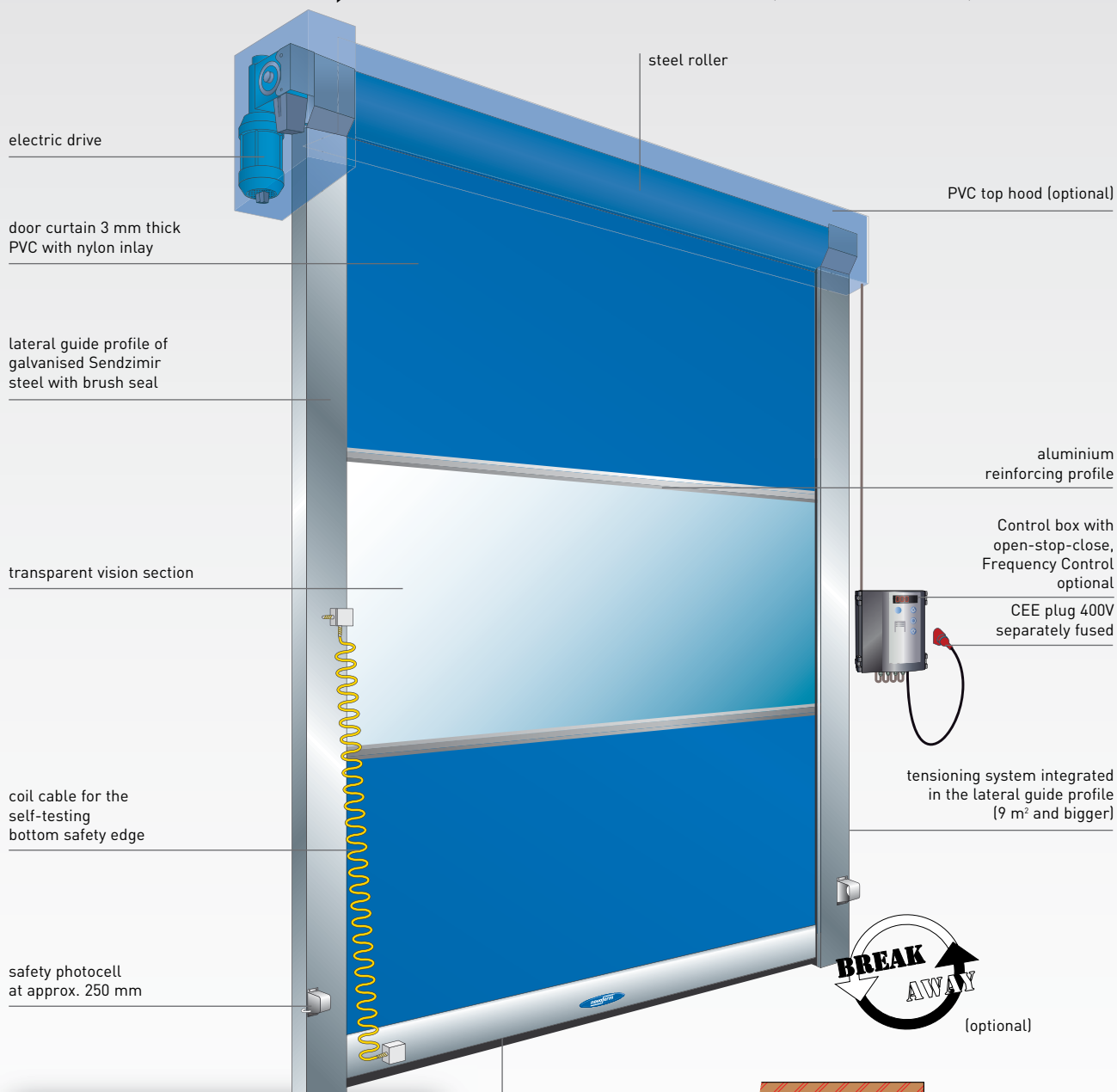


High Speed door NovoSpeed Heavy

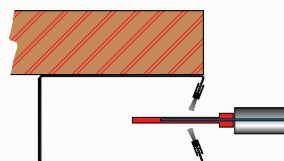
Industrial door to 36 m², wind resistant to 8 Beaufort (62 - 74 km/h)



Properties

- max. surface area (WxH) = 36 m² (up to 64 m² on request)
- max. W x H = 6000 x 6000 mm
- Class 0 wind resistant
- wind resistant to 8 Beaufort (62 - 74 km/h)
- opening speed max. 1,5 m/s
- closing speed max. 1 m/s
- 3 mm thick door curtain in blue, orange, grey or yellow, including transparent vision section
- heavy duty door for exterior openings and high wind load.

aluminium bottom beam with self-testing bottom safety edge



Guide details



www.novospeedsolutions.com



The NovoSpeed Heavy OUTDOOR is a rapid rolling door with electric drive. Applications are in industry and public utilities with exterior openings. Functionality includes; energy saving, draught exclusion and climate control.

Components and construction

The NovoSpeed Heavy OUTDOOR is a door without balance springs, consisting of an electrically driven door curtain rolled up on a roller above the opening. The door curtain is made of horizontal sections of polyester-reinforced PVC. The sections are fitted with aluminium reinforcement profiles. The door curtain has a transparent PVC vision section between approx. 1200 and 2200 mm height. The bottom of the door curtain has an aluminium bottom beam with soft rubber sealing profile. A U-shaped profile with brush seals ensures lateral guidance of the door curtain. The side guides are one unit combined with the bearing plates for the fastening of the roller and drive. A curtain tensioning system is provided for doors starting at 9 m².

Materials

The lateral guide is 2 galvanised steel profiles with brush seals removable for installation and maintenance. The horizontal roller is steel. The bottom beam is aluminium. Door curtain 3 mm thick PVC with nylon inlay, available in blue (standard), yellow, orange or grey, including transparent vision section.

Dimensions

- max. width (W) 6000 mm
- max. height (H) 6000 mm
- max. surface area (W x H) 36 m²
- max. wind load Class 0 / 8 Beaufort (62 - 74 km/h)
- lateral space at lateral guide profiles 225 mm
- lateral space not drive side (above) 275 mm
- lateral space drive side (above) 470 mm
- lateral space drive side (above) for fitting min. 750 mm
- space above 700 mm
- fitted depth (from the wall) 400 mm

Drive

The drive consists of an electric motor with reduction unit and built-in roll-off safety. The roller is directly driven.

Control

The control system regulates a multitude of functions such as:

- adjustable open time or so-called 'deadman operation'
- service and run mode
- LED indication for control of the various functions
- choice of permanently open or permanently shut.

Operation

The control box has 3 buttons as standard (open-stop-close) and a CEE plug. Operation can be by pull switch, key-operated switch, push-button, photocell, radar, induction loop detection or radio control with transmitter and receiver. Other forms of operation on request.

Performance

The standard opening and closing speed is approx. 1 m/s.

Protection

- the door can be manually opened in the case of a power loss
- the bottom beam has a self-testing bottom safety edge that stops the door and immediately opens it again if it comes into contact with an obstacle when closing; this protection is insensitive to humidity
- on the lateral guide profiles a safety photocell and reflector are fitted as standard (250 mm from the floor); the door will not close if the beam is broken
- the drive has built-in roll-off safety.

Structural provisions and connection

For the electrical connection there must be a wall socket within 500 mm of where the control box will be positioned (CEE form 3-NPE/400V/50Hz/16A). As standard this is fitted at a height of approx. 1500 mm from the floor on the drive side.

Technical details

- mains voltage 3-NPE/400V/50Hz/16A
- degree of protection IP65
- consumed power max. 3 kW

Auxiliary components/optional extras/accessories

- control by frequency control where:
 - max. opening speed 1.5 m/s
 - max. closing speed 0.5 m/s
- other connection values than 3N-400V/50Hz/16A
- electrical part in IP65
- operation by push-buttons, pull switches, photocell, radar, induction loop or by radio control
- 'half height' setting (for personnel access)
- door interlock control in combination with another door
- connection of traffic lights (red/green or red and green).
- PVC hood over drive/roller or both
- lateral guide profiles and PVC hood in customer-specified RAL colour
- aluminium 'Break Away' end pieces in the bottom beam (crash resistant); the wind resistance is then limited to 5 Beaufort (29 - 38 km/h)