DOOR D-313 EMERGENCY LF(*)

Ref. : D-313-E LF

1. DESCRIPTION

Remark: This door requires the authorization of the competent fire service of your region and cannot be combined with the option "airlock"
Foreframe made of channels of 80x80x3mm, in galvanised or optionally in stainless steel, is delivered standard (to avoid sliders hitting the lintel). To be installed obligatorily: DYNACO gives no warranty for doors that were installed without the foreframe.
Emergency exit : a T-shaped cut, retained by zippers, in the middle of the curtain allows the two symmetric "flaps" to release an emergency exit, simply by pushing at the indicated spot ("push here in case of emergency") at about 1100mm above the floor. At this spot, the zipper is not locked, and it can immediately be released. The dimensions of the emergency passage are: height : always 2050 mm; standard width: opening width minus 400mm, with a maximum passage width of 3000 mm, being 2 flaps of 1500mm. Certified in France. A copy of the different statements can be obtained upon request.
Intended use: for inside environment.
Maximum dimensions : W 3.500 mm x H 3.500 mm. Minimum required space: 1500mm.
Opening speed : ±2,7 m/s***. Closing speed :*** 0,5 m/s.
Operating type : gravity driven, with flexible weighted soft bottom edge.
Frame: made out of galvanised steel plate 37x52x3 mm. Stainless steel available in option.
Drum: made of PVC, diameter 200x3,9 mm, steel shafts. Optionally in stainless steel.
Drum and side posts cover in synthetic material, standard. In RAL colour 9006 (aluminium colour) for the drum and the side posts, black for the lateral junction shells.
Side guides made out of reinforced polyethylene (PE-UHMW/DYNACO Specific) mounted in a 1,25 mm thick galvanised steel C-profile, 11,5x11,3 mm inner section. Optionally in stainless steel. The C-profiles are fixed at the base of the structural channels with closed nuts, without springs.
Door curtain in reinforced PVC (900 g/m²), very resistant, in colour (RAL) corn yellow (1003), grey (7035), blue (5002), red (3000), green (6005), orange (2004), white (9010) or black (9005).
Compact reintroduction block in PBT, installed at the upper part of the side guide. Provided with two reintroduction bearings (Dynaco Patent) for the automatic repair of the door.
Continuous side sealing *(DYNACO Patent)* made out of polyurethane (BEAD) (PUR-1195 degree shore A).
Motor, 2-pole, installed inside the drum. Power: 0,75 kW. IP 55 protection level.
Axial reducer. Connected to the motor and installed inside the drum.
Parking brake, installed inside the drum; active only when the door is at rest. The frequency inverter that feeds the motor, slows down the door at the end of each opening and closing cycle to reach a complete standstill. Only at this moment, the parking brake is activated. It is never used to slow down the door, which guarantees a long life-time of the brake, without having to change settings.
Compact control box in painted steel, with a pad-lockable divider, an adjustable timer for closing, a push button for opening and reset after a power failure or an emergency stop. IP 54 protection level. The length of the electrical cables for connecting the electrical components (motor and other standard elements) allows installation of the control box at 1200mm from the floor and 1000mm from the door at the motor side.
Positioning limit switch by means of absolute encoder at the back of the DVDM motor.
Detectors delivered with a standard door:
A detector "emergency exit open" to prevent the door from operating when the emergency exit is opened.
Infrared photocell system: installed ± 30 mm of the axis of the curtain and detecting the presence of a pedestrian or a vehicle, immediately opens the door and keeps it open as long as the presence is detected. Position of the photocell: 300 mm above the floor.
Correct unwinding detector: installed on the upper part of the side guide, detecting the formation of curtain loops at the winding drum when an obstacle appears in the curtain's path, preventing its normal closing. This detector also opens the door.
Wireless DYNACO Detector (WDD): a wireless detection system consisting of a transmitter in the bottom bag of the door and a receiver in the control box. The system operates according to the "open loop" principle: when the sensor encounters an obstacle, the transmitter leaves the standby mode and sends a signal to the receiver that immediately opens the door. The operating mode "open loop" offers an extremely high life time to the lithium battery of the transmitter, as it only operates when the sensor encounters an obstacle, otherwise, the transmitter remains inactive.

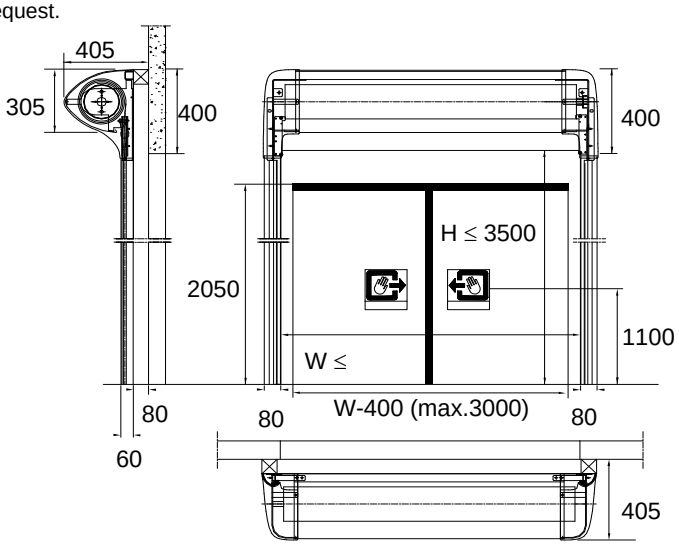
Power supply: **Single phase 220-240 V.**
Frequency: 50 – 60 Hz. Circuit protection to be provided by the customer: 16A.

2. EN 13241-1 CLASSIFICATION

Characteristics	Standard	Test acc.	Results
Water permeability	EN 12425	EN 12489	**Class 2**
Wind load	EN 12424	EN 12444	**Class 1**
Wind permeability	EN 12426	EN 12427	**Class 0**
Safe openings	EN 12453	EN 12445	**Pass**
Mechanical resistance	EN 12604	EN 12605	**Pass**
Unintended movements	EN 12604	EN 12605	**Pass**
Thermal resistance	EN 12428	EN 12428	**58,57W/m²K**
Performance (cycles)	EN 12604	EN 12605	**NPD**

3. REQUIRED SPACE :

All indicated dimensions are net: the space necessary for mounting and maintenance has to be provided. Reduced dimensions: upon request.



*LF = DYNACO Low Friction System
Within the framework of its policy of continuous development of its products, DYNACO preserves the right to modify the characteristics of its products and parts without prior notice.
Special product orders are available upon request.