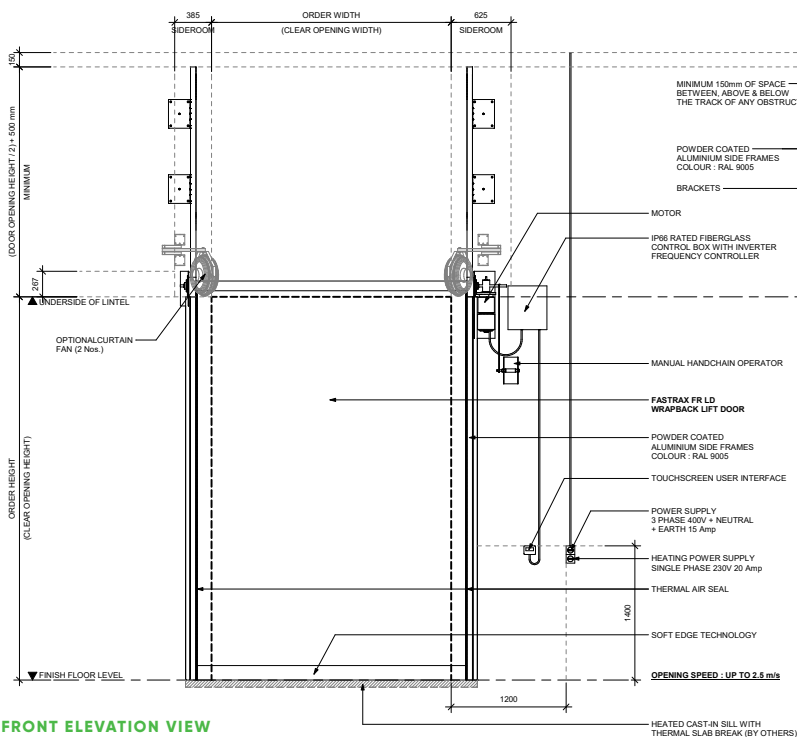
Manual Push button	
Push button on 7" Touchscreen User Interface	

DIMENSIONS

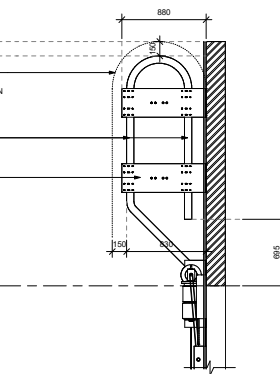
NOTE:
ORDER DOORS BY CLEAR
OPENING DIMENSIONS
REQUIRED



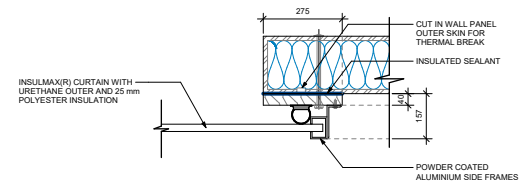
FLOOR PLAN VIEW



FRONT ELEVATION VIEW



SIDE ELEVATION VIEW



TYPICAL FR DOOR MOUNTING DETAIL

MOTORISATION

Motor	IP54 rated 1.5kW Heavy Duty 3phase Motor Drive & electromagnetic brake
Motor Position	RH Side
Control Panel	IP66 rated Fibreglass Control box with inverter frequency controller
Power Supply	400V; 3phase+N+E; 15Amp Rated adjacent to control box installed to right hand side
Heating Power Supply	230V; Single Phase; 20Amp

SAFETY

Standard Inclusions	2 Sets of Infrared Photozell Safety beams IP65 Soft PVC Bottom Edge Set of 2 extended LED Countdown Timers LED Countdown Timer on Touchscreen User Interface Virtual Vision Safety System
Emergency Egress	Manual Hand Chain, Manual Break-Out

WARRANTY

24 Months or 100,000 Cycles

STANDARD INCLUSIONS

Soft Breakaway Curtain Technology
True Auto Re-Feed
Barrier Thermal Air Sealing system
i-COMM digital controller
2x Curtain Fans
Thermal Isolation Break

OPTIONAL FEATURES

Activations	All Ulti Activation options can be applied Flush Mount Touchscreen User Interface
Track Configurations	Standard Lift - 660mm Headroom (DOW<2600mm) High Lift - available when DOH/2+550mm>headroom available>660mm Vertical Lift - DOH+660mm Headroom
Power Supply	Single Phase - <12m²
Mounting Options	LH Power Supply, Custom Control Box Position, LH Control Box, LH Motor
Emergency Egress	UPS Battery Backup (Single Phase)
Other Features	Wireless Interlock Module Option to remove curtain fans if all temperatures are 6°C or lower Wi-Fi module allowing connection to a building management/automation system
Low Clearance	45° Tilt
Optional Inclusions	Thermal Isolation Break required for applications <0C