High Speed door Novo Speed Twin

Industrial interior door to 16 m², wind resistant to 5 Beaufort

If there is a collision the door leaves open sideways

Properties

- *max. surface area (WxH) = 16 m²*
- *max. W x H = 4000 x 4000 mm*
- *wind resistant to 5 Beaufort*
- *opens at max. 3 m/sec.*
- *1.5 mm thick door curtain in blue, orange, yellow, red and grey, including transparent vision section*
- *self-supporting lateral guides*
- *anti-crash system with hinging folding elements*

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novoferm®

High Speed door

Novo Speed Twin

The Novoferm Novo Speed Twin is a laterally opening electrically driven rapid roller door for use in industry and utility building. It can be used for energy saving, draught exclusion, climate control and the partitioning of rooms.

Components and construction

The Novo Speed Twin has two door leaves of 1.5 mm thick PVC that with the opening of the door are laterally wound up in self-supporting vertical columns on both sides of the clear opening. Above the clear opening there is a horizontal beam on which the drive rollers, guide profile and runners are mounted. The door panels have no hinges or other joints that can make a noise when rolling up. The closing edge of both door leaves consist of an extruded aluminium tube with rubber sealing profile.

Materials

The construction parts of the door including the guides, roller and runner are hot dip galvanised steel. The door curtain is 1.5 mm thick and made of polyester-reinforced PVC with a transparent PVC vision section (70% of the door surface). The profile in which the guide runners run is anodized aluminium.

Colours

The PVC door curtain is available in the colours blue, orange, yellow, red and grey and is provided with a transparent vision section. The guides are hot dip galvanised.

Drive

Both door leaves are opened and closed by a toothed drive belt driven by an industrial motor with frequency control. The side of the motor is left or right as required (right is standard).

Control and operation

The control system regulates a multitude of functions such as:

- adjustable open time
- continuously variable speed regulation by frequency control for opening and closing the door
- service and run mode
- LED display on the front of the control box for control of the various functions and the display of error codes
- choice of permanently open or permanently shut

Forms of operation that can be connected to the standard drive are:

- operation by pull switch, key-operated switch, push-button, photocell, radar, induction loop detection or by radio control with transmitter and receiver.

Dimensions

- max. clear width (W) .....4000 mm
- max. clear height (H).....4000 mm
- max. surface area (W x H).....16 m^2
- max. wid pressure .....5 Beaufort
- side room guides.....335 mm
- side room not driven side .....335 mm
- side room drive side.....335 mm
- head room .....231 mm
- head room depth .....720 mm

Performance

- opening speed .....max. 3 m/s
- closing speed.....approx. 0.50 m/s

Protection

- in the case of a collision both door leaves laterally fold open and the door stops automatically. After the door leaves have been (manually) folded to their original position the door is operational again (after a reset)
- as standard a safety photocell is provided 250 mm from the floor in the clear opening. If the beam is broken the door stops then fully opens
- the rubber profile on the closing edge of both door leaves is fitted with built-in, self-testing electronic safety edge. When operated the door stops then fully opens.

Structural provisions and connection

- in normal circumstances no special structural provisions are required for the assembly and fitting of a Novo Speed Twin. The self-supporting construction must only be fixed at the floor and at the top.
- there must be a wall socket within a radius of 500 mm of where the control box will be positioned for the electrical connection (CEE form blue, 1 x 230V fused, slow operation 16 A and fitted with an circuit-breaker of at least 300 mA). As standard this is fitted at a height of approx. 1500 mm from the floor on the drive side.
- the clear opening in which the door is assembled is not available during assembly!

Technical details electric motor

- mains voltage.....LNPE~230V/50Hz/16AT
- degree of protection IP54
- consumed power .....max. 4 kW.

Extras (subject to surcharge)

Control and operation

- operation by push-buttons, pull switches, photocell, radar, induction loop or by radio control. Other forms of operation on request
- door interlock control in combination with another door

Protection

- with a power loss the door can be manually moved.

Construction

- vertical and horizontal protective covers in customer-specified RAL colour
- transparent vision section measuring 30% of the door surface
- no vision section.

Design with 30% transparent surface.

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