

IP ST

High speed fold-up door with counterbalance



Exclusive Advantages

Balanced operation

Manual opening through the counterweight

Very high wind load resistance

Very high reliability

The best for the outside



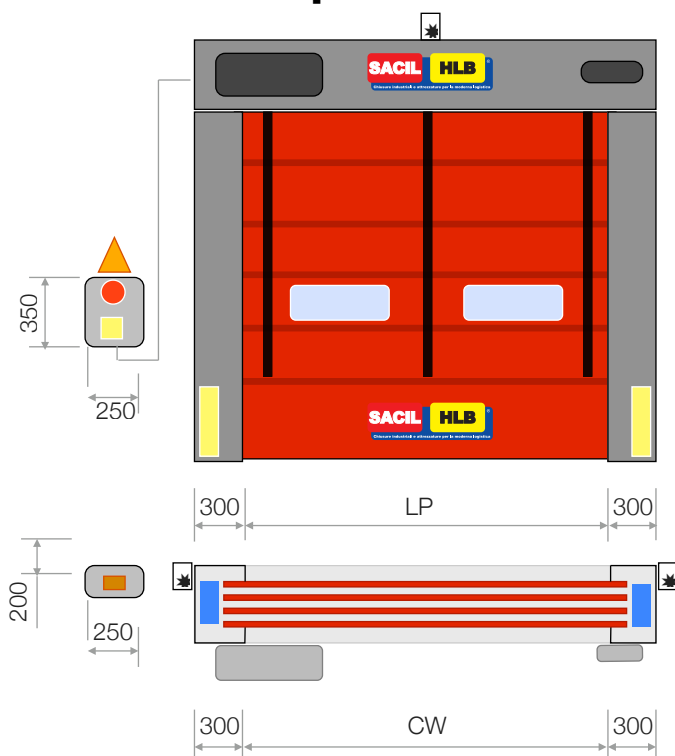
Vertical fold up door for intensive use made of a self-supporting frame and coloured polyester curtain. The folding up of the doorblade is granted by the nylon belts having very high resistance and wrapping on the horizontal shaft. The opening and closing operations are granted by a gearbox group horizontally placed. In the standard version the door features all electrical and mechanical devices able to grant a safe and proper functioning. The door is designed for both internal and external applications. It is the traditional solution, reliable, safe for the installation outside the building.

The doorblade is stiffened with horizontal tightener and so it is able to grant the maximum functionality even in case of depression between two different rooms or between the inside and the outside. The counterweights placed inside the side rails grant the maximum reliability during the time and allow the manual opening in case of power failure of at least 2 meters from the floor level.

Detailed technical specifications

- Automatically operated by means of a three-phases 380 V. motor connected to the rolling shaft by means of a double chain transmission.
- Unique doorblade made of polyester PVC coated having about 750 gr /sq meter of weight self-extinguishing class 2 material. Available colours similar to white silver RAL 9016, Cream 1013, Green 6026, Yellow 1021, Grey 7038, Orange 2008, Red 3000, Blue 5015. The PVC curtain can be coupled to clear windows or vision panels as option.
- Self-supporting galvanized steel side frame allowing the sliding of the doorblade and supporting the horizontal beam. Inside the side rails it is placed the sliding guide of the horizontal beams made of a 4mm thickness steel folded metal-sheet.
- Upper horizontal beam made of galvanized steel containing the rolling shaft, the doorblade supports, the gearbox group and the limit switch device. The motor cover is made of black thermoformed pvc.
- Rolling belt shaft inside the horizontal cross beam with nylon pulley diam. 120mm for the lifting belts roll up. The shaft rolls on heavy duty supports with ball bearings.
- High resistance lifting belts (safety factor 3) in black colour. For each door minimum 3 belts are supplied.
- Side seals placed on the vertical rails made of co-extruded pvc reducing the curtain friction during the functioning.
- Coaxial gearbox placed in front of the horizontal cross beam without side protrusion. A release cable is connected to the motor brake in order to open the door by the counterweight in case of power failure. The brake releases the counterweight that immediately lift up the door up to 2000 mm from the floor. This operation is only possible for the door opening.
- Limit switch group with rotative cams placed on the front of the horizontal cross beam
- Standard electrical equipment: ip55 pvc control box, one infra-red photocell axis inside the side rails, one flashing light, one feeding cable for the control box up to a distance of 2 meters from the door.
- Anti back out system (optional) that allows the automatic opening of the door up to 2000mm from the floor in case of power failure by a modification of the motor brake.
- Option for automatic function and application between interior rooms;** When the door is supplied with automatic function the side guides include the Safety First device. It is the exclusive safety device for automatic doors including two barriers with 40 photocells axes with progressive switch off; the barriers are correctly placed inside the side guides.
- Optional accessory required for automatic function and outside and inside application;** Safety bar applied on the lower edge of the doorblade.
- Options: AISI 304 stainless steel for the complete frame or painted frame. Insulated doorblade. Logos and/or serigraphs application.
- Optional remote controls: microwave radars, transmitters, mushrooms buttons, push buttons, magnetic loops, etc.
- Each door is individually packed with PVC film. For each door a single accessories box is prepared.

Dimensions and Specifications



Description

Certification according the Uni en 13241-1 with "dead man" operation

Max dim. Daylight WxH
10000x6500mm

Wind resistance up to Class 2
according to the dimensions

Opening and closing speed about
0.8 mt/sec

Power: 3-phases 380 V

Warranty

Standard: 12 months

Validity: according to instructions
on the content and user manual.

Installation Notes

- * Real overall dimensions of the frame. For the installation please consider 5 cm of space necessary on the three sides for the fixing brackets. In case of installation inside the daylight the necessary space to be left is 30mm for the vertical section plus 5cm laterally. Fixing: the door is self-supported but needs to be fixed with screws all around.

Uni en 13241-1

Designed - Produced - Certified
in accordance with the standard
product European Uni en 13241-1



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