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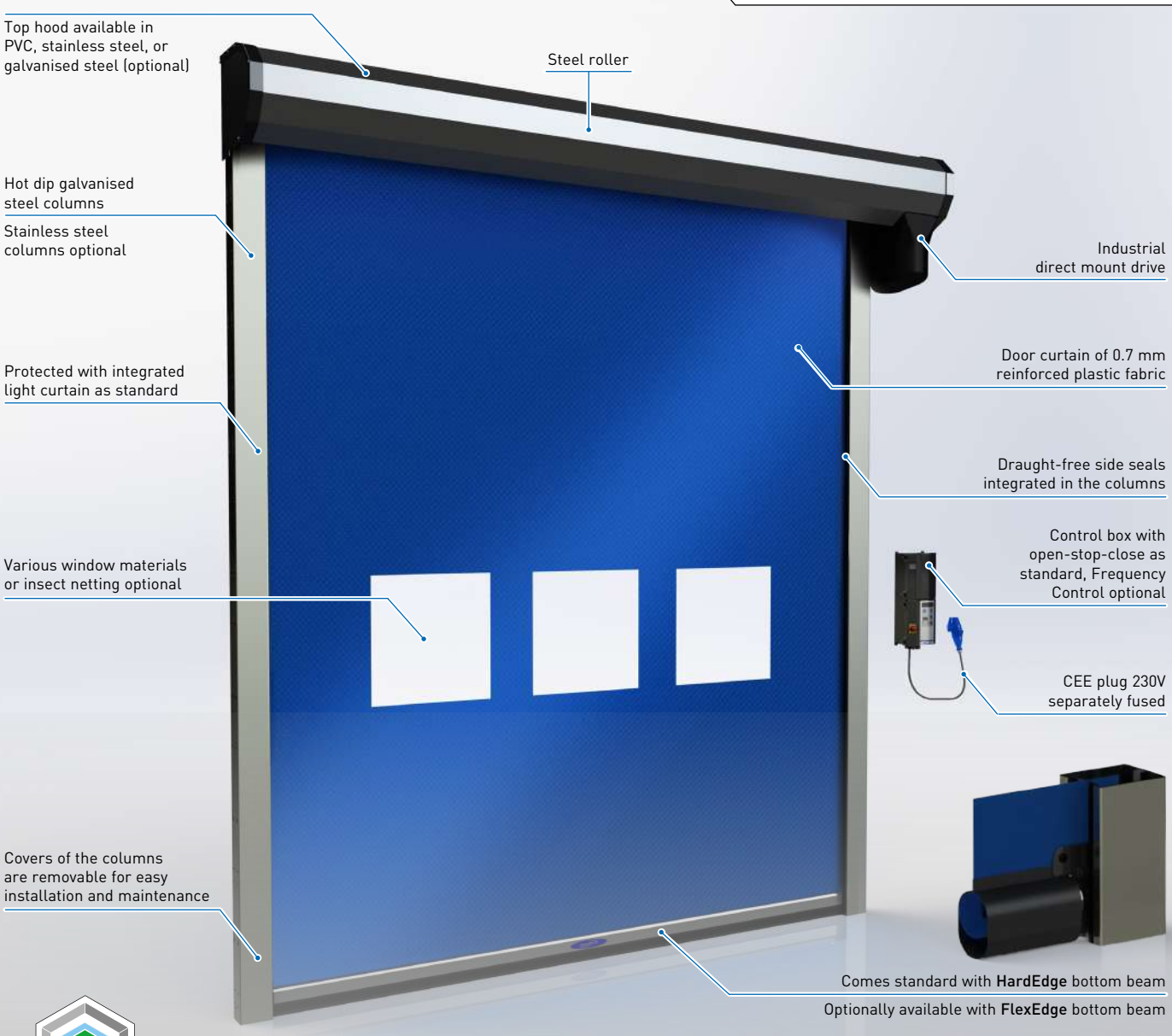

CLIMATE UP
ENERGY DOWN

SPEEDROLLER **PRIME**

THE QUICK, SILENT SOLUTION TO DRAUGHT

PROPERTIES

- max. surface area (WxH) = 12.25 m^2
- max. with (W) = 3,500 mm, max. height (H) = 3,500 mm
- wind load resistance class 0 according to EN 12424 or up to 3 Bft (12 - 19 km/h)
- wind load resistance with Windload Optimiser up to 7 Bft (50 - 61 km/h)
- opening speed with Frequency Control approx. 1.5 m/s* closing speed approx. 0.5 m/s
- 0.7 mm thick door curtain (1.2 mm optional) in blue, black, white, grey, graphite grey, red, orange or yellow
- transparent windows / mosquito nets optionally available
- suitable for smaller interior openings with a low wind load
- EN13241 compliant

DIMENSIONS	
max. width	3,500 mm
max. height	3,500 mm
max. surface area	12.25 m²
required lateral space at the guides	175 mm
required lateral space at slip on drive	285 mm
required lateral space at drive for fitting	395 mm
lateral space at side guide profiles	145 mm
space above	350 mm
WIND LOAD RESISTANCE*	
Class 0 / 3 Bft	with Windload Optimiser up to 7 Bft (50 - 61 km/h)

COMPONENTS AND CONSTRUCTION

The SpeedRoller Prime 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 extremely durable polyester-reinforced PVC and can be fitted with aluminium reinforcement profiles. Also transparent or insect netting windows are optionally available. The bottom of the door curtain has a solid HardEdge bottom beam, a flexible FlexEdge bottom beam is available as an option. U-shaped columns with sideseals 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 door columns are made of two hot dip galvanised steel profiles. The front covers are removable for fast and simple installation and maintenance. The side seals are specifically tailored to your use. The HardEdge bottom beam is aluminium, the optional FlexEdge bottom beam is sturdy but flexible and has a soft outer shell. The door curtain is a 0.7 mm thick PVC with a polyester reinforcement inlay. 1.2 mm fabric optionally available[1].

COLOUR

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

DRIVE

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

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. 1.5 kW

PERFORMANCE	
control box **without** frequency control (standard):	
max. opening speed	1 m/s
max. closing speed	1 m/s
control box **with** frequency control (optional):	
max. opening speed	1.5 m/s*
max. closing speed	0.5 m/s

PROTECTION

- the door can be manually opened in the case of a power loss
- light curtain up to 2,500 mm high

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 control unit without frequency control 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 fused, slow operation 16 A
    fitted with a circuit-breaker of at least 300 mA
- the control box usualy 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
- 7-segment 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:

- Tormatic T100R without frequency control
- Tormatic T100R-FU with frequency control

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:	T100R FU

For more information: **Novoferm Nederland BV** Tel.: +31 (0)418 654 700 E-Mail: industrie@novoferm.nl Internet: www.novoferm.com

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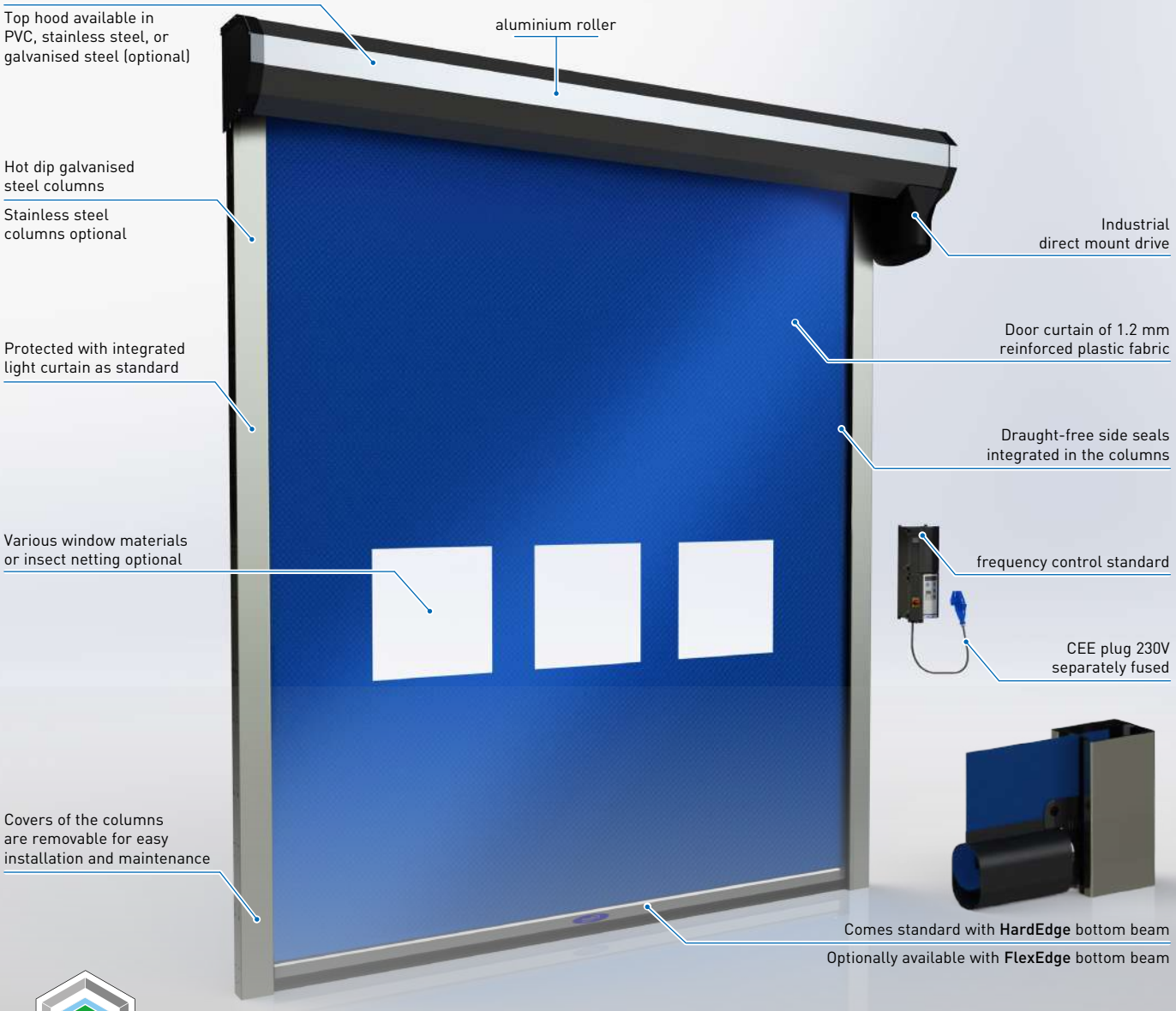

CLIMATE UP
ENERGY DOWN

SPEEDROLLER **PRIME** XF

THE EXTRA FAST, SILENT SOLUTION AGAINST DRAUGHTS

PROPERTIES

- max. surface area (WxH) = 12.25 m^2
- max. with (W) = 3,500 mm, max. height (H) = 3,500 mm
- wind load resistance class 0 according to EN 12424 or up to 3 Bft (12 - 19 km/h)
- wind load resistance with Windload Optimiser up to 7 Bft (50 - 61 km/h)
- opening speed with Frequency Control approx. 2.3 m/s* closing speed approx. 0.5 m/s
- 1.2 mm thick door curtain in blue, black, white, grey, graphite grey, red, orange or yellow
- transparent windows / mosquito nets optionally available
- suitable for smaller interior openings with a low wind load
- EN13241 compliant

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DIMENSIONS	
max. width	3,500 mm
max. height	3,500 mm
max. surface area	12.25 m²
required lateral space at the guides	170 mm
required lateral space at slip on drive	300 mm
required lateral space at drive for fitting	400 mm
lateral space at side guide profiles	145 mm
space above	400 mm

WIND LOAD RESISTANCE*	
Class 0 / 3 Bft	with Windload Optimiser up to 7 Bft (50 - 61 km/h)

COMPONENTS AND CONSTRUCTION

The SpeedRoller Prime-XF 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 extremely durable polyester-reinforced PVC and can be fitted with aluminium reinforcement profiles. Also transparent or insect netting windows are optionally available. The bottom of the door curtain has a solid HardEdge bottom beam, a flexible FlexEdge bottom beam is available as an option. U-shaped columns with sideseals 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 door columns are made of two hot dip galvanised steel profiles. The front covers are removable for fast and simple installation and maintenance. The side seals are specifically tailored to your use. The HardEdge bottom beam is aluminium, the optional FlexEdge bottom beam is sturdy but flexible and has a soft outer shell. 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, graphite grey, red, orange or yellow

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 .....LNPE~230V/50Hz/16AT
- degree of protection IP65
- consumed power .....max. 1.5 kW

PROTECTION

- the door can be manually opened in the case of a power loss
- light curtain up to 2,500 mm high

PERFORMANCE	
control box **with** frequency control:	
max. opening speed	2.3 m/s
max. closing speed	0.5 m/s

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 control unit with frequency control will be positioned there must be a wall socket:
  - CEE-form blue, 1 x 230V fused, slow operation 16 A
  fitted with a circuit-breaker of at least 300 mA
- the control box usualy 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
- 7-segment display for control of the various functions
- permanently open or permanently shut
- service and run mode

Type of control:

- Tormatic T100R-FU with frequency control

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 control:	T100R FU

EXTRAS[1]

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

- flexible 'FlexEdge' bottom beam
- windows made of transparent plastic or mosquito netting
- stainless steel columns
- PVC, metal or stainless steel hood (drive cover in PVC only)
- metal hood and PVC drive cover in customer-specified RAL colour
- color printing on the door leaf

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CLIMATE UP
ENERGY DOWN

SPEEDROLLER **STRONG**

APPEARANCE AND PERFORMANCE IN PERFECT HARMONY

MAX. WIND LOAD RESISTANCE*	
Up to 3,000 mm width	Class 2
Up to 4,000 mm width	Class 1
Up to 5,000 mm width	Class 0 (7 Bft)

PROPERTIES

- max. surface area (WxH) = 25 m^2
- max. with (W) = 5,000 mm, max. height (H) = 5,000 mm
- max. wind load resistance class 2 according to EN 12424, or up to 7 Beaufort minimal (50 - 61 km/h)
- opening speed with Frequency Control max. 1.8 m/s* closing speed approx. 0.5 m/s
- various window types available as an option
- 0.7 mm thick door curtain (1.2 mm optional) in blue, black, white, grey, graphite grey, red, orange or yellow
- designed as an inside door for larger doorways with average wind load
- EN13241 compliant

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DIMENSIONS	
max. width	5,000 mm
max. height	5,000 mm
max. surface area	25 m²
required lateral space at the guides	175 / 200 mm
required lateral space at slip on drive	300 mm
required lateral space at drive for fitting	410 mm
lateral space at side guide profiles	145 mm
space above	350 mm

MAX. WIND LOAD RESISTANCE AT CLEAR WIDTH*					
Up to 3,000 mm	Cl. 2	Up to 4,000 mm	Cl. 1	Up to 5,000 mm	Cl. 0

COMPONENTS AND CONSTRUCTION

The SpeedRoller Strong 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 extremely durable polyester-reinforced PVC. The sections are fitted with aluminium reinforcement profiles with integrated EndLocks, and can be equipped with various types of vision- or insect netting sections between approx. 1,000 and 2,000 mm height. The bottom of the door curtain has a solid HardEdge bottom beam, a flexible FlexEdge bottom beam is available as an option. U-shaped columns with sideseals 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 door columns are made of two hot dip galvanised steel profiles. The front covers are removable for fast and simple installation and maintenance. The side seals are specifically tailored to your use. The horizontal roller is steel. The HardEdge bottom beam is aluminium, the optional FlexEdge bottom beam is sturdy but flexible and has a soft outer shell. The door curtain is a 0.7 mm thick PVC with a polyester reinforcement inlay. 1.2 mm fabric optionally available[1].

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 without frequency control ..... 3N~400V/50Hz/16A
- mains voltage with frequency control .....LNPE~230V/50Hz/16AT
- degree of protection IP65
- consumed power .....max. 2 kW

PERFORMANCE	
control box **without** frequency control (standard):	
max. opening speed	0.7 m/s
max. closing speed	0.5 m/s
control box **with** frequency control (optional):	
max. opening speed	1.8 m/s*
max. closing speed	0.5 m/s

COLOUR

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

PROTECTION

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

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 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 fused, slow operation 16 A
    fitted with a circuit-breaker of at least 300 mA
- the control box usualy 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
- 7-segment 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:

- Tormatic T100R without frequency control
- Tormatic T100R-FU with frequency control

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:	T100R	T100R FU

EXTRAS[1]

CONTROL AND OPERATION

- frequency control
- 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

- 1.2 mm thick door leaf
- flexible 'FlexEdge' bottom beam
- window sections made of mosquito netting
- stainless steel columns
- PVC, metal or stainless steel hood (drive cover in PVC only)
- metal hood and PVC drive cover in customer-specified RAL colour

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CLIMATE UP
ENERGY DOWN

SPEEDROLLER **STRONG** FullVision

A CLEAR SOLUTION FOR BUSY PASSAGES

MAX. WIND LOAD RESISTANCE*	
Up to 3 X 4 m	Class 1
From 3 X 4 m.	Class 0 (7 Bft)

PROPERTIES

- max. surface area (WxH) = 25 m^2
- max. with (W) = 5,000 mm, max. height (H) = 5,000 mm
- wind load resistance class 1 according to EN 12424 or up to 7 Beaufort minimal (50 - 61 km/h)
- opening speed with Frequency Control max. 1.8 m/s* closing speed approx. 0.5 m/s
- 0.8 mm thick door curtain
- EN13241 compliant

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DIMENSIONS	
max. width	5,000 mm
max. height	5,000 mm
max. surface area	25 m²
required lateral space at the guides	175 / 200 mm
required lateral space at slip on drive	300 mm
required lateral space at drive for fitting	410 mm
lateral space at side guide profiles	145 mm
space above	350 mm

MAX. WIND LOAD RESISTANCE AT CLEAR WIDTH*			
Up to 3 X 4 m.	Class 1	From 3 X 4 m.	Class 0

COMPONENTS AND CONSTRUCTION

The SpeedRoller Strong-FullVision is a door without balance springs, consisting of an electrically driven transparent door curtain rolled up on a roller above the opening. The door curtain is made of horizontal sections of extremely durable PVC. The sections are fitted with aluminium reinforcement profiles.The bottom of the door curtain has a solid HardEdge bottom beam. U-shaped columns with sideseals 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 door columns are made of two hot dip galvanised steel profiles. The front covers are removable for fast and simple installation and maintenance. The side seals are specifically tailored to your use. The horizontal roller is steel. The HardEdge bottom beam is aluminium. The door curtain is a 0.8 mm thick transparent PVC, the upper section is optionally made of 0.7 mm gray polyester-reinforced PVC.

DRIVE

The drive consists of an electric motor with reduction unit and built-in roll-off safety. 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. 2 kW

PERFORMANCE	
control box **without** frequency control (standard):	
max. opening speed	0.7 m/s
max. closing speed	0.5 m/s
control box **with** frequency control (optional):	
max. opening speed	1.8 m/s*
max. closing speed	0.5 m/s

PROTECTION

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

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 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 fused, slow operation 16 A fitted with a circuit-breaker of at least 300 mA
- the control box usualy 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
- 7-segment 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:

- Tormatic T100R without frequency control
- Tormatic T100R-FU with frequency control

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:	T100R FU

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CLIMATE UP
ENERGY DOWN

SPEEDROLLER **STRONG** E

ALL ESSENTIAL FUNCTIONS IN AN ECONOMY PACKAGE

PROPERTIES

- max. surface area (WxH) = 9 m^2
- max. width (W) = 3,000 mm, max. height (H) = 3,500 mm
- wind load resistance class 0 according to EN 12424 or up to 5 Beaufort max. (29 - 38 km/h)
- opening speed with Frequency Control max. 1.8 m/s* closing speed approx. 0.5 m/s
- 0.7 mm thick door curtain in blue, black, white, grey, graphite grey, red, orange or yellow
- various window types available as an option
- designed as an inside door for larger doorways with average wind load
- EN13241 compliant

DIMENSIONS	
max. width	3,000 mm
max. height	3,500 mm
max. surface area	9 m²
required lateral space at the guides	175 / 200 mm
required lateral space at slip on drive	300 mm
required lateral space at drive for fitting	410 mm
lateral space at side guide profiles	145 mm
space above	350 mm

COMPONENTS AND CONSTRUCTION

The SpeedRoller Strong-E 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 extremely durable polyester-reinforced PVC. The sections are fitted with alu-minium reinforcement profiles and can be equipped with various types of vision- or insect netting sections. The bottom of the door curtain has a solid HardEdge bottom beam, a flexible FlexEdge bottom beam is available as an option. 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 door columns are made of two hot dip galvanised steel profiles. The front covers are removable for fast and simple installation and maintenance. The side seals are specifically tailored to your use. The horizontal roller is steel. The HardEdge bottom beam is alumi-nium, the optional FlexEdge bottom beam is sturdy but flexible and has a soft outer shell. The door curtain is a 0.7 mm thick PVC with a polyester reinforcement inlay.

COLOUR

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

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 without frequency control..... 3N~400V/50Hz/16A
- mains voltage with frequency control .....LNPE~230V/50Hz/16AT
- degree of protection IP65
- consumed power .....max. 2 kW

PERFORMANCE	
control box **without** frequency control (standard):	
max. opening speed	1 m/s
max. closing speed	1 m/s
control box **with** frequency control (optional):	
max. opening speed	1.8 m/s*
max. closing speed	0.5 m/s

PROTECTION

- the door can be manually opened in the case of a power loss
- safety light curtain up to 2,500 mm high

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 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 fused, slow operation 16 A
  fitted with a circuit-breaker of at least 300 mA
- the control box usualy 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
- 7-segment 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:

- Tormatic T100R without frequency control
- Tormatic T100R-FU with frequency control

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: T100R

EXTRAS[1]

CONTROL AND OPERATION

- frequency control
- 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

- 1.2 mm thick door leaf
- flexible 'FlexEdge' bottom beam
- window sections made of mosquito netting
- stainless steel columns
- PVC, metal or stainless steel hood (drive cover in PVC only)
- metal hood and PVC drive cover in customer-specified RAL colour

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CLIMATE UP
ENERGY DOWN

SPEEDROLLER **STRONG** *Outdoor*

THE HEAVY DUTY SOLUTION FOR DEMANDING SITUATIONS

PROPERTIES

- max. surface area (WxH) = 36 m^2
- 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 Beaufort minimal (133 km/h)
- above 4,000 mm width:
  - Wind load resistance class 3 according to EN 12424
  - or up to 11 Beaufort minimal (117 km/h)
- opening speed with Frequency Control max. 1.8 m/s* closing speed approx. 0.5 m/s
- 1.2 mm thick door curtain in blue, black, white, grey, graphite grey, red, orange or yellow
- permanent curtain tensioning ensures stable door operation, even in larger doorways with high wind loads
- transparent windows available as an option
- EN13241 compliant

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DIMENSIONS	
max. width	6,000 mm
max. height	6,000 mm
max. surface area	36 m²
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	175 / 200 mm*
required lateral space at slip on drive	345 / 360 mm*
required lateral space at drive for fitting	545 / 560 mm*
lateral space at side guide profiles	145 mm
space above	650 / 700 mm*

COMPONENTS AND CONSTRUCTION

The Strong Outdoor is an electrically operated high-speed door with a permanent curtain tensioning system. The door 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 window 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 sideseals 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, graphite grey, red, orange or yellow and and can optionally be fitted with transparent windows[1].

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 (standard):	
max. opening speed	1.8 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 safety[1]

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 usualy 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.)
- 7-segment display for control of the various functions
- permanently open or permanently shut
- service and run mode

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 control: T100R FU 3 kW

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ENERGY DOWN

SPEEDROLLER **NovoZip**

SELF-REPAIRING RAPID ROLL DOOR, ALSO FOR OUTDOORS

PROPERTIES

- max. W x H = 4,500 x 4,500 mm
- wind load resistance minimal class 3 according to EN 12424, or up to 11 Beaufort (103 - 117 km/h)*
- opening speed with Frequency Control max. 2.0 m/s* closing speed approx. 0.5 m/s
- the solution for optimal logistics within your business premises
- 900 gr/m^2, class M2 door curtain in white RAL 9016, yellow RAL 1003, orange RAL 2004, red RAL 3002, blue RAL 5015/5002, green RAL 6026, gray RAL 7038 and black RAL 9005
- continues to function reliably even under heavy use
- EN13241 compliant

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SPEEDROLLER **NOVOZIP**

The self-repairing SpeedRoller NovoZip is the ideal solution for openings of up to 20.25 m^2 and intensive use. The self-repairing operation of the self-lubricating track reduces interruptions and ensures minimum delay in the production process. The NovoZip is intended as a fast, user-friendly room divider and provides very good draught exclusion and climate control. This results in significant energy savings.

Dimensions	
max. width (W)	4,500 mm
max. height (H)	4,500 mm
max. surface area	20.25 m²
max. wind force*	Cl. 3 / 11 Bft
required lateral space at the guides	110 mm
required lateral space at slip on drive*	310 / 610 mm
required space above door opening	500 mm
depth top hood	370 mm
required depth for mounting top hood*	650 / 700 mm

COMPONENTS AND CONSTRUCTION

The NovoZip has a 900 gr/m^2, class M2 door curtain made of a polyester-reinforced synthetic material, with a flexible rubber sealing profile at the bottom. The steel columns with a zipper closure ensure the guidance of the door curtain. These form one taut unit with the top brackets for the fastening of the roller and protective hood.

MATERIALS

The guides and roller are made of galvanised steel. The PVC door curtain has a polyester reinforcement inlay. The FlexEdge bottom beam is made of PVC. The protective hood is available in galvanized steel or optionally in stainless steel. All PVC parts can be recycled.

COLOURS

The door curtain is available in 9 colours. The door curtain can be provided with transparent windows (option). The steel guides and top cover are in galvanized steel as standard, but a powdercoating with your choise of RAL-colour is also available as an option.[1]

DRIVE

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

Technical details electric motor

- mains voltage.....LNPE~230V/50Hz/16AT
- degree of protection IP65
- consumed power .....max. 1,5 kW

Performance	
max. opening speed*	2.0 m/s
max. closing speed	0.5 m/s

PROTECTION

- the door can be manually opened in the case of a power loss
- safety light curtain and to max. height 2500 mm. If this curtain is interrupted by an obstacle the door will automatically fully open until the screen is freed again. This does not apply to the door in closed position.

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 control unit will be positioned there must be a wall socket:
  - CEE-form blue, 1 x 230V fused, slow operation 16 A
    fitted with a circuit-breaker of at least 300 mA
- the control box usualy 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 so called '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[1]

CONTROL AND OPERATION

- additional controls as described above available at surcharge
- door interlock control in combination with another door

PROTECTION

- connection of traffic lights (red/green or red and green)
- orange flashing warning light
- steel bumpers to prevent damage to the guide columns

CONSTRUCTION

- thick 1050 gr/m^2 white door curtain for cleanroom applications
- 1000 x 500 mm transparent plastic windows: from 940 mm to 2500 mm wide 1 window, up from 2500 mm wide 2 windows.*
- guide columns and top cover in customer-specified RAL colour (powder coating)

* Required lateral space for mounting the slip on drive.
There are two versions:
- attach the drive on the shaft **before** mounting the top section, the required lateral space will be 310 mm
- attach the drive on the shaft **after** mounting the top section, the required lateral space will be 610 mm

* Depending on the configuration [1] subject to surcharge

For more information: **Novoferm Nederland BV** Tel.: +31 (0)418 654 700 E-Mail: industrie@novoferm.nl Internet: www.novoferm.com

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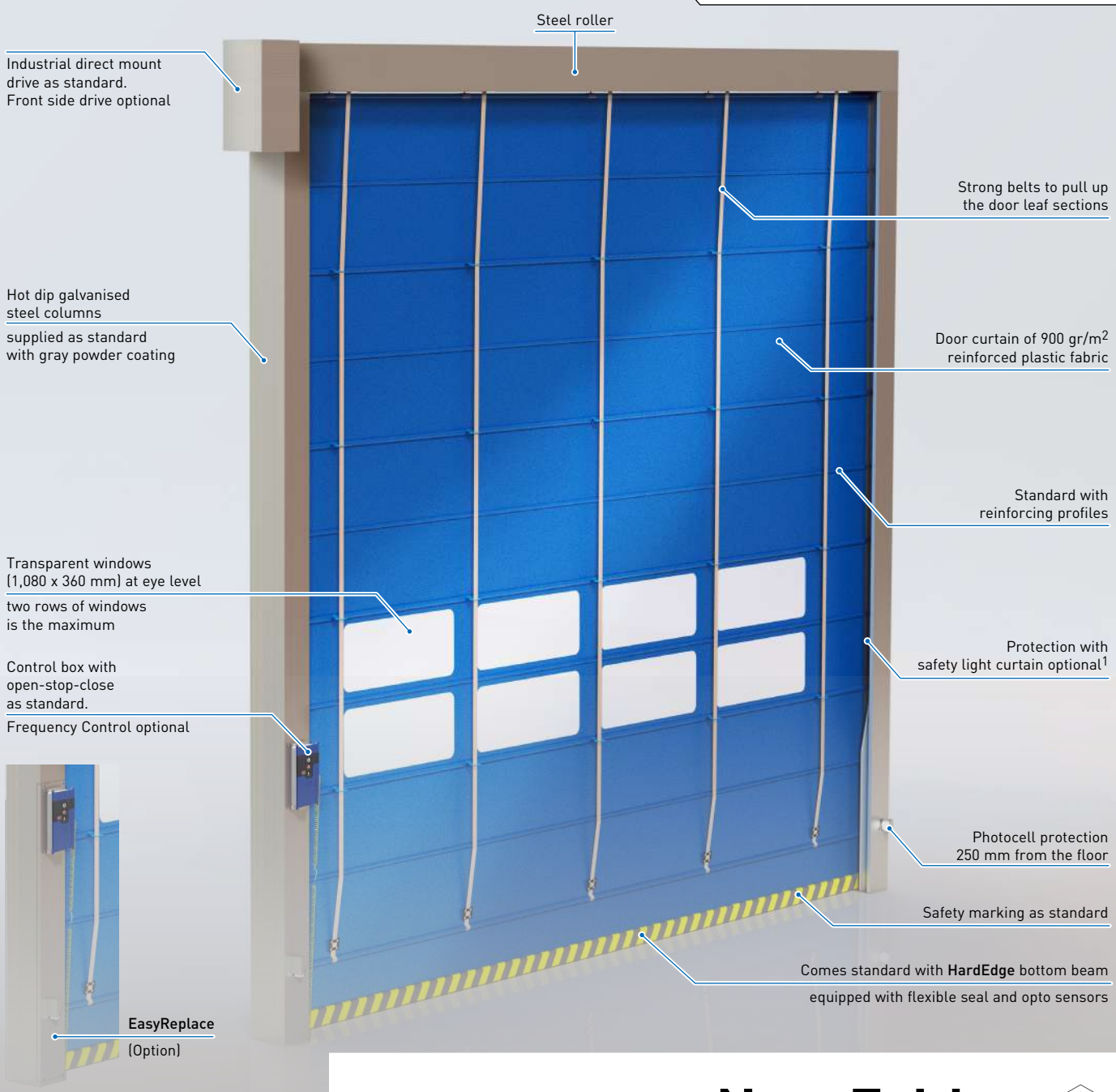

FOLDING DOOR **NovoFold**

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COMBINES A LONG LIFESPAN WITH VERY LOW MAINTENANCE REQUIREMENTS

PROPERTIES

- max. surface area (WxH) = 36 m^2
- 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^2, Class M2 door curtain in white 9016, yellow 1003, orange 2004, red 3002, blue 5015/5002, 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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FOLDING DOOR **NovoFold**

The NovoFold folding door has been developed for intensive use in outdoor openings up to 36 m^2 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 m²
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^2, 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 **without** frequency control (standard):	
max. opening speed	0.9 m/s
max. closing speed	0.9 m/s
control box **with** 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 usualy 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[1]

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 [1] subject to surcharge

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SPEEDROLLER **RETAIL**

SUPER FAST INTERIOR DOOR FOR RETAIL STORES

PROPERTIES

- max. W x H = 2,250 x 2,600 mm
- min. W x H = 700 x 2,000 mm
- wind load resistance class 1 according to EN 12424 - or up to 9 Beaufort (75 - 88 km/h)
- opening speed max. 2 m/s, closing speed 0.5 m/s
- 0,7 mm thick door curtain in blue, red, grey, orange, yellow, black or white
- full colour printing on the door curtain (on request)
- EN13241 compliant

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DIMENSIONS	
max. width (W)	2,250 mm
max. height (H)	2,600 mm
max. wind force	3 Beaufort
required lateral space at the guides	170 mm
required lateral space at slip on drive*	260 / 385 mm
required space above door opening	455 mm
required depth for mounting top hood	650 mm

COMPONENTS AND CONSTRUCTION

The Retail has a 0.7 mm thick door leaf made of a polyester-reinforced synthetic material. The closing side of the door curtain consists of a flexible rubber sealing profile. The steel columns with brush seals ensure the guidance of the door leaf. These form one taut unit with the brackets for the fastening of the roller and protective hood.

MATERIALS

The guides are made of galvanised steel. The roller is made of Aluminium. The PVC door curtain has a polyester reinforcement inlay. The protective hood is available in PVC, stainless steel, aluminum or galvanized steel . The Flex Edge bottom beam is only avaiable in PVC. All used PVC parts can be recycled.

COLOURS

The door curtain is available in the colours blue (standard), orange, yellow, black, grey, red or white. The door curtain can optionally be provided with windows, or the door curtain can be printed with your picture or logo (optionally). The finishing touch for your store!

DRIVE

The drive consists of an industrial tube motor assembled in the roller. As a result the necessary lateral space is minimal. Drive side on the right (standard) or left.

Technical details electric motor

- mains voltage.....LNPE~230V/50Hz/16AT
- degree of protection IP65
- consumed power .....max. 1.5 kW

PERFORMANCE	
max. opening speed	2 m/s
max. closing speed	0.5 m/s

PROTECTION

- safety light curtain (IP67 and to max. height 2,500 mm). If this curtain is interrupted by an obstacle the door will automatically fully open until the screen is freed again. This does not apply to the door in closed position.
- mechanical emergency unlocking (after unlocking the door opens)

STRUCTURAL PROVISIONS AND CONNECTION

- a flat mounting frame and the necessary mounting space must be available. The self-supporting construction must only be fixed at the floor and at the roller
- exact installation dimensions in the Technical Datasheet.
- 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 fused, slow operation 16 A
  - fitted with a circuit-breaker of at least 300 mA
- the control box usualy is fitted on the drive side, at a height of approx. 1500 mm from the floor
- with standard CEE-plug, the control box is IP54 compliant

CONTROL AND OPERATION

The control system has 3 buttons (open-stop-close) and 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:

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

EXTRAS[1]

Available control:	T100R FU

CONTROL AND OPERATION

- additional controls as described above available at surcharge
- door interlock control in combination with another door

PROTECTION

- connection of traffic lights (red/green or red and green) or orange flashing light
- steel bumpers to prevent damage to the guide columns

CONSTRUCTION

- guide columns in customer-specified RAL colour (powder coating)
- full colour printing of the door curtain (on request)

* Required lateral space for mounting the slip on drive.
There are two versions:
- attach the drive on the shaft before mounting the top section, the required lateral space will be 260 mm
- attach the drive on the shaft after mounting the top section, the required lateral space will be 385 mm

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