

Climate High Speed Doors

SPECIFICATION

ARDENT OVERSIZE HIGH SPEED DOOR

MECHANICAL SPECIFICATION

1. DOOR CURTAIN:

3 mm thick, Blue PVC sheet with dual ply polyester fabric membrane providing a barrier which: -

- a) Resists Air Currents
- b) Provides a Sound Barrier
- c) Has good Insulation Qualities
- d) Unprecedented lateral strength

Other colours are available on request and a full screen printing service is provided.

NB. No vision panel is available on this product.

2. CURTAIN BARREL:

Constructed from 168 mm O/D mild steel tube with machined blocks at each end incorporating high-speed bearings.

3. SIDE GUIDES:

Fabricated from 4 mm thick pre folded steel sections. The side guides support the barrel, curtain and motor assembly. All steel is powder coated as standard.

4. WIND BARS:

A triple internal and double external wind bar system as standard is supplied on all doors. Wind bars are 105 mm powder coated aluminium tubes, which run on 75 mm heavy duty nylon pulley wheels.

5. BOTTOM RAIL / SAFETY EDGE:

Constructed from 4-mm thick box section steel to give high impact resistance. A touch sensitive electric fully monitored safety edge is fitted to the bottom rail, which reverses the door if it comes into contact with an object. The safety edge covers both sides of the bottom rail. A 400-mm skirt forms the door seal.

6. DAMAGE LIMITATION TABS:

A unique damage limitation system is fitted to the end cassettes that in the event of accident damage the bottom rail will break out. Replacing two nylon shear pins reinstates the door, reducing the risk of severe damage to the door. These shear pins can be replaced by on site maintenance personnel reducing 'down' time and callout charges.

7. CANOPY:

All doors come with a powder coated main canopy.

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OVERSIZE SPECIFICATION

ELECTRICAL SPECIFICATION

1. MOTOR DRIVE UNIT.

Three Phase 400v AC worm gear and brake motor, incorporating limit switches for open and close cycles. The drive unit can be used on manual in the event of power failure. Curtain barrel is driven directly by the motor drive unit eliminating the need for a chain drive. Opening speed is 0.6 m/s, Closing speed is 0.3 m/s based on a 6 meter square door – both opening and closing speeds are adjustable to suit the operating environment.

2. CONTROL PANEL

The control panel is a new generation control unit designed for high-speed doors. Utilizing a three-phase inverter to control the motor to give fast open, slow close, slow start and slow stop. This reduces the wear and tear normally associated with direct on line two speed motors.

The panel is housed in a metal IP55 rated enclosure and has the following features: - Automatic / Semi automatic running, Auto return timer (0-240 seconds), limit switch monitoring, Optional contact for warning lights, Photocell monitoring, all remote signalling and safety features are 24v AC.

In addition the sealed counter shows the number of cycles the door has completed.

3. SAFETY FEATURES

Two 24v AC Photo electric safety beams (constantly monitored) are fitted providing a closing safety device. Which reverses the door if the beam is broken.

An electric fully monitored safety edge system is fitted to the bottom rail providing an instantaneous stop/reverse feature should the bottom rail come into contact with an object before it reaches the floor. A stop circuit is fitted to the bottom rail should it be impacted it would stop the door.

A hand crank can be fitted to the bottom of the motor for manual operation.

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4. ACTUATION

The following options are available

Induction loop vehicle detectors
Remote push buttons
Keyfob /Hand held /Fork truck mounted transmitter units
Remote photo electric cells.

OPTIONS

1. Traffic lights
2. Warning sirens
3. Extra Photo Electric beams for pedestrian doors
4. Motor Canopies

CE CONFORMITY

All doors conform to CE Marketing Regulations, see “The supply of machinery regulations 1992”. All KLIMATE doors are manufactured to the European standard EN 12453:2000, copies are available on request.

SITE REQUIREMENTS

A 16 Amp triple pole, neutral and earth supply to be made available 1m from the door opening to the drive side of the door.

WARRANTY/GUARANTEE

12 Months or 500,000 cycle's parts and labour, excluding damage not caused by normal operation.

The company reserves the right to change specification without notice.