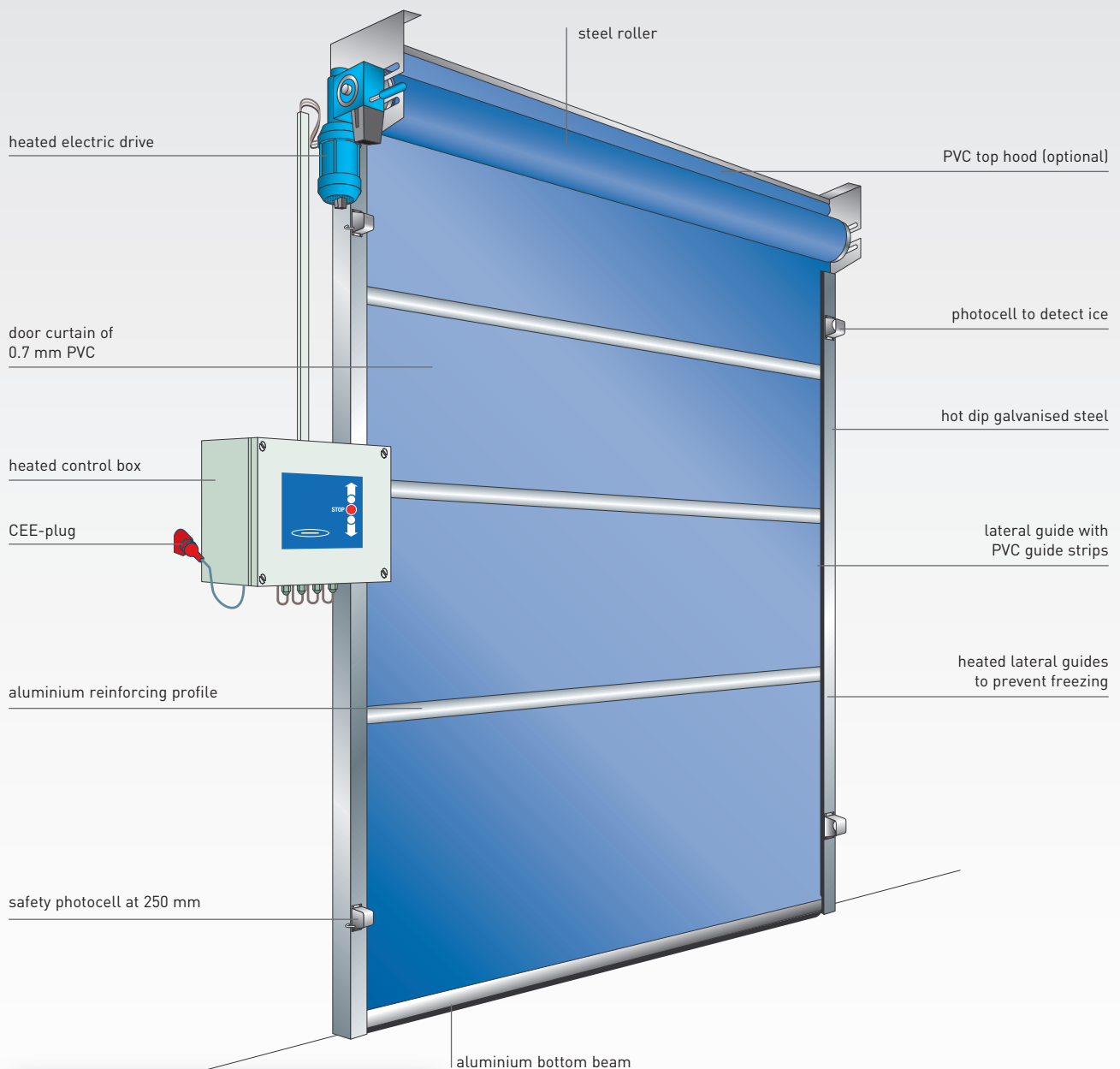


High Speed door Novo Speed Polara

Industrial interior door to 17,5 m² for use in extreme cold conditions



Properties

- applicable at temperatures down to -30°C (cold storage, freeze rooms)
- max. surface area (WxH) = 17,5 m²
- max. W x H = 3500 x 5000 mm
- wind resistant to 3 Beaufort (12 - 19 km/h)
- opening speed approx. 1 m/s
- closing speed approx. 1 m/s
- 0.7 mm thick door curtain in blue (standard), red, grey, orange, yellow, black or white.



The Novo Speed Polara is a High Speed door with electric drive. Applications are in extreme cold conditions, such as cold storage and freeze rooms. Functionality includes energy saving, draught exclusion and climate control.

Components and construction

The Novo Speed Polara 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 bottom of the door curtain has an aluminium bottom beam with rubber sealing profile. A U-shaped profile with PVC seals ensures the guidance of the door curtain. The lateral guides form one unit with the bearingplates for fitting the roller and drive.

Materials

The lateral guide is made of 2 hot dip galvanised steel profiles with brush seals removable for installation and maintenance. The horizontal roller is steel. The bottom beam is aluminium. The door curtain is 0.7 mm thick PVC with a polyester reinforcement inlay.

Colour

The door curtain is available in the colours blue, red, grey, orange, yellow, black or white.

Dimensions

- max. width 3500 mm
- max. height 5000 mm
- max. wind force 3 Beaufort (12 - 19 km/h)
- lateral space at drive side (roller height) 160 mm
- lateral space at the drive 310 mm
- lateral space at the drive for fitting min. 550 mm
- lateral space at side guide profiles 100 mm
- space above 575 mm

Drive

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

Control and operation

- the door is supplied as standard with a control box with 3 buttons (open-stop-close) and a CEE plug.
- 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

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. Other forms of operation on request

Protection

- the door can be manually opened in the case of a power loss
- radar in front and behind the door
- 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

Performance

The opening and closing speeds are approx. 1.0 m/s.

Also available optional with frequency control where:

- max. opening speed 1.5 m/s
- max. closing speed 0.5 m/s

Structural provisions and connection

- in normal circumstances no special structural provisions are required for the assembly and fitting of a NovoSpeed Polara
- 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, preferable outside the cold room
- for a control box with frequency control there must be a wall socket within a radius of 500 mm of where the control box will be positioned (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 outside the cold room

Technical details electric motor

- mains voltage standard 3N~400V/50Hz/16A
- mains voltage with frequency control LNPE~230V/50Hz/16AT
- degree of protection IP54
- consumed power max. 2 kW

Extras

Control and operation

- control by frequency control where:
 - max. opening speed 1.5 m/s
 - max. closing speed 0.5 m/s
- 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
- other connection values than 3N~400V/50Hz/16A

Protection

- connection of traffic lights (red/green or red and green)

Construction

- PVC, stainless or galvanised steel hood over roller
- PVC, stainless or galvanised steel hood over drive
- PVC, stainless or galvanised steel hood over roller and drive
- lateral guide profiles and hood in customer-specified RAL colour