

Overview

The PIC 50/75 High Speed Fold-up door is the answer where large openings are subject to windy conditions.

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.



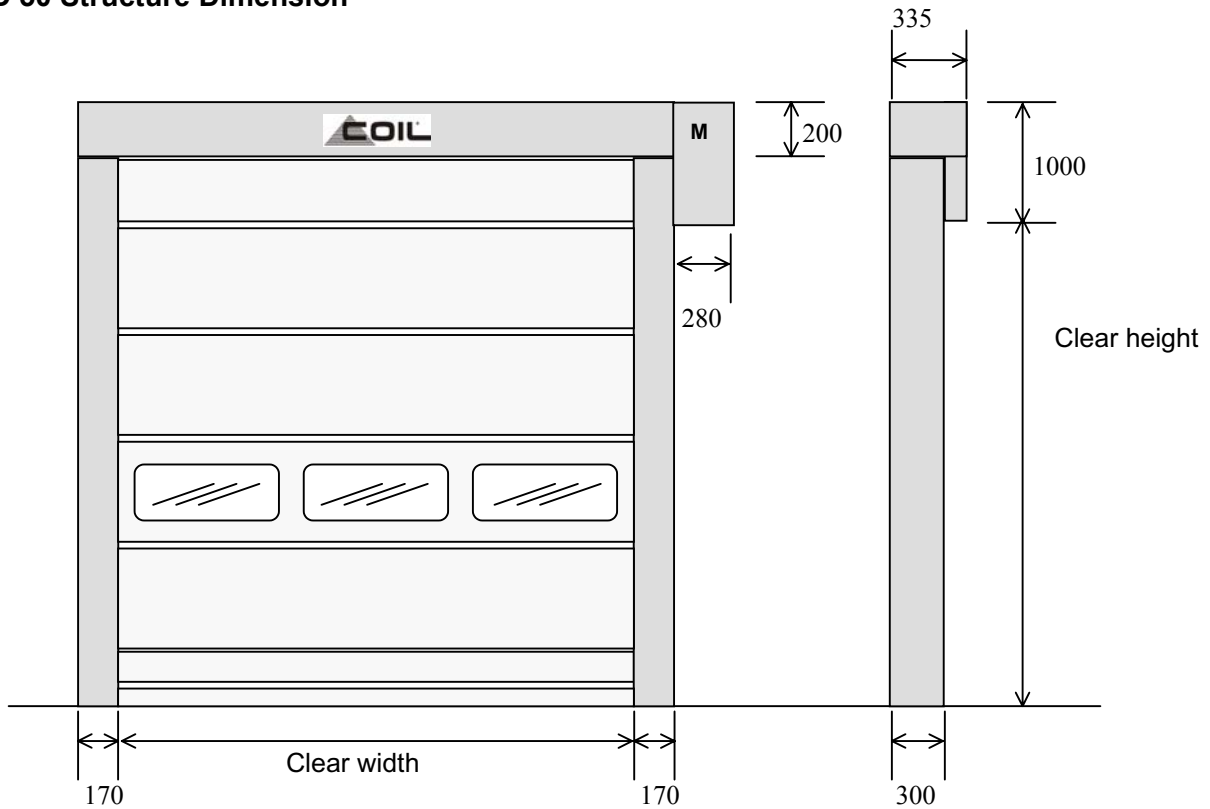
The PIC range of Fold-up High Speed Doors is in fact the original type of fast door which has been sold for many years in preference to Roll-up Doors. They still remain the most popular model for applications on external openings.



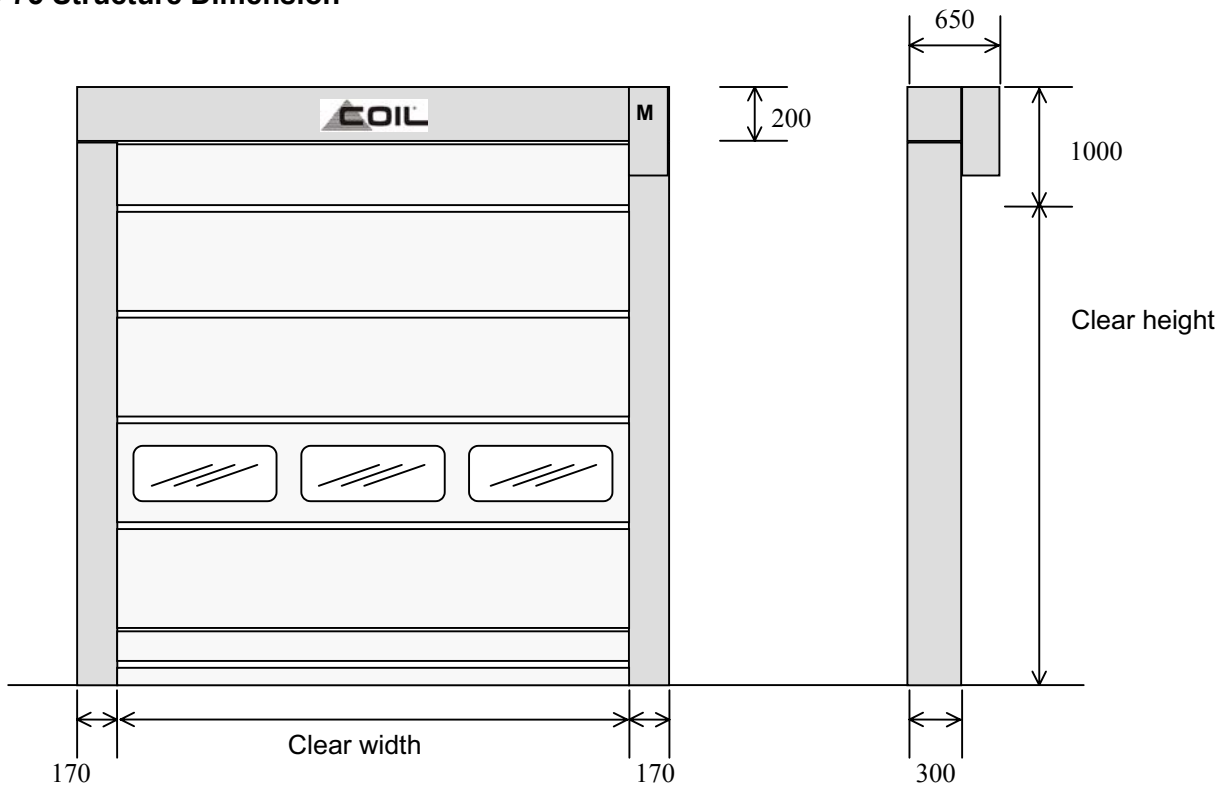
PIC 50 standard dimension up to 7000 w. x 6000 h.
PIC 75 standard dimension up to 6000 w. x 5000 h.
Larger sizes upon request

Product compliant with Directive 89 / 392 CE

PIC 50 Structure Dimension



PIC 75 Structure Dimension



Technical Specification

- **Self-supporting structure**
Made from special galvanised steel profile, dimensioned 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.
- **Drive shaft**
Made from galvanised steel, diameter 152 mm, flanged. Rotates on bench supports with self-aligning ball bearings.
- **Sliding mechanism**
Ultra-silent sliding mechanism, featuring lateral guides with twin rubber seal guides
- **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.
- **Vision Panels**
One row of transparent PVC windows included. Additional rows of windows available at extra cost.
- **Optional bottom bar**
Aluminium profile with rubber seal. Note: this item is standard when the Bottom Safety Edge is used.
- **Curtain slides with internal photocells**
In case of width dimension more than 5000 mm, or as an option for lower width dimension, 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. 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, even in the event of wind speeds up to 50 km/h. (Calculated at maximum opening dimension).
Optional Wind resistance up to 120 km/h.
- **Safety photocell**
One Pair of 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. Optional Additional pairs as required by choice, or current Health and Safety Standards. Optional Photocells up-rated from IP55 to IP57.
- **Optional Bottom Safety Edge**
Opto Electronic with signal amplifier interrupts door descent and ensures door reopening in the presence of obstacles in the doorway.
- **PT Control Box/Board**
On the Standard control box is an up push button and an emergency stop/lock button. On the 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.
- **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. 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 preselected height.
- **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.
- **Optional A compact gear arrangement with short handle wind at user height. NB This is standard on the larger doors in this range (with more than 5000 H)**
- **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 oil-immersed, worm screw type, directly driven by drive shaft.
- **Cam limit-switch assembly**
- **Opening/closing speed**
Up to 1 m/sec.

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