

MATADOOR

Standard Specification



CRASH-OUT (AUTO-RESET)

Matadoor features the unique 'Crash-Out & Auto-Reset' facility – designed to eliminate damage to the bottom bar when hit by a speeding forklift truck – for which Union's range of High Speed Doors is famous.

DOOR BLADE TYPE

'RamSKIN' – 1.5mm thick single-ply laminated PVC coated polyester monofilament with anti-static additive. Fire retardant to ISO 340. Full width clear PVC Vision Panel. Reinforced at regular intervals with encapsulated steel wind bracings.

DOOR BLADE COLOUR

Yellow.

COLUMNS & SIDE GUIDES

120mm x 120mm x 5mm RHS vertical steels, containing each individual integral counterweight. 125mm deep pressed steel blade guides (bolt-on construction for quick & easy replacement).

TOP ROLLER

Manufactured from 168mm o/d x 5.0mm CHS steel tubing, terminating at each end with 30mm diameter EN24 stub shafts running in self-aligning bearing units.

BOTTOM BEAM

Composite construction: steel rectangular hollow section sandwiched between two 3mm pressed grade 304 stainless steel bottom bar pressings, fitted with double Panama fabric dust seal and padded Safety Buffers.

BACK BAR & TOP SEAL

A 100mm deep steel cross-member bolted to the columns carries the top fixing brackets and provides a fixing for the top seal and brush strip damper.

SIDE SEALS

The standard fixing position of a Matadoor is 100mm inboard or outboard of the opening. To infill the gap created, 1.2mm thick galvanised and powder coated seals are fitted between the rear of the columns and the mounting structure.

FINISH

Steel parts and bracketry de-greased, blast cleaned, pre-treated with anti-corrosive primer and finished with hygienic anti-bacterial powder coating. Standard Colour: Grey RAL 7043. Any RAL colour available as an option.

DRIVE

1.5kW foot mounted brake geared single-phase motor unit drives the top roll via a simplex chain system.

SPEED

Door opening: Variable up to 1.6m/sec (maximum). Door closing: Variable up to 0.7m/sec (maximum).

MAX. WIDTH & HEIGHT

Maximum width – 3000mm
Maximum height – 3500mm

CONTROL

Combined with a Variable Frequency Drive for smooth starting and stopping to reduce mechanical wear the system enables safety monitoring and the precise adjustment of parameter settings to control the door under normal use. The control unit is housed in a 500mm x 500mm x 200mm deep IP65 rated cabinet, powder coated red, c/w Perspex diagnostic viewing window and externally mounted 'Open', 'Close' and 'Emergency Stop' buttons.

SAFETY

Photoelectric Cells

To inhibit the door from closing if an obstacle is detected adjacent to the front and/or rear of the doorway. IP67 rated photocell with reflector unit opposite, protected by heavy duty steel covers, fitted at low level to the face or reverse of the door columns.

Light Curtains

To prevent the door blade from closing on any obstacle within the door's operating plane, IP67 rated Light Curtains are fitted inside the side guides, 45mm from ground level and, as dictated by the size of the door, up to the maximum legal height requirement of 2.5m.

Manual Brake Release

In the event of power failure a pull cord is provided to release the brake lever in order to raise the door with minimal manual assistance.



Union Industries
Angel's Wing
Whitehouse Street
Hunslet
Leeds
LS10 1AD
United Kingdom

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High Speed Door



Essential Characteristics	Declared Performance	Harmonised Standard
Release of dangerous substances	None	EN 13241-1:2003 + A1:2011
Safe opening (vertical moving doors)	Pass	
Mechanical resistance and stability	Pass	
Intended for use: Internal Industrial/Commercial Use		