



## FOLDING DOOR **NovoFold**



CLIMATE UP  
ENERGY DOWN

COMBINES A LONG LIFESPAN WITH VERY LOW MAINTENANCE REQUIREMENTS

### PROPERTIES

- max. surface area (WxH) = 36 m<sup>2</sup>
- max. width (W) = 6,000 mm, max. height (H) = 6,000 mm
- wind load resistance minimal class 3 according to EN 12424 or up to 13 Beaufort max. (134 - 149 km/h) Up to class 5 on request
- opening speed with Frequency Control max. 1.1 m/s\* closing speed approx. 0.5 m/s
- 900 gr/m<sup>2</sup>, Class M2 door curtain in white 9016, yellow 1003, orange 2004, red 3002, blue 5005/5002, green 6026, gray 7038 and black 9005
- Supplied as standard with powder coated columns optionally with a built-in safety light curtain
- developed as a very maintenance-free exterior door for doorways with a high wind load
- EN13241 compliant



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Intelligent Door Solutions

## FOLDING DOOR NovoFold

The NovoFold folding door has been developed for intensive use in outdoor openings up to 36 m<sup>2</sup> in size. Ideal for the fast daily passage of forklift trucks and large goods. The door curtain is equipped with a large number of reinforcement profiles and a unique folding technique, as a result of which it remains extremely stable even under high wind pressure. The fully closed covers and the materials used make the NovoFold suitable for long-term use under all conditions.

### DIMENSIONS

max. width	6,000 mm	
max. height	6,000 mm	
max. surface area	36 m <sup>2</sup>	
max. wind force	min. Class 3	max. Cl. 5/134-149 km/h
required lateral space at the guides	220 mm	
required lateral space at slip on drive	520 mm*	
required lateral space at non-drive side	220 mm	
required lateral space at drive for fitting	650 mm	
required space above	1,070 mm	

### COMPONENTS AND CONSTRUCTION

The NovoFold is an electrically driven folding door without balance springs. The door curtain consists of horizontal sections made of extremely durable polyester-reinforced PVC with reinforcement profiles and heavy duty belts. These belts pull the curtain into a compact package above the door opening. The door curtain can be equipped with various types of window- or insect netting sections. The bottom of the door curtain has a solid HardEdge bottom beam with a flexible bottom seal. Steel columns ensure smooth lateral guidance of the door curtain. The steel columns are mounted to the steel top cover to form one sturdy unit, onto which the roller and drive are mounted.

### MATERIALS

The door columns are made of hot dip galvanised steel. The horizontal roller is made of steel. The HardEdge bottom beam is made of aluminium and has a flexible bottom seal with opto-sensors. The door curtain is 900 gr/m<sup>2</sup>, class 2 PVC with a polyester reinforcement inlay.

### COLOUR

The door curtain is available in 9 standard colours. The columns are supplied as standard with a gray powdercoat in RAL 7011. All other RAL-colours are optionally available.

### DRIVE

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

Technical details electric motor

- mains voltage without frequency control..... 3N~400V/50Hz/16A
- mains voltage with frequency control.....LNPE-230V/50Hz/16AT
- degree of protection .....IP65
- consumed power .....max. 4 kW

### PERFORMANCE

control box <b>without</b> frequency control (standard):	
max. opening speed	0.9 m/s
max. closing speed	0.9 m/s
control box <b>with</b> frequency control (up to 5,000 x 5,000 mm):	
max. opening speed	1.1 m/s*
max. closing speed	0.5 m/s

### PROTECTION

- the door can be manually opened in the case of a power loss
- supplied as standard with Photocell and Opto-sensors

### STRUCTURAL PROVISIONS AND CONNECTION

- a flat mounting frame and necessary mounting space must be available
- exact installation dimensions in the Technical Datasheet
- within a radius of 500 mm of where the control unit without frequencycontrol will be positioned there must be a wall socket:
  - CEE-form red, 3N~400V/50Hz/16A
- within a radius of 500 mm of where the control unit with frequency-control will be positioned there must be a wall socket:
  - CEE-form blue 1 x 230V or CEE-form red 3N~400V, 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 or 'Dead man control'
- LED display for control of the various functions
- permanently open or permanently shut
- service and run mode

Depending on the size and application of the door you can choose between two types of control:

- GFA TS971
- GFA TS981

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

### EXTRAS<sup>1</sup>

#### CONTROL AND OPERATION

- frequency control (up to 5,000 x 5,000 mm maximum)
- additional controls as described above
- door interlock control in combination with another door

#### PROTECTION

- Safety light curtain up to a height of 2,500 mm
- Condor motion / presence sensor on the other side of the door as additional passage protection (TS981 control required)
- Falcon radar motion detector as additional passage protection (TS 981 control required)
- connection of traffic lights (red/green or red and green)
- warning light (orange or red)

#### CONSTRUCTION

- EasyReplace columns: these make replacing the entire door curtain even easier and faster
- NovoFold up to 7,000 x 6,800 mm W x H available on request
- windows (1,080 x 360 mm) made of transparent plastic
- metal hood and top cover in customer-specified RAL colour

\* Depending on the configuration <sup>1</sup> subject to surcharge