

RAMDOOR Standard Specification



CRASH-OUT (MANUAL-RESET)

Ramdoor features the unique 'Crash-Out & Manual-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

'RamHIDE' – 3mm thick 2-ply laminated PVC coated polyester monofilament with anti-static additive. Fire retardant to ISO 340. Suitable for arduous environments. Reinforced at regular intervals with encapsulated steel wind bracings.

DOOR BLADE COLOUR

Yellow.

COLUMNS & SIDE GUIDES

250mm x 150mm x 6mm RHS vertical steels, containing each individual integral counterweight. 200mm deep pressed steel blade guides (bolt-on construction for quick & easy replacement), c/w integral brush seals.

TOP ROLLER

Manufactured from 219mm o/d x 5.0mm CHS steel tubing, terminating at each end with 40mm 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 200mm 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 Ramdoor is 200mm 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.

DRIVE

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

SPEED

Door opening: Variable up to 1.0m/sec (maximum).
Door closing: Variable up to 0.7m/sec (maximum).

MAX. WIDTH & HEIGHT

Maximum width – 6500mm
Maximum height – 6500mm

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.

WINDBAR

1 No. heavy duty face or reverse side mounted 'windbar' fitted as standard, raised and lowered on webbings and comprising a 4" o/d powder coated aluminium tube fitted with heavy duty 8-wheel bi-planer end carriage assemblies and running in heavy duty 3mm rolled steel tracking fitted to the columns.

SAFETY

Photoelectric Cell

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.



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No. 005-EGR-05-2013
High Speed Door



Essential Characteristics	Declared Performance	Harmonised Standard
Release of dangerous substances	None	EN 13241-1:2003 + A1:2011 (89/106/EC)
Resistance to wind load	Wind Class +5 -5	
Safe opening (vertical moving doors)	Pass	
Mechanical resistance and stability	Pass	
Operating forces (for power operated doors)	Pass	
Harmonised Standard		
Type testing conducted by: Warrington Apt Intended for use: Internal and External Industrial/Commercial Use		