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PAT 100 Roll-up High Speed Door with Interchangeable Sections

Overview

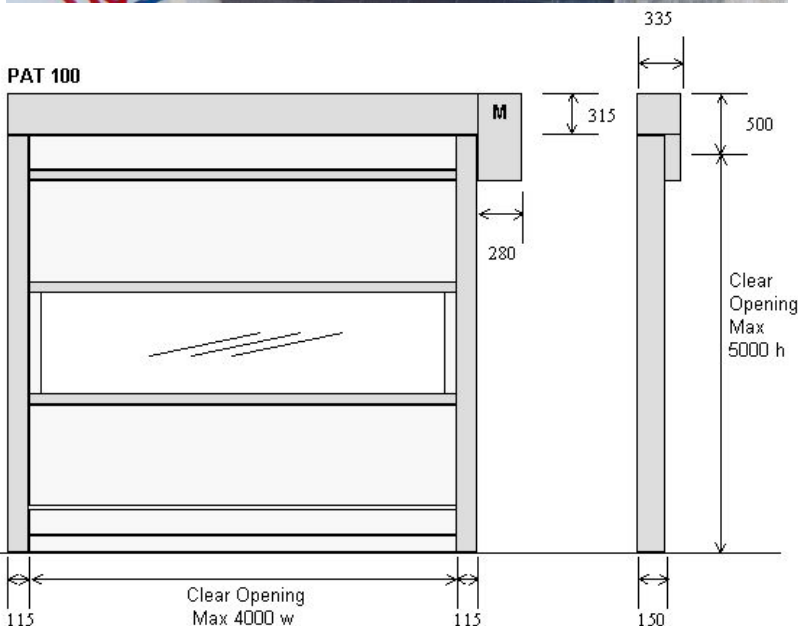
The PAT 100 is a reliable, general purpose High Speed Door. This Door is used in a multitude of different environments.

This Door is robust, competitively priced and comes with interchangeable sections which, in the event of curtain damage, can easily be replaced. There is a fully transparent version, it can also be offered without any vision, but, as standard, the center panel is always transparent.

Rated to Wind Load UNI EN 12424 CLASS 1 (standard External Rating), this information is on the Door CE plate, as required by New Regulations.

There is a choice of over twenty curtain colours. As with all our products, a safety edge and two sets of photocells come as standard.

Automatic closing time is adjustable and a full range of opening systems, Loops, Radar, Radio Control, etc. are available.



PAT 100 Standard Package includes:

- Self-supporting Galvanised Structure with Hood and Motor Cover.
- Interchangeable Curtain Panel Sections.
- One Full Vision Section.
- Manual emergency opening by pull cord and rod at ground level
- Standard Control Panel IP55 (Up Button & Red Stop/Emergency Button)
- Wind Load (New Regulation) UNI EN 12424 CLASS 1 (External Rating)
- Two pairs of Transmitter/Receiver type Safety Photocells. (IP55)
- Electro-Optical Bottom Safety Edge
- New Wiring Installation Kit (Conduit & Cable)

Please ask for details of the PAT pneumatic version for explosive environments



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Technical Specification

Self-supporting structure

Made from special galvanised steel profile, designed to ensure durability and protection in all situations, even against accidental impact. Full width canopy and motor cover as standard.
Optional - Structure made from AISI 304 stainless steel or RAL painted.

Curtain

Made from trevira-type twin-moulded polyester fabric, self-extinguishing Class 2 central section. Door Panels are interchangeable for rapid, easy replacement operations in the event of damage. The panels are connected by anodised extruded aluminium joints. Curtains available in a selection of colours.
Optional – 3mm Insulated Curtain.

Safety photocells

Two Pairs of IP55 transmitter/receiver type UNI 8612 compliant. Stops downward movement of the door and returns it to the open position should any obstacle be detected by the threshold beam. Further additional pairs as required. IP57 rated also available.

Bottom Safety Edge

Electro-optical System interrupts door descent and ensures door reopening in the presence of obstacles in the doorway.

Control Box/Board

On the Standard control box is an up push button and emergency push/lock button. On the **(Optional)** Plus control box is a lockable power switch, up and down push buttons, emergency push/lock button, and an automatic/manual selector. The box itself is a robust enclosure (protection degree IP 55, in compliance with updated CEE/CEI 44/5 and DIN standards). IP 65 compliant push-button board. The solid-state microprocessor digital electronic instrument panel affords easy programming and rapid replacement operations in the event of faults, as well as ensures interfacing with remote controls and timer programming. A self-diagnosis circuit detects and indicates malfunctioning by means of dedicated LED lamps. The board also features a safety heat detector.

Vision Panels

One transparent PVC section (750 mm high) for safety and interior lighting. Optional Additional transparent PVC sections. Optional Completely transparent version (up to 3000 x 3000).

Drive shaft

Made from tubular galvanised steel, diameter 152 mm, flanged. Rotates on bench supports with self-aligning ball bearings.

Motor assembly

Three-phase self-braking assembly powered by 220/380 V, with power ratings from 0.75 to 1.5 kW. Comes with safety heat detector. Electromagnetic lock brake. Irreversible gear-motor, worm screw type, directly driven by drive shaft. Cam limit-switch assembly.

Opening/closing speed

Up to 0.8 m/sec.

Wind strengthening bars/Wind Resistance

Made from shaped anodised aluminium. Rated - Wind Load UNI EN 12424 Class 1 (External Rating), equates circa 60 km/h. Optional upgrade available. Wind Class indicated on CE plate, as now required by New Regulations.

Sliding mechanism

Ultra-silent sliding mechanism, featuring lateral guides with twin rubber seal guides.

Emergency opening

In the event of power failure or malfunction, lifting of the door is by brake release and a snap insertion manual wind, both at user-height.

Electrical system

Pre-wired with rapid internal connectors for quick, safe connection between the control board and the mains power system.

Optional opening devices

A full range of remote controls are available e.g. mono/stereo radar, pushbuttons, radio control, induction loop system, pull cord, etc.

Optional partial opening function

For automatic door opening to pre-selected height.

Optional Interlock Logic

For interfacing a series of doors.

Warranty

The manufacturer gives a standard warranty of 12 months from delivery date on every product.

Product compliant with EC Directive 89 / 392 and new EN 13241-1.