

High Speed Door Novo Speed Flex

High Speed door

Novo Speed Flex ^{Flex Edge}

The Novoferm Novo Speed Flex® is an electrically driven High Speed door for use in industrial and utility buildings for interior applications. It can be used for energy saving, draught exclusion, climate control and the partitioning of rooms.

Components and construction

The Novo Speed Flex® has a door leaf 1.2 mm thick made of a polyester-reinforced PVC with a transparent vision section between approx. 1200 and 1800 mm from the floor. The closing side of the door curtain consists of a flexible soft bottom beam (Flex Edge®). The extruded aluminium columns ensure the guidance of the door leaf. These form one taut unit with the brackets for the fastening of the roller and protective hood. From 12 m² door balancing is applied as standard.

Materials

The guides and the roller are aluminium. The protective hood is PVC. All PVC parts used can be recycled.

Colours

The door curtain is available in the colours blue (standard), orange, yellow, black, grey, red or white and is provided as standard with a vision section.

Dimensions

- max. width [W]3500 mm
- max. height [H]5000 mm
- max. surface area [W x H]17.5 m²
- max. wind force5 Beaufort
- lateral space at the guides160 mm
- depth top hood420 mm
- required fitting depth for the top hood650 mm
- required space above600 mm.

Drive

The drive consists of an industrial tube motor assembled in the roller. As a result the necessary lateral space is minimal. The drive is on the right-hand side of the roller as 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
- 7-segment display for controlling the various functions
- choice of permanently open or permanently shut

Other forms of operation that can be connected to the standard control box are:

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

Performance

- opening speedmax. 2 m/s
- closing speedapprox. 0.5 m/s

Protection

- safety photocell in the columns approx. 250 mm from the floor for doors up to 12 m²
- doors from 12 m² are provided with a safety light curtain (IP65 and to max. height of 2500 mm). If this curtain is interrupted by an obstacle the door will automatically fully open until the screen is freed again.

Structural provisions and connection

- in normal circumstances no special structural provisions are required for the assembly and fitting of a Novo Speed Flex®. The self-supporting construction must only be fixed at the floor and the roller
- 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.

Technical details electric motor

mains voltage.....	LNPE-230V/50Hz/16AT
degree of protection	IP55
consumed power	max. 2,2 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
- 'half height' setting (for personnel access)
- door interlock control in combination with another door
- integrated and illuminated push-button set (open-stop-close) in the guide column
- illuminated push-button set (open-stop-close) in surface-mounted box.

Protection

- light screen to a max. height of 2500 mm for doors ← 12 m² instead of the safety photocell
- connection of traffic lights (red/green or red and green) or orange flashing light
- extra safety photocell approx. 400 mm from the floor
- mechanical emergency unlocking (after unlocking the door opens).

Construction

- guide columns in customer-specified RAL colour (powder coating)
- PVC hood over the roller and drive
- full colour printing of the door panel (on request).