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## PIC 50/75 Fold-up High Speed Door

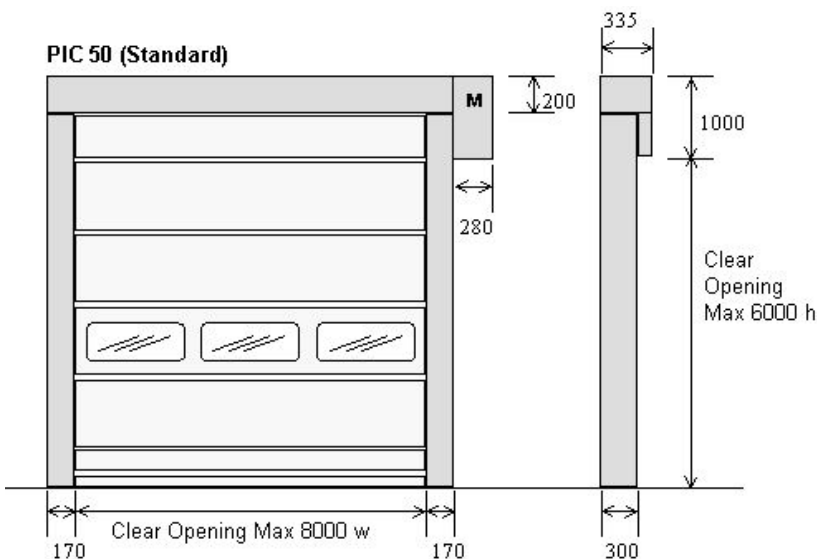
### Overview

The **PIC 50/75** High Speed Fold-up door is the answer where large openings are subject to windy conditions.  
(PIC50 Max. Dimensions 8000w x 6000h)

Thanks to the speed of opening and closing and the seal qualities, the PIC doors reduce heat loss and therefore improve working conditions, while making significant savings on heating costs. Vertical movement is actuated by lift belts, which progressively pack the sections at the top of the door. Constructed with the best materials and electronic components available, the PIC doors are tested to resist the harshest treatment in industrial and commercial applications.

The PIC 75 is simply a modified PIC 50 but with a forward facing motor for where side-room at high level is limited.  
(PIC75 Max. Dimensions 6000w x 5000h)

The PIC range of Fold-up High Speed Doors is in fact the original type of fast door that has been sold for many years. They still remain the most popular model for applications on external openings.



### PIC 50 Standard Package includes:

- Self-supporting Galvanised Structure with Hood and Motor Cover.
- One row of Vision Windows.
- Manual emergency opening by pull cord and rod at ground level
- Standard Control Panel IP55 (Up Button & Red Stop/Emergency Button)
- Two pairs of Transmitter/Receiver type Safety Photocells. (IP55)
- Curtain slides with one pair of above photocells internally fitted.
- Wind Load (New Regulation) UNI EN 12424 CLASS 1 (External Rating)
- Bottom Safety Edge
- New Wiring Installation Kit (Conduit & Cables)



### Technical Specification

PIC

We reserve the right to change or modify specification without notification.

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## **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, with pockets for strengthening tubes. Curtains available in a selection of colours. Optional – 3mm Insulated Curtain.

## **Vision Panels**

One row of transparent PVC windows for safety and interior lighting. Optional Additional rows of windows.

## **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 (up to 4m clear width), Electro-pneumatic System (above 4m clear width) interrupts door descent and ensures door reopening in the presence of obstacles in the doorway. NB When the Electro-pneumatic System is used, the safety edge is positioned on a special aluminium profile bottom bar.

## **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.

## **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 1 m/sec.

## **Sliding mechanism**

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

## **Curtain slides with internal photocells**

PIC comes with a pair of slides inside the uprights. With this feature the curtain is kept against the upright sliding profile like a roll-up door. One pair of the standard photocells are fitted inside the slides.

## **Wind strengthening bars/Wind Resistance**

Made from tubular steel, these bars guarantee perfect closing of the curtain. 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.

## **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. An optional gear arrangement with short handle wind at user height is available and is standard on doors in this range (over 5000 H).

## **Electrical system**

Pre-wired with rapid external 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 Interlock logic**

For interfacing a series of doors.

## **Optional partial opening function**

For automatic door opening to pre-selected height.

## **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.**