

Nova Strongroll External Fast Action Folding Door

Solid - efficient - reliable

Plastic cover over E-drive

Industrial direct mount drive

Door curtain of 1.2 mm reinforced plastic fabric

Draught-free side seals integrated in the columns

Control box with Open-Stop-Close and frequency control as standard.

CEE plug 400V separately fused

Aluminium winding roller

Top hood available in PVC or galvanised steel (optional)

Hot dip galvanised steel columns

Protected with integrated light curtain as standard

Transparent windows available as an option

Standard with aluminium reinforcing profiles with integrated EndLocks

Covers of the columns are removable for easy installation and maintenance

Comes standard with **HardEdge** bottom beam



A reliable basis for intensive use

Properties

- max. surface area (WxH) = 36 m², max. width (W) = 6,000 mm, max. height (H) = 6,000 mm
- up to 4,000 mm width: wind load resistance class 4 according to EN 12424, or up to 12 Bft (133 km/h)
- above 4,000 mm width: wind load resistance class 3 according to EN 12424, or up to 11 Bft (117 km/h)
- opening speed with Frequency Control max. 1.5 m/s*, closing speed approx. 0.5 m/s
- 1.2 mm thick door curtain in blue, black, white, grey, red, orange or yellow
- permanent curtain tensioning ensures stable door operation, even with high wind loads
- EN13241 compliant



NOVA
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The Nova Strongroll is the standard fast action door for intensively used outdoor openings. Proven technology guarantees years of trouble-free operation. All aspects of the door are robustly designed and well-engineered for every day energy saving, draught exclusion and climate control.

Dimensions	
max. width	6,000 mm
max. height	6,000 mm
max. surface area	36 m ²
max. wind force up to 4,000 mm width*	Cl. 4 / 12 Bft
max. wind force above 4,000 mm width*	Cl. 3 / 11 Bft
required lateral space at the guides	195 / 240 mm*
required lateral space at slip on drive	345 / 430 mm*
required lateral space at drive for fitting	450 / 480 mm*
lateral space at side guide profiles	145 mm
space above	650 / 700 mm*

Components and construction

The Nova Strongroll is an electrically operated fast action door with a permanent door curtain tensioning system. The curtain is rolled up on a roller above the opening. The door curtain is made of horizontal sections of extremely durable polyester-reinforced PVC. The sections are fitted with aluminium reinforcement profiles with integrated EndLocks, and can be equipped with a viewing section between approx. 1,000 and 2,000 mm in height. The bottom of the door curtain has a solid HardEdge bottom beam. U-shaped columns with side-seals ensure lateral guidance of the door curtain. The lateral guides are one unit combined with the bearing plates for secure fastening to the roller and drive.

Materials

The columns are composed of a solid steel skeleton, surrounded by sendzimir galvanized steel profiles. The front covers are removable for fast and simple installation and maintenance. Unique side seals are made of highly wear-resistant plastic. The horizontal roller is aluminium. The HardEdge bottom beam is aluminium. The door curtain is a 1.2 mm thick PVC with a polyester reinforcement inlay.

Colour

The door curtain is available in the colours blue, black, white, grey, red, orange or yellow and can optionally be fitted with transparent windows¹.

Drive

The drive consists of an electric motor with reduction unit. The roller is directly driven. Drive side available left or right (standard).

Technical details electric motor

- mains voltage with frequency control 3N~400V/50Hz/16AT
- degree of protection IP65
- consumed power max. 3 kW

Performance	
control box with frequency control as standard:	
max. opening speed	1.5 m/s*
max. closing speed	0.5 m/s

Protection

- light curtain up to 2,500 mm high
- the door can be manually opened in the case of a power loss
- electric motor with reduction unit and optional roll-off safety¹

Structural provisions and connection

- a flat mounting frame and the necessary mounting space must be available
- exact installation dimensions in the Technical Datasheet
- within a radius of 500 mm of where the standard control unit with frequency-control will be positioned there must be a wall socket:
 - CEE-form red, 3N~400V/50Hz fused, slow operation 16 A fitted with a circuit-breaker of at least 300 mA
- the control box usually is fitted on the drive side, at a height of approx. 1,500 mm from the floor
- with standard CEE-plug, the control box is IP54 compliant

Control and operation

The control unit has 3 buttons (open-stop-close) and a CEE plug, and regulates a multitude of functions such as:

- adjustable open time (1-240 Sec.)
 - service and run mode
 - 7-segment display for control of the various functions
 - permanently open or permanently shut
- Additional controls that can be connected to the control box are:
- push-button, pull switch, key-operated switch, photocell, radar, induction loop detection or radio control.
- Other forms of operation on request



Available controls:

TS971, TS981

Extras¹

Control and operation

- additional controls as described above
- door interlock control in combination with another door Protection
- connection of traffic lights (red/green or red and green)
- warning light (orange or red)

Construction

- transparent windows (BxH 600x600mm) or mosquito netting
- PVC or metal hood (drive cover in PVC only)
- hood and PVC drive cover in customer-specified RAL colour

* Depending on the configuration ¹ subject to surcharge



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