

NOVOSPEED THERMO

THE SUPERFAST AND SPACE-SAVING SPIRAL-DOOR

PROPERTIES

- max. surface area (WxH) = 25 m²
- max. W x H = 5,000 x 5,000 mm
- U-value at 5,000 x 5,000 mm ISO panels: 1.77 W/m²K
- wind load resistance class 2- 3 (89 - 133 km/h) according to EN12424
- high opening speed up to 1.1 m/s
- low maintenance springless system
- quick and simple installation because of pre-assembled track and drive-system
- EN 13241 compliant



CLIMATE UP
ENERGY DOWN



Intelligent Door Solutions

NOVOSPEED THERMO

The NovoSpeed Thermo spiral door opens 6 x faster than similar sectional doors and is therefore extremely suitable in an environment where you have intensive logistic movements. This door opens fast - depending on the door size up to 1.1 M per second - and real savings on the energy cost can be achieved. A revolutionary spiral system with specially designed rollers has an uninterrupted chain-/steel-cable system with direct drive. This patented system also contributes to the sleek design of the NovoSpeed Thermo. The powerful electric drive has a frequency converter. There is a choice of finishes and controls.

DIMENSIONS	
max. width (W)	5,000 mm
max. height (H)	5,000 mm
max. surface area	25 m ² (350 kg)
openingspeed	1.1 m/s
closingspeed	0.5 m/s
section thickness	40 mm
section joint	Finger-pinch-protection
NovoLux-sections possible	yes
μ value at 5.000 x 5.000 mm	1.77 W/m ² K (complete ISO)

COMPONENTS AND CONSTRUCTION

The NovoSpeed Thermo is a high speed spiral door which consists of Microline sections with a working height of 366 mm. During the opening of the door the sections run along a spiral-shaped rail. A powerful drive allows the door to quickly and silently run along the unique rail system.

MATERIALS

- horizontal sandwich-sections consisting of an outer and inner shell of galvanized steel with a CFC-free polyurethane (PUR) core with finger-pinch-protection
- standard section height 366 mm
- panel thickness 40 mm
- rails made of sendzimir galvanized steel
- vibration-free rollers with ball bearings
- middle hinges in galvanized version
- mounting of door fittings with electrolytically galvanized parkers with serrated fixed ring
- specially developed top and bottom sealing
- unique side seal
- wind- and waterproof seal between the panels

WINDOW OPTIONS

The NovoSpeed Thermo is also available with one or more sections made of anodized aluminium profiles, filled with insulating double glazing.

SURFACE TREATMENT

- the outside of the sections has a polyester-coating in RAL9002 (Off-white) or RAL9006 (aluminium silver)
- the inside of the sections has a polyester-coating in RAL9002 (Off-white)

DRIVE

The door is powered by an electric motor with gear unit. Drive side on the right or left.

Technical details electric drive

- power.....400V 3 ph / N + PE / 50Hz / 16A
- degree of protectionIP 65

PROTECTION

- EN13241 compliant
- safety light curtain (IP65 and to max. height 2,500 mm)
- the door can be manually opened in the case of a power loss
- finger-pinch-protection

STRUCTURAL PROVISIONS AND CONNECTION (by others)

- separate technical data sheets detailing dimensional and structural requirements are available on request
- for both the electric drive and control box a wall socket must be present, within 0.5 m at 1,500 mm height to the left or right next to the door (400V 3 ph / N + PE / 50Hz / 16A)
- the control box is usually 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
- 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:

- push-button, electronic keypad, pull switch, key-operated switch, photocell, radar, induction loop detection or remote control



Available controls:

TS971, TS981

OPTIONS / ACCESSORIES¹

CONTROL AND OPERATION

- additional controls as described above
- control box directly wired (control box IP65)
- main switch directly wired on the control box (IP65)

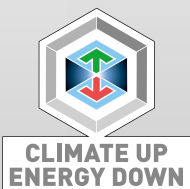
PROTECTION

- connection of traffic lights (red/green or red and green)
- Warning flash light (orange or red)

CONSTRUCTION

- customer-specified RAL coating on inside and/or outside of the sections (with the exception of fluorescent and traffic colours)

¹ subject to surcharge



NOVOSPEED THERMO S600

THE HIGH SPEED, INSULATING INDUSTRIAL DOOR

PROPERTIES

- max. surface area (WxH) = 25 m²
- max. W x H = 5,000 x 5,000 mm
- U-value at 5,000 x 5,000 mm ISO panels: 1.77 W/m²K
- wind load resistance class 2- 3 according to EN 12424 or up to 10 - 12 Beaufort (89 - 133 km/h)
- high opening speed up to 1.1 m/s
- low maintenance springless system
- quick and simple installation because of pre-assembled track and drive-system
- EN13241 compliant



**CLIMATE UP
ENERGY DOWN**



Intelligent Door Solutions

NOVOSPEED THERMO S600

The NovoSpeed Thermo S600 sectional door opens 6 x faster than similar sectional doors and is therefore extremely suitable in an environment where you have intensive logistic movements. This door opens fast - depending on the door size up to 1.1 M per second - and real savings on the energy cost can be achieved. A standard rail system with specially designed rollers has an uninterrupted chain-/steel-cable system with direct drive. This patented system also contributes to the sleek design of the NovoSpeed Thermo S600. The powerful electric drive has a frequency converter. There is a choice of finishes and controls.

DIMENSIONS	
max. width (W)	5,000 mm
max. height (H)	5,000 mm
max. surface area	25 m ² (350 kg)
openingspeed	1,1 m/s
closingspeed	0.5 m/s
section thickness	40 mm
section joint	Finger-pinch-protection
NovoLux-sections possible	yes
μ value at 5,000 x 5,000 mm	1.77 W/m ² K (complete ISO)

COMPONENTS AND CONSTRUCTION

The NovoSpeed Thermo S600 is a high speed sectional door which consists of Microline sections with a working height of 366 mm. During the opening of the door the sections roll on a rail system under the ceiling. A powerful drive allows the door to quickly and silently run along the rail system.

MATERIALS

- horizontal sandwich-sections consisting of an outer and inner shell of galvanized steel with a CFC-free polyurethane (PUR) core with finger-pinch-protection
- standard section height 366 mm
- panel thickness 40 mm
- rails made of sendzimir galvanized steel
- vibration-free rollers with ball bearings
- middle hinges in galvanized version
- mounting of door fittings with electrolytically galvanized parkers with serrated fixed ring
- specially developed top and bottom sealing
- unique side seal
- wind- and waterproof seal between the panels

WINDOW OPTIONS

The NovoSpeed Thermo S600 is also available with one or more sections made of anodized aluminium profiles, filled with insulating double glazing.

SURFACE TREATMENT

- the outside of the sections has a polyester-coating in RAL9002 (Off-white) or RAL9006 (aluminium silver)
- the inside of the sections has a polyester-coating in RAL9002 (Off-white)

DRIVE

The door is powered by an electric motor with gear unit. Drive side on the right or left.

Technical details electric drive

- power.....400V 3 ph / N + PE / 50Hz / 16A
- degree of protection.....IP 65

PROTECTION

- EN13241 compliant
- safety light curtain (IP65 and to max. height 2500 mm)
- the door can be manually opened in the case of a power loss
- finger-pinch-protection

STRUCTURAL PROVISIONS AND CONNECTION (by others)

- separate technical data sheets detailing dimensional and structural requirements are available on request
- for both the electric drive and control box a wall socket must be present, within 0.5 m at 1500 mm height to the left or right next to the door (400V 3 ph / N + PE / 50Hz / 16A)
- the control box is usually 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 system has 3 buttons (open-stop-close) and regulates a multitude of functions such as:

- adjustable open time
- 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:

- push-button, electronic keypad, pull switch, key-operated switch, photocell, radar, induction loop detection or remote control



Available controls:

TS971, TS981

OPTIONS / ACCESSORIES¹

CONTROL AND OPERATION

- additional controls as described above
- control box directly wired (control box IP65)
- main switch directly wired on the control box (IP65)

PROTECTION

- connection of traffic lights (red/green or red and green)
- Warning flash light (orange or red)

CONSTRUCTION

- customer-specified RAL coating on inside and/or outside of the sections (with the exception of fluorescent and traffic colours)

¹ subject to surcharge



THERMO 40 mm SECTIONAL DOOR

NOVOFERM'S ALL-ROUNDER

PROPERTIES

- max. surface area (WxH) = 48 m²
- max. W x H = 8,000 x 6,000 mm
- U-value ISO 40 mm sectional door:
5,000x5,000 mm: 1.19 W/m²K
- wind load resistance class 3-4 according to EN 12424
or up to 12-13 Beaufort (118 - 149 km/h)
- stable sections with microline profiling
in 19 standard RAL colors at no extra cost
- manual or electrically operated
- integrated wicket door available
- EN13241 compliant



CLIMATE UP
ENERGY DOWN



Intelligent Door Solutions

THERMO 40 mm SECTIONAL DOOR

The Thermo 40 mm sectional door is the best selling Novoferm door. The door combines excellent thermal and sound insulation properties with modern designed micro-profiled panels. The possibilities are limitless in design and content, so the door is always perfectly configured for any situation. Choose from a variety of window types, heights and widths and a variety of 19 standard Novoferm in-house RAL colours.

DIMENSIONS	
max. width (W)	8,000 mm
max. height (H)	6,000 mm
max. surface area	48 m ²
max. wind force	Class 3-4
section thickness	40 mm
NovoLux-sections possible	yes
μ value at 5.000 x 5.000 mm	1.19 W/m ² K (completely shut)

COMPONENTS AND CONSTRUCTION

The Thermo 40 mm sectional door consists of horizontal panels that roll on a rail system under the ceiling. Torsion springs balance the door's weight, making manual operation possible. In addition to standard lift, extra lift, vertical lift, roof slope lift and low lift are also available.

MATERIALS

- thermally insulated, galvanized steel sandwich panels, insulated with polyurethane foam (CFC-free)
- panel thickness 40 mm
- end caps in galvanized steel
- rails made of Sendzimir galvanized steel
- door fittings in galvanized steel
- rollers with nylon wheels and 11 mm steel shaft
- steel cables with sixfold safety
- plastic handle and foot bowl in the bottom section of manually operated doors
- top, side and bottom seal of insulating material
- seal between the panels of insulating material

SURFACE TREATMENT

- the exterior side of the panels has a microline profiling and a polyester-coating in RAL3000, RAL5003, RAL5010, RAL 6005, RAL6009, RAL7005, RAL7015, RAL7016, RAL7021, RAL7022, RAL7035, RAL8014, RAL9002, RAL9005, RAL9006, RAL9007, RAL9010, BS10A05 or BS18B25. Other RAL colors available¹
- the interior side of the panels has a horizontal profiling and a polyester-coating in RAL9002. Other RAL colors available¹

WINDOW AND PANEL OPTIONS

- various oblong window sizes available, with straight or rounded corners, containing single or double insulating glazing
- extra low burglar resistant windows or attractive round windows
- one or more NovoLux panels constructed of anodized aluminum profiles with double acrylic, polycarbonate or Plexiglas glazing, or single-walled perforated aluminium plate in 2 variations

DRIVE

Manual control with cord or chain reel, or an electric motor with reduction gear. The control unit is available as standard with deadman's control, pulse control or remote control.

Technical details electric drive

- power..... 1N-230V-PE / 3-230V-PE / 3N-400V-PE / 3-400V-PE
- powerfrequency:..... 50 / 60Hz
- degree of protectionIP 65

PROTECTION

- emergency hand chain hoist at operating height
- spring break protection
- slack cable protection
- according to EN 13241

CONTROL AND OPERATION

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

- adjustable open time or 'deadman operation'
- 'half height' setting (for persons or small goods transit)
- 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 remote control



Available control box:

T100

STRUCTURAL PROVISIONS AND CONNECTION (by others)

- separate technical data sheets detailing dimensional and structural requirements are available for all designs and track systems
- if an electric motor is specified, a CEE plug socket must be installed within 500 mm of where the motor and/or control unit will be positioned (1N-230V-PE / 3-230V-PE / 3N-400V-PE / 3-400V-PE, by others)
- with standard CEE-plug, the control box is IP54 compliant

OPTIONS / ACCESSORIES¹

CONTROL AND OPERATION

- fast version (with frequency control)
- additional controls as described above

PROTECTION

- leading photocell (without wiring at the door)
- cable break protection
- anti lift protection
- connection of traffic lights (red/green or red and green)
- warning flash light (orange or red)
- heavy shoot bolt with spring return
- outside locking cylinder

CONSTRUCTION

- integrated, outward opening wicket door with closer and cylinder lock (max. Opening width 6000 mm)
- separate 'wicket door', next to the Thermo 40 door (custom made, with fixed panels above or next to the door)
- customer-specified RAL coating on inside and/or outside of the sections (with the exception of fluorescent and traffic colours)
- adjusted wind restriction
- 30,000 or 60,000 cycle springs

¹ subject to surcharge



THERMO 40 mm XXL SECTIONAL DOOR

NOVOFERM'S ALL-ROUNDER FROM 8,000 MM WIDTH

PROPERTIES

- max. surface area (WxH) = 60 m²
- max. W x H = 10,000 x 6,000 mm
- U-value ISO 40 mm sectional door:
 - 5,000x5,000 mm: 1.19 W/m²K
- wind load resistance class 3 according to EN 12424 or up to 1 Beaufort (103 - 117 km/h)
- stable sections with microline profiling in 19 standard RAL colors at no extra cost
- EN13241 compliant

THERMO 40 mm XXL

The Thermo 40 mm XXL sectional door is the best selling Novoferm door. The door combines excellent thermal and sound insulation properties with modern designed micro-profiled panels. The possibilities are limitless in design and content, so the door is always perfectly configured for any situation. Choose from a variety of window types, heights and widths and a variety of 19 standard Novoferm in-house RAL colours.

DIMENSIONS	
max. width (W)	10,000 mm
max. height (H)	6,000 mm
max. surface area	60 m ²
max. wind force	Class 3
section thickness	40 mm
NovoLux-sections possible	8,000 - 9,000 mm: 2 9,000 - 10,000 mm: 1
ISO-windows possible	1 panel

COMPONENTS AND CONSTRUCTION

The Thermo 40 mm XXL sectional door consists of horizontal panels that roll on a rail system under the ceiling. Torsion springs balance the door's weight.

MATERIALS

- thermally insulated, galvanized steel sandwich panels, insulated with polyurethane foam (CFC-free)
- panel thickness 40 mm
- end caps in galvanized steel
- rails made of Sendzimir galvanized steel
- door fittings in galvanized steel
- additional reinforced horizontal rails
- rollers with nylon wheels and 11 mm steel shaft
- steel cables with sixfold safety
- top, side and bottom seal of insulating material
- seal between the panels of insulating material

SURFACE TREATMENT

- the exterior side of the panels has a microline profiling and a polyester-coating in RAL3000, RAL5003, RAL5010, RAL 6005, RAL6009, RAL7005, RAL7015, RAL7016, RAL7021, RAL7022, RAL7035, RAL8014, RAL9002, RAL9005, RAL9006, RAL9007, RAL9010, BS10A05 or BS18B25. Other RAL colors available¹
- the interior side of the panels has a horizontal profiling and a polyester-coating in RAL9002. Other RAL colors available¹

WINDOW AND PANEL OPTIONS

- various oblong window sizes available, with straight or rounded corners, containing double insulating glazing
- extra low burglar resistant windows or attractive round windows
- one or two NovoLux panels constructed of anodized aluminum profiles with double acrylic, polycarbonate or Plexiglas glazing, or single-walled perforated aluminium plate in 2 variations*

DRIVE

The Thermo 40 mm XXL has an electric motor with reduction gear. The control unit is available as standard with deadman's control, pulse control or remote control.

Technical details electric drive

- power..... 1N-230V-PE / 3-230V-PE / 3N-400V-PE / 3-400V-PE
- powerfrequency: 50 / 60Hz
- degree of protection IP 65

PROTECTION

- emergency hand chain hoist at operating height
- spring break protection
- slack cable protection
- according to EN 13241

CONTROL AND OPERATION

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

- adjustable open time or 'deadman operation'
- 'half height' setting (for persons or small goods transit)
- 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 remote control



Available control box:

T100

STRUCTURAL PROVISIONS AND CONNECTION (by others)

- separate technical data sheets detailing dimensional and structural requirements are available for all designs and track systems
- if an electric motor is specified, a CEE plug socket must be installed within 500 mm of where the motor and/or control unit will be positioned (3-230V-PE / 3N-400V-PE / 3-400V-PE, by others)
- with standard CEE-plug, the control box is IP54 compliant

OPTIONS / ACCESSORIES¹

CONTROL AND OPERATION

- fast version (with frequency control)
- additional controls as described above

PROTECTION

- safety light curtain
- cable break protection
- connection of traffic lights (red/green or red and green)
- warning flash light (orange or red)
- heavy shoot bolt with spring return
- outside locking cylinder

CONSTRUCTION

- separate 'wicket door', next to the Thermo 40 XXL door (custom made, with fixed panels above or next to the door)
- customer-specified RAL coating on inside and/or outside of the sections (with the exception of fluorescent and traffic colours)
- adjusted wind restriction
- 15,000 cycle springs

¹ subject to surcharge

* A total maximum door leaf weight of 1,000 kg applies to all fillings



THERMO 60 mm SECTIONAL DOOR

THE EFFECTIVE PARTITION BETWEEN CLIMATE ZONES

PROPERTIES

- max. surface area (WxH) = 48 m²
- max. W x H = 8,000 x 6,000 mm
- U-value Thermo 60 mm sectional door:
5,000x5,000 mm: 0.95 W/m²K
- wind load resistance class 3-4 according to EN 12424
or up to 12-13 Beaufort (118 - 149 km/h)
- stable sections with microline profiling
in 14 standard RAL colors at no extra cost
- manual or electrically operated
- integrated wicket door available
- EN13241 compliant

THERMO 60 mm SECTIONAALDEUR

Thermo 60 mm sectional doors are extra good insulating and sealing overhead doors that feel right at home in places where the separation between climate zones is important. Do you want to keep your production or storage at an evenly temperature, the Thermo 60 mm is the right choice. The steel panels are micro profiled in-house and have excellent sound absorbing and heat-insulating properties and are extremely weather resistant.

DIMENSIONS	
max. width (W)	8,000 mm
max. height (H)	6,000 mm
max. surface area	48 m ²
max. wind force	Class 3-4
section thickness	60 mm
NovoLux-sections possible	yes
μ value at 5,000 x 5,000 mm	0.95 W/m ² K (completely shut)

COMPONENTS AND CONSTRUCTION

The Thermo 60 mm sectional door consists of horizontal panels that roll on a rail system under the ceiling. Torsion springs balance the door's weight, making manual operation possible. In addition to standard lift, extra lift, vertical lift, roof slope lift and low lift are also available.

MATERIALS

- thermally insulated, galvanized steel sandwich panels, insulated with polyurethane foam (CFC-free)
- panel thickness 60 mm
- end caps in galvanized steel
- rails made of Sendzimir galvanized steel
- door fittings in galvanized steel
- rollers with nylon wheels and 11 mm steel shaft
- steel cables with sixfold safety
- plastic handle and foot bowl in the bottom section of manually operated doors
- top, side and bottom seal of insulating material
- seal between the panels of insulating material

SURFACE TREATMENT

- the exterior side of the panels has a microline profiling and a polyester-coating in RAL3000, RAL5010, RAL6005, RAL6009, RAL7005, RAL7015, RAL7016, RAL7022, RAL7035, RAL8014, RAL9002, RAL9006, RAL9007 or RAL9010. Other RAL colors available¹
- the interior side of the panels has a horizontal profiling and a polyester-coating in RAL9002. Other RAL colors available¹

WINDOW AND PANEL OPTIONS

- various rectangular windows with double-walled acrylic glazing and an excellent insulative value
- one or more panels constructed of anodized aluminum profiles with (double or triple) insulated acrylic- polycarbonate- or plexi-glas glazing.

DRIVE

Manual control with cord or chain reel, or an electric motor with reduction gear. The control unit is available as standard with deadman's control, pulse control or remote control.

Technical details electric drive

- power..... 1N-230V-PE / 3-230V-PE / 3N-400V-PE / 3-400V-PE
- powerfrequency: 50 / 60Hz
- degree of protection IP 65

PROTECTION

- emergency hand chain hoist at operating height
- spring break protection
- slack cable protection
- according to EN 13241

CONTROL AND OPERATION

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

- adjustable open time or 'deadman operation'
- 'half height' setting (for persons or small goods transit)
- 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 remote control



Available control box:

T100

STRUCTURAL PROVISIONS AND CONNECTION (by others)

- separate technical data sheets detailing dimensional and structural requirements are available for all designs and track systems
- if an electric motor is specified, a CEE plug socket must be installed within 500 mm of where the motor and/or control unit will be positioned (1N-230V-PE / 3-230V-PE / 3N-400V-PE / 3-400V-PE, by others)
- with standard CEE-plug, the control box is IP54 compliant

OPTIONS / ACCESSORIES¹

CONTROL AND OPERATION

- fast version (with frequency control)
- additional controls as described above

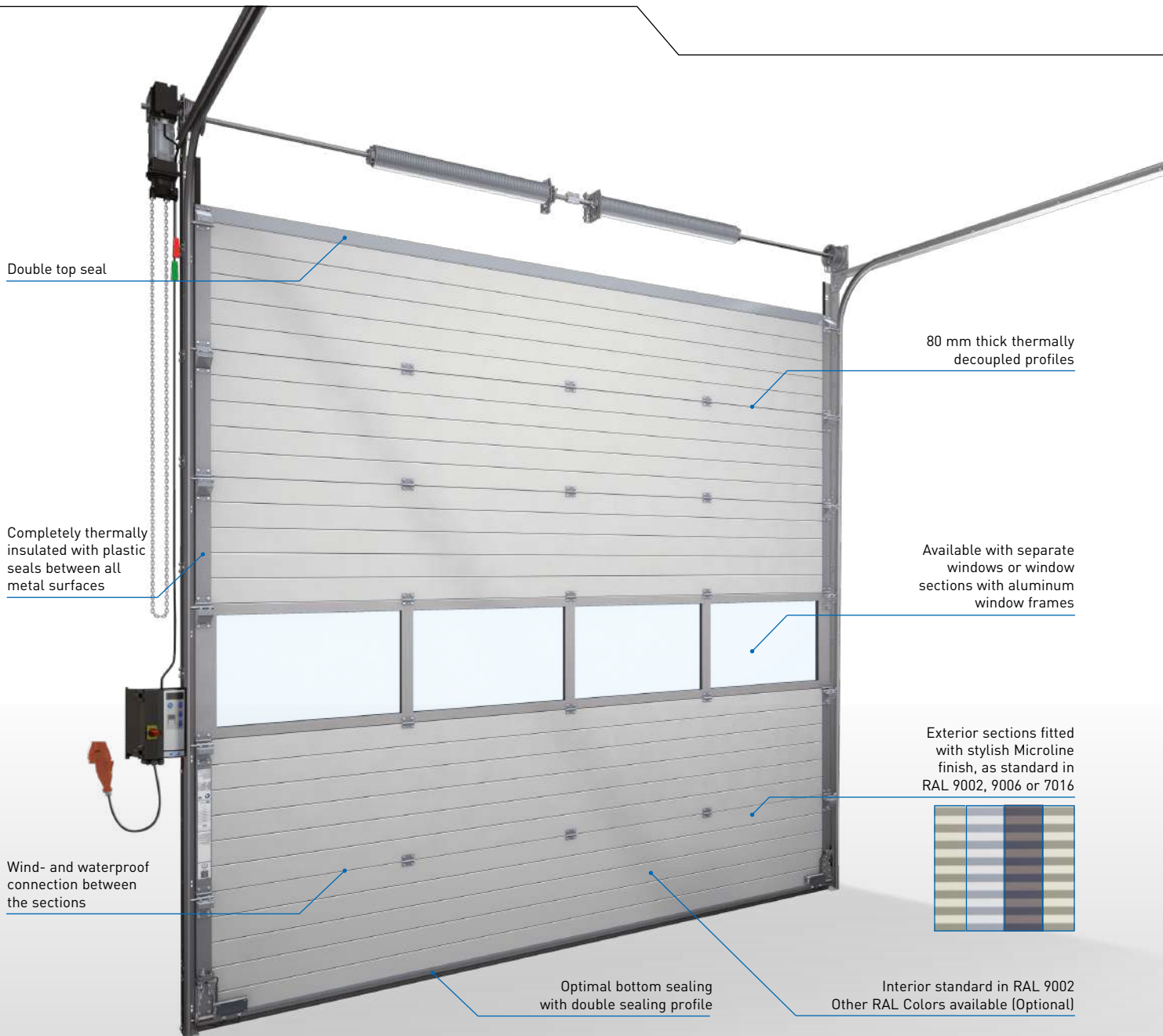
PROTECTION

- leading photocell (without wiring at the door)
- cable break protection
- anti lift protection
- connection of traffic lights (red/green or red and green)
- warning flash light (orange or red)
- heavy shoot bolt with spring return
- outside locking cylinder

CONSTRUCTION

- integrated, outward opening wicket door with closer and cylinder lock (max. Opening width 6000 mm)
- separate 'wicket door', next to the Thermo 60 door (custom made, with fixed panels above or next to the door)
- customer-specified RAL coating on inside and/or outside of the sections (with the exception of fluorescent and traffic colours)
- adjusted wind restriction
- 30,000 or 60,000 cycle springs

¹ subject to surcharge



THERMO 80 mm SECTIONAL DOOR

MAXIMUM INSULATION BY NOVOFERM

PROPERTIES

- max. surface area (WxH) = 42 m²
- max. W x H = 8,000 x 6,000 mm
- U-value Thermo 80 mm sectional door:
5,000x5,000 mm: 0.52 W/m²K
- wind load resistance class 3-4 according to EN 12424
or up to 12-13 Beaufort (118 - 149 km/h)
- standard sections with microline profiling
at no extra cost
- manual or electrically operated
- EN13241 compliant

THERMO 80 mm SECTIONAL DOOR

The Thermo 80 mm sectional door is Novoferm's best insulating door. It combines excellent thermal and sound insulation properties with modern designed micro-profiled panels. The door can always be perfectly configured for any situation. Choose the required height, width and window type, and make a choice from options like RAL color panels, wicket door or remote control.

DIMENSIONS	
max. width (W)	8,000 mm
max. height (H)	6,000 mm
max. surface area	42 m ²
max. wind force	Class 3-4
section thickness	80 mm
μ value at 5.000 x 5.000 mm	0.52 W/m ² K (completely shut)

COMPONENTS AND CONSTRUCTION

The Thermo 80 mm sectional door consists of horizontal panels that slide under the ceiling or up vertically on a rail system. The connection between the sections is wind- and waterproof. Since all connections between the metal surfaces have plastic insulation, the Thermo 80 mm is fully thermally insulated. Torsion springs balance the door's weight, making manual operation possible. The Thermo 80 mm is available with rail system T450, T400, T500 and with the HF versions as well.

MATERIALS



- thermally separated, galvanized steel sandwich panels, insulated with polyurethane foam (CFC-free)
- panel thickness 80 mm
- thermally separated end caps in galvanized steel
- rails made of Sendzimir galvanized steel
- door fittings in galvanized steel
- rollers with nylon wheels and 11 mm steel shaft
- steel cables with sixfold safety
- plastic handle and foot bowl in the bottom section of manually operated doors
- multiple top, side and bottom seals of insulating rubber
- seal between the panels of insulating material

SURFACE TREATMENT

- the exterior side of the panels has a microline profiling and a polyester-coating in RAL 9002, RAL 9006 or RAL7016. Other RAL colors available¹
- the interior side of the panels has a horizontal stucco profiling and a polyester-coating in RAL 9002. Other RAL colors available¹

WINDOW AND PANEL OPTIONS

- windows with straight corners and quadruple insulating glazing¹
- ALU panels for more visibility (maximum 3 pieces, maximum width 6000 mm)

DRIVE

Manual control with cord or chain reel, or an electric motor with reduction gear. The control unit is available as standard with deadman's control, pulse control or remote control.

Technical details electric drive

- power.....1N-230V-PE / 3-230V-PE / 3N-400V-PE / 3-400V-PE
- powerfrequency: 50 / 60Hz
- degree of protection..... IP54

PROTECTION

- emergency hand chain hoist at operating height
- spring break protection
- slack cable protection
- according to EN 13241
- standard double opto sensors

CONTROL AND OPERATION

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

- adjustable open time or 'deadman operation'
- 'half height' setting (for persons or small goods transit)
- 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 remote control



Available control box:

T75/T100

STRUCTURAL PROVISIONS AND CONNECTION (by others)

- separate technical data sheets detailing dimensional and structural requirements are available for all designs and track systems
- an extra side room is necessary of 2 x 12,5 mm
- if an electric motor is specified, a CEE plug socket must be installed within 500 mm of where the motor and/or control unit will be positioned (1N-230V-PE / 3-230V-PE / 3N-400V-PE / 3-400V-PE, by others)
- with standard CEE-plug, the control box is IP54 compliant

OPTIONS / ACCESSORIES¹

CONTROL AND OPERATION

- additional controls as described above

PROTECTION

- leading photocell
- cable break protection
- anti lift protection
- connection of traffic lights (red/green or red and green)
- warning flash light (orange or red)
- heavy shoot bolt with spring return

CONSTRUCTION

- customer-specified RAL coating on inside and/or outside of the sections (with the exception of fluorescent and traffic colours)
- adjusted wind restriction
- 30,000 or 60,000 cycle springs

¹ subject to surcharge



NOVOLUX 40 mm SECTIONAL DOOR

WHEN NATURAL LIGHT AND VISIBILITY MATTER

PROPERTIES

- max. surface area (WxH) = 48 m²
- max. W x H = 8,000 x 6,000 mm
- U-value NovoLux 40 mm sectional door:
5,000x5,000 mm: 3.87 W/m²K
- wind load resistance class 3-4 according to EN 12424
or up to 12-13 Beaufort (118 - 149 km/h)
- the large variety in panel fillings offers plenty of
panel design and application possibilities
- manual or electrically operated
- integrated wicket door available
- EN13241 compliant

NOVOLUX 40 mm SECTIONAL DOOR

In industrial environments where light and clear views are important, the NovoLux 40 mm sectional door proves its strength. The door leaf of the NovoLux door consists of several sections. By applying clever sized aluminum profiles frame structures are manufactured with an extensive range of infill materials. Combine windows with aluminum cassette panels and choose translucent, colored, insulating or air permeable.

DIMENSIONS	
max. width (W)	8,000 mm
max. height (H)	6,000 mm
max. surface area	48 m ²
max. wind force	Class 3-4
section thickness	40 mm
μ value at	3.87 W/m ² K

COMPONENTS AND CONSTRUCTION

The NovoLux 40 mm sectional door consists of horizontal panels that roll on a rail system under the ceiling. Torsion springs balance the door's weight, making manual operation possible. In addition to standard lift, extra lift, vertical lift, roof slope lift and low lift are also available.

MATERIALS

- door sections constructed of silver anodized aluminum profiles which can be provided with a wide variety of of glass and fill types
- total panel thickness 40 mm
- rails made of Sendzimir galvanized steel
- central hinges in galvanized steel
- door fittings in galvanized steel
- rollers with nylon wheels and 11 mm steel shaft
- steel cables with sixfold safety
- plastic handle and foot bowl in the bottom section of manually operated doors
- top, side and bottom seal of insulating material
- seal between the panels of insulating material

SURFACE TREATMENT

- the aluminum profiles and glazing beads are clear anodized, but can be provided with a color coating as well¹
- the windows and panels can be delivered in a variety of finishes and colors. See the brochure for all possibilities¹

WINDOW AND PANEL OPTIONS

- many types of synthetic glazing available, each with different light transmitting and insulating properties
- polycarbonate 5 chamber multiwall sheets also available in 5 colors
- or air permeable perforated ALU sheet fillings in 2 versions
- double-walled, sealed sandwich fillings in multiple finishes and in standard or RAL colors are also available¹

DRIVE

Manual control with cord or chain reel, or an electric motor with reduction gear. The control unit is available as standard with deadman's control, pulse control or remote control.

Technical details electric drive

- power..... 1N-230V-PE / 3-230V-PE / 3N-400V-PE / 3-400V-PE
- powerfrequency: 50 / 60Hz
- degree of protection IP 65

PROTECTION

- emergency hand chain hoist at operating height
- spring break protection
- slack cable protection
- according to EN 13241

CONTROL AND OPERATION

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

- adjustable open time or 'deadman operation'
- 'half height' setting (for persons or small goods transit)
- 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 remote control



Available control box:

T100

STRUCTURAL PROVISIONS AND CONNECTION (by others)

- separate technical data sheets detailing dimensional and structural requirements are available for all designs and track systems
- if an electric motor is specified, a CEE plug socket must be installed within 500 mm of where the motor and/or control unit will be positioned (1N-230V-PE / 3-230V-PE / 3N-400V-PE / 3-400V-PE, by others)
- with standard CEE-plug, the control box is IP54 compliant

OPTIONS / ACCESSORIES¹

CONTROL AND OPERATION

- fast version (with frequency control)
- additional controls as described above

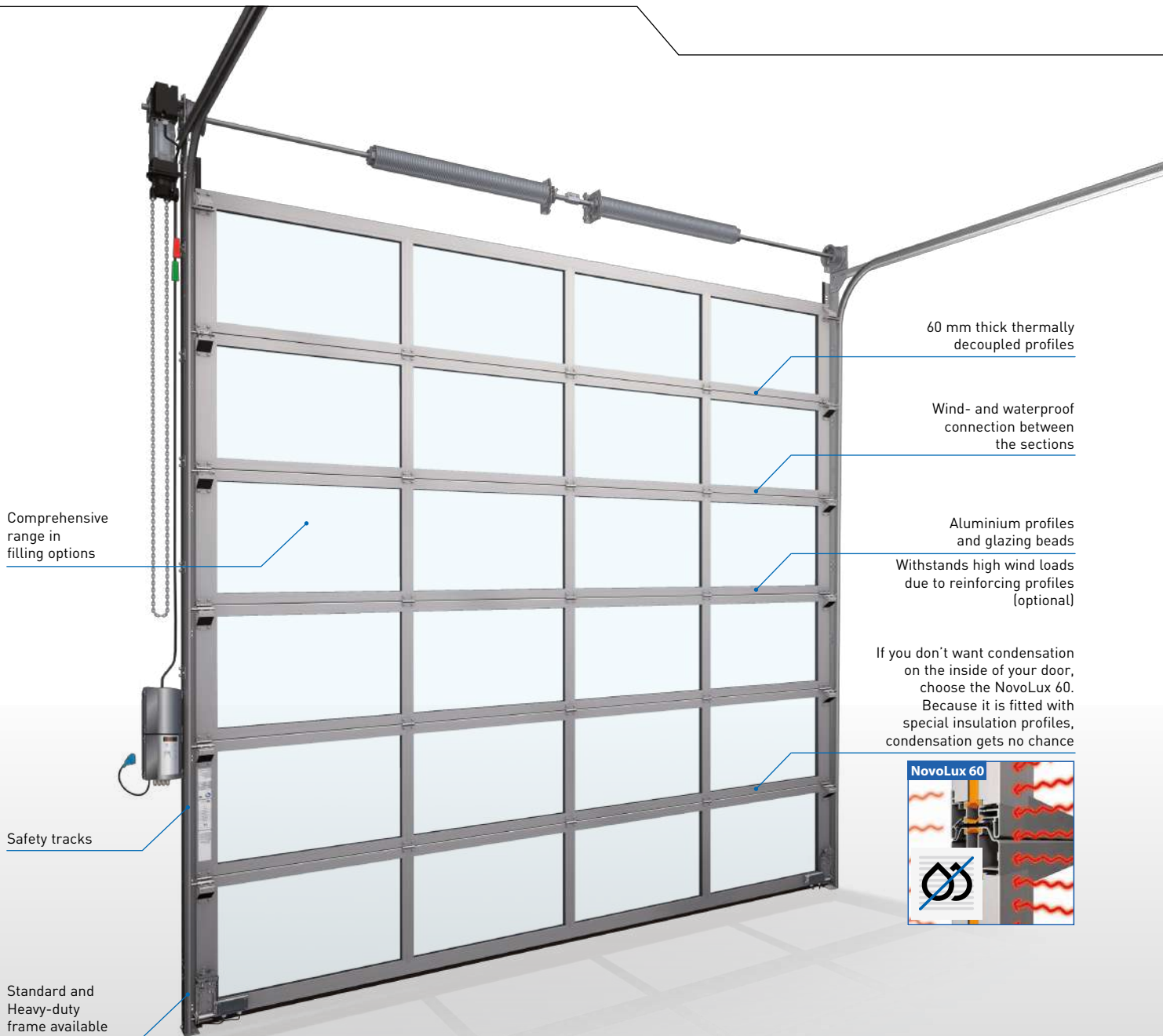
PROTECTION

- leading photocell (without wiring at the door)
- cable break protection
- anti lift protection
- connection of traffic lights (red/green or red and green)
- warning flash light (orange or red)
- heavy shoot bolt with spring return
- outside locking cylinder

CONSTRUCTION

- integrated, outward opening wicket door with closer and cylinder lock (max. Opening width 6000 mm)
- separate 'wicket door', next to the NovoLux 40 door (custom made, with fixed panels above or next to the door)
- customer-specified RAL coating on inside and/or outside of the sections (with the exception of fluorescent and traffic colours)
- adjusted wind restriction
- 30,000 or 60,000 cycle springs

¹ subject to surcharge



NOVOLUX 60 mm SECTIONAL DOOR

THE INNOVATIVE DOOR WITH EVEN MORE INSULATION

PRODUCTKENMERKEN

- max. surface area (WxH) = 48 m²
- max. W x H = 8,000 x 6,000 mm
- U-value NovoLux 60 mm sectional door:
5,000x5,000 mm: 2.33 W/m²Kn with triple glazing
- wind load resistance class 3-4 according to EN 12424
or up to 12-13 Beaufort (118 - 149 km/h)
- special thermally decoupled insulation profiles with many possible panel filling options
- manual or electrically operated
- integrated wicket door available
- EN13241 compliant

NOVOLUX 60 mm SECTIONAALDEUR

In industrial environments where light and clear views are important, the NovoLux 60 mm sectional proves its strength. The door leaf of the NovoLux door consists of several sections. By applying specially sized aluminum profiles frame structures are manufactured with an extensive range of infill materials. Combine windows with aluminum cassette panels and choose translucent, colored, insulating or air permeable.

Dimensions	
max. width (W)	8,000 mm
max. height (H)	6,000 mm
max. surface area	48 m
max. wind force	Class 3-4
section thickness	60 mm
μ value at 5.000 x 5.000 mm	2.33 W/m ² K

COMPONENTS AND CONSTRUCTION

The NovoLux 60 mm sectional door consists of horizontal panels that roll on a rail system under the ceiling. Torsion springs balance the door's weight, making manual operation possible. In addition to standard lift, extra lift, vertical lift, roof slope lift and low lift are also available.

MATERIALS

- the NovoLux 60 mm door is one and a half times as thick as a NovoLux 40 mm door. Each aluminum profile is constructed of two halves, which are thermally decoupled by special plastic insulation profiles
- the sections can be provided with a wide variety of of glass types and fillings
- total panel thickness 60 mm
- rails made of Sendzimir galvanized steel
- central hinges in galvanized steel
- door fittings in galvanized steel
- rollers with nylon wheels and 11 mm steel shaft
- steel cables with sixfold safety
- plastic handle and foot bowl in the bottom section of manually operated doors
- top, side and bottom seal of insulating material
- seal between the panels of insulating material

SURFACE TREATMENT

- the aluminum profiles and glazing beads are clear anodized, but can be provided with a color coating as well¹
- the windows and panels can be delivered in a variety of finishes and colors. See the brochure for all possibilities¹

WINDOW AND PANEL OPTIONS

- many types of synthetic glazing available, each with different light transmitting and insulating properties
- double-walled and sealed sandwich fillings in multiple finishes and in standard or RAL colors are also available¹

DRIVE

Manual control with cord or chain reel, or an electric motor with reduction gear. The control unit is available as standard with deadman's control, pulse control or remote control.

Technical details electric drive

- power..... 1N-230V-PE / 3-230V-PE / 3N-400V-PE / 3-400V-PE
- powerfrequency: 50 / 60Hz
- degree of protection IP 65

PROTECTION

- emergency hand chain hoist at operating height
- spring break protection
- slack cable protection
- according to EN 13241

CONTROL AND OPERATION

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

- adjustable open time or 'deadman operation'
- 'half height' setting (for persons or small goods transit)
- 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 remote control



Available control box:

T100

STRUCTURAL PROVISIONS AND CONNECTION (by others)

- separate technical data sheets detailing dimensional and structural requirements are available for all designs and track systems
- if an electric motor is specified, a CEE plug socket must be installed within 500 mm of where the motor and/or control unit will be positioned (1N-230V-PE / 3-230V-PE / 3N-400V-PE / 3-400V-PE, by others)
- with standard CEE-plug, the control box is IP54 compliant

OPTIONS / ACCESSORIES¹

CONTROL AND OPERATION

- fast version (with frequency control)
- additional controls as described above

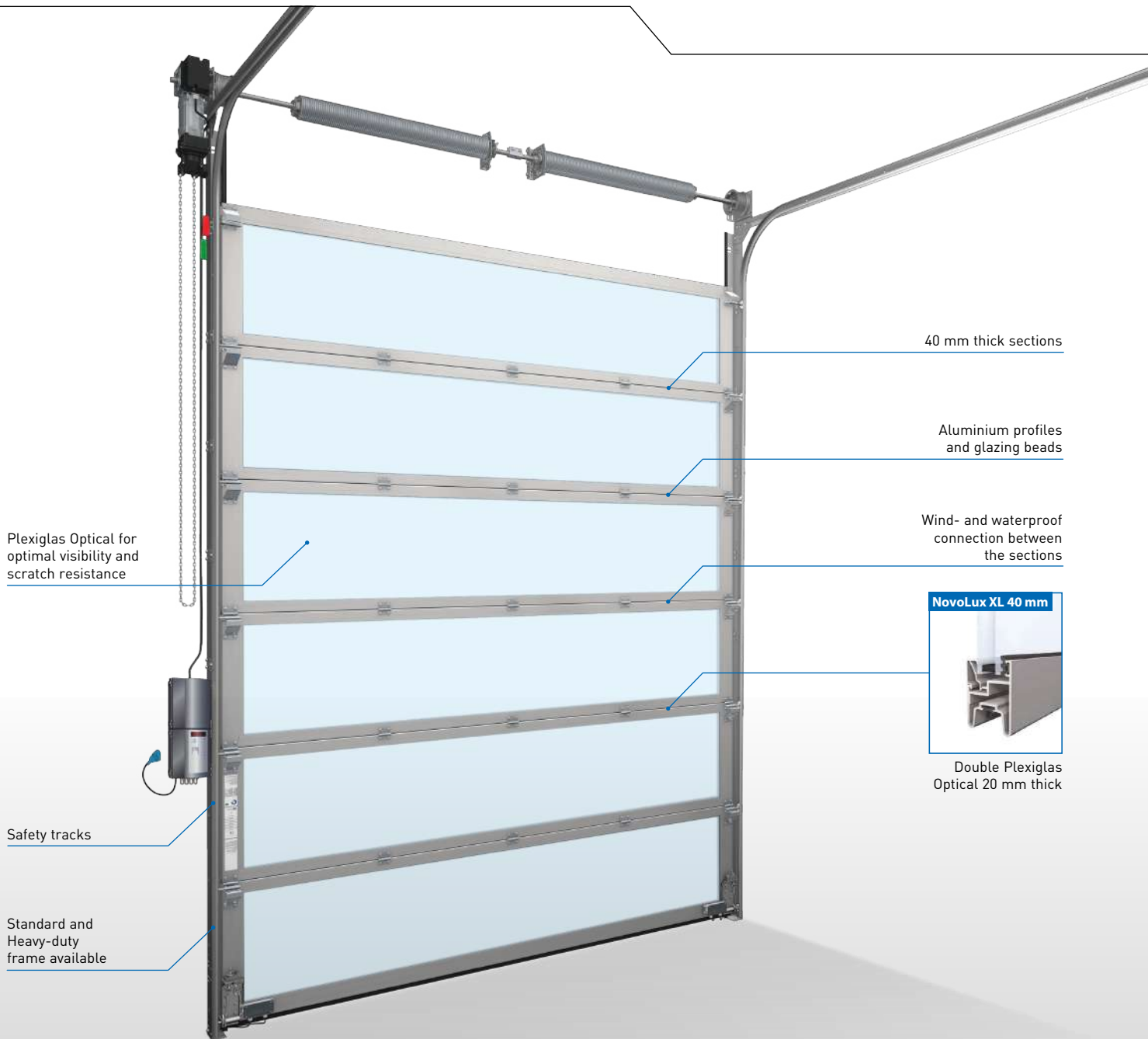
PROTECTION

- leading photocell (without wiring at the door)
- cable break protection
- anti lift protection
- connection of traffic lights (red/green or red and green)
- warning flash light (orange or red)
- heavy shoot bolt with spring return
- outside locking cylinder

CONSTRUCTION

- integrated, outward opening wicket door with closer and cylinder lock (max. Opening width 6000 mm)
- separate 'wicket door', next to the NovoLux 60 door (custom made, with fixed panels above or next to the door)
- customer-specified RAL coating on inside and/or outside of the sections (with the exception of fluorescent and traffic colours)
- adjusted wind restriction
- 30,000 or 60,000 cycle springs

¹ subject to surcharge



NOVOLUX XL 40 mm SECTIONAL DOOR

MAXIMUM TRANSPARENCY, WITHOUT VERTICAL PROFILES

PROPERTIES

- max. surface area (WxH) = 18 m²
- max. W x H = 4,000 x 4,500 mm
- U-value NovoLux XL 40 mm sectional door:
4,000x4,000 mm: 3.87 W/m²K
- wind load resistance class 3-4 according to EN 12424
or up to 12-13 Beaufort (118 - 149 km/h)
- no vertical window dividers results in a wide panoramic view
- high quality Plexiglas: extra strong and extra thick, hardly any distortion and looks like real glass
- manual or electrically operated
- EN13241 compliant

NOVOLUX XL 40 mm SECTIONAALDEUR

The NovoLux XL 40 mm is a NovoLux XL door with 40 mm thick fully glazed sections. What makes the door so special is that panels do not have vertical dividers, providing a wide panoramic view. The high-quality Plexiglas is extra thick and extra strong, hardly distorts and it looks just like real glass. All these features result in the windows being naturally reflective and looking highly attractive.

DIMENSIONS	
max. width (W)	4,000 mm
max. height (H)	4,500 mm
max. surface area	18 m ²
max. wind force	Class 3-4
section thickness	40 mm
μ value at 4,000 x 4,000 mm	3.87 W/m ² K

COMPONENTS AND CONSTRUCTION

The NovoLux XL 40 mm sectional door consists of horizontal panels that roll on a rail system under the ceiling. Torsion springs balance the door's weight, making manual operation possible. In addition to standard lift, extra lift, vertical lift, roof slope lift and low lift is available.

MATERIALS

- door sections constructed of silver anodized aluminum profiles with Plexiglas Optical double glazing
- total panel thickness 40 mm
- rails made of Sendzimir galvanized steel
- central hinges in galvanized steel
- door fittings in galvanized steel
- rollers with nylon wheels and 11 mm steel shaft
- steel cables with sixfold safety
- plastic handle and foot bowl in the bottom section of manually operated doors
- top, side and bottom seal of insulating material
- seal between the panels of insulating material

SURFACE TREATMENT

- the aluminum profiles and glazing beads are clear anodized, but can be provided with a color coating as well¹
- the windows and panels can be delivered in a variety of finishes and colors. See the brochure for all possibilities¹

PLEXIGLAS OPTICAL

The NovoLux XL doors work particularly good in buildings that are designed to be appealing, but where light and visibility are just as important. The special thing about the high-quality Plexiglas Optical is that it looks just like real glass but has the added safety of plastic. The Plexiglas Optical windows are constructed of 20 mm double glazing.

DRIVE

Manual control with cord or chain reel, or an electric motor with reduction gear. The control unit is available as standard with deadman's control, pulse control or remote control.

Technical details electric drive

- power..... 1N-230V-PE / 3-230V-PE / 3N-400V-PE / 3-400V-PE
- powerfrequency:50 / 60Hz
- degree of protectionIP 65

PROTECTION

- emergency hand chain hoist at operating height
- spring break protection
- slack cable protection
- according to EN 13241

CONTROL AND OPERATION

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

- adjustable open time or 'deadman operation'
- 'half height' setting (for persons or small goods transit)
- 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 remote control



STRUCTURAL PROVISIONS AND CONNEC-

Available control box:

T100

TION (by others)

- separate technical data sheets detailing dimensional and structural requirements are available for all designs and track systems
- if an electric motor is specified, a CEE plug socket must be installed within 500 mm of where the motor and/or control unit will be positioned (1N-230V-PE / 3-230V-PE / 3N-400V-PE / 3-400V-PE, by others)
- with standard CEE-plug, the control box is IP54 compliant

OPTIONS / ACCESSORIES¹

CONTROL AND OPERATION

- fast version (with frequency control)
- additional controls as described above

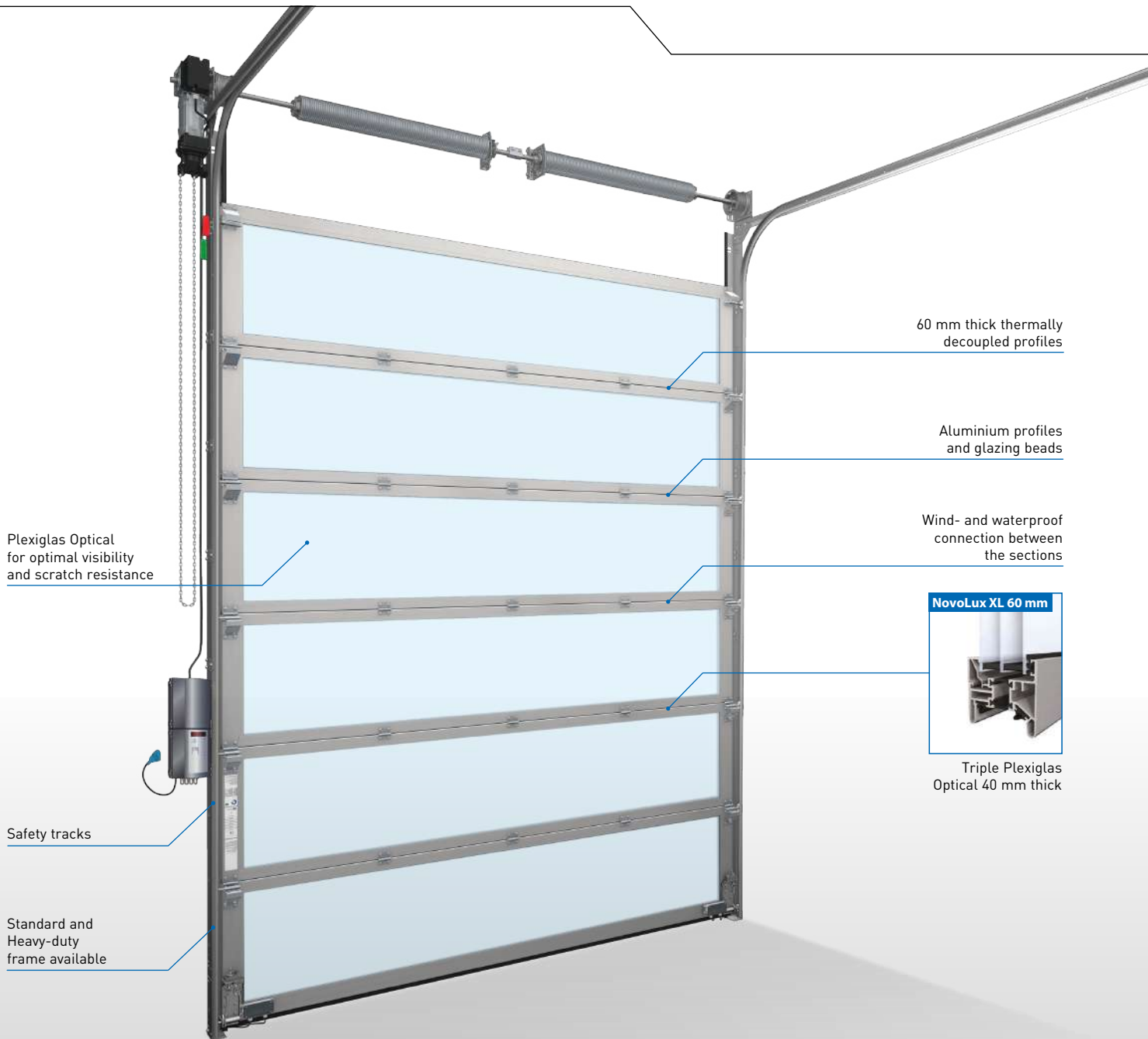
PROTECTION

- leading photocell (without wiring at the door)
- cable break protection
- anti lift protection
- connection of traffic lights (red/green or red and green)
- warning flash light (orange or red)
- heavy shoot bolt with spring return
- outside locking cylinder

CONSTRUCTION

- customer-specified RAL coating on inside and/or outside of the sections (with the exception of fluorescent and traffic colours)
- adjusted wind restriction
- 30,000 or 60,000 cycle springs

¹ subject to surcharge



NOVOLUX XL 60 mm SECTIONAL DOOR

MAXIMUM TRANSPARENCY, WITHOUT VERTICAL PROFILES

PROPERTIES

- max. oppervlak (WxH) = 18 m²
- max. W x H = 4,000 x 4,500 mm
- U-value NovoLux XL 60 mm sectional door:
4,000x4,000 mm: 2.36 W/m²K
- wind load resistance class 3-4 according to EN 12424
or up to 12-13 Beaufort (118 - 149 km/h)
- no vertical window dividers results in a wide panoramic view
- high quality Plexiglas: extra strong and extra thick, hardly any distortion and looks like real glass
- manual or electrically operated
- EN13241 compliant

NOVOLUX XL 60 mm SECTIONAL DOOR

The NovoLux XL 60 mm is a NovoLux XL door with 60 mm thick fully glazed sections. What makes the door so special is that panels do not have vertical dividers, providing a wide panoramic view. The high-quality Plexiglas is extra thick and extra strong, hardly distorts and it looks just like real glass. All these features result in the windows being naturally reflective and looking highly attractive.

DIMENSIONS	
max. width (W)	4,000 mm
max. height (H)	4,500 mm
max. surface area	18 m ²
max. wind force	Class 3-4
section thickness	60 mm
μ value at 4,000 x 4,000 mm	2.36 W/m ² K

COMPONENTS AND CONSTRUCTION

The NovoLux XL 60 mm sectional door consists of horizontal panels that roll on a rail system under the ceiling. Torsion springs balance the door's weight, making manual operation possible. In addition to standard lift, extra lift, vertical lift, roof slope lift and low lift is available.

MATERIALS

- door sections constructed of silver anodized aluminum profiles with Plexiglas Optical triple glazing. Each aluminum profile is constructed of two halves, which are thermally decoupled by special plastic insulation profiles
- total panel thickness 60 mm
- rails made of Sendzimir galvanized steel
- central hinges in galvanized steel
- door fittings in galvanized steel
- rollers with nylon wheels and 11 mm steel shaft
- steel cables with sixfold safety
- plastic handle and foot bowl in the bottom section of manually operated doors
- top, side and bottom seal of insulating material
- seal between the panels of insulating material

SURFACE TREATMENT

- the aluminum profiles and glazing beads are clear anodized, but can be provided with a color coating as well¹
- the windows and panels can be delivered in a variety of finishes and colors. See the brochure for all possibilities¹

PLEXIGLAS OPTICAL

The NovoLux XL doors work particularly good in buildings that are designed to be appealing, but where light and visibility are just as important. The special thing about the high-quality Plexiglas Optical is that it looks just like real glass but has the added safety of plastic. The Plexiglas Optical windows are constructed of 40 mm triple glazing.

DRIVE

Manual control with cord or chain reel, or an electric motor with reduction gear. The control unit is available as standard with deadman's control, pulse control or remote control.

Technical details electric drive

- power:..... 1N-230V-PE / 3-230V-PE / 3N-400V-PE / 3-400V-PE
- powerfrequency: 50 / 60Hz
- degree of protectionIP 65

PROTECTION

- emergency hand chain hoist at operating height
- spring break protection
- slack cable protection
- according to EN 13241

CONTROL AND OPERATION

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

- adjustable open time or 'deadman operation'
- 'half height' setting (for persons or small goods transit)
- 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 remote control



Available control box:

T100

STRUCTURAL PROVISIONS AND CONNECTION (by others)

- separate technical data sheets detailing dimensional and structural requirements are available for all designs and track systems
- if an electric motor is specified, a CEE plug socket must be installed within 500 mm of where the motor and/or control unit will be positioned (1N-230V-PE / 3-230V-PE / 3N-400V-PE / 3-400V-PE, by others)
- with standard CEE-plug, the control box is IP54 compliant

OPTIONS / ACCESSORIES¹

CONTROL AND OPERATION

- fast version (with frequency control)
- additional controls as described above

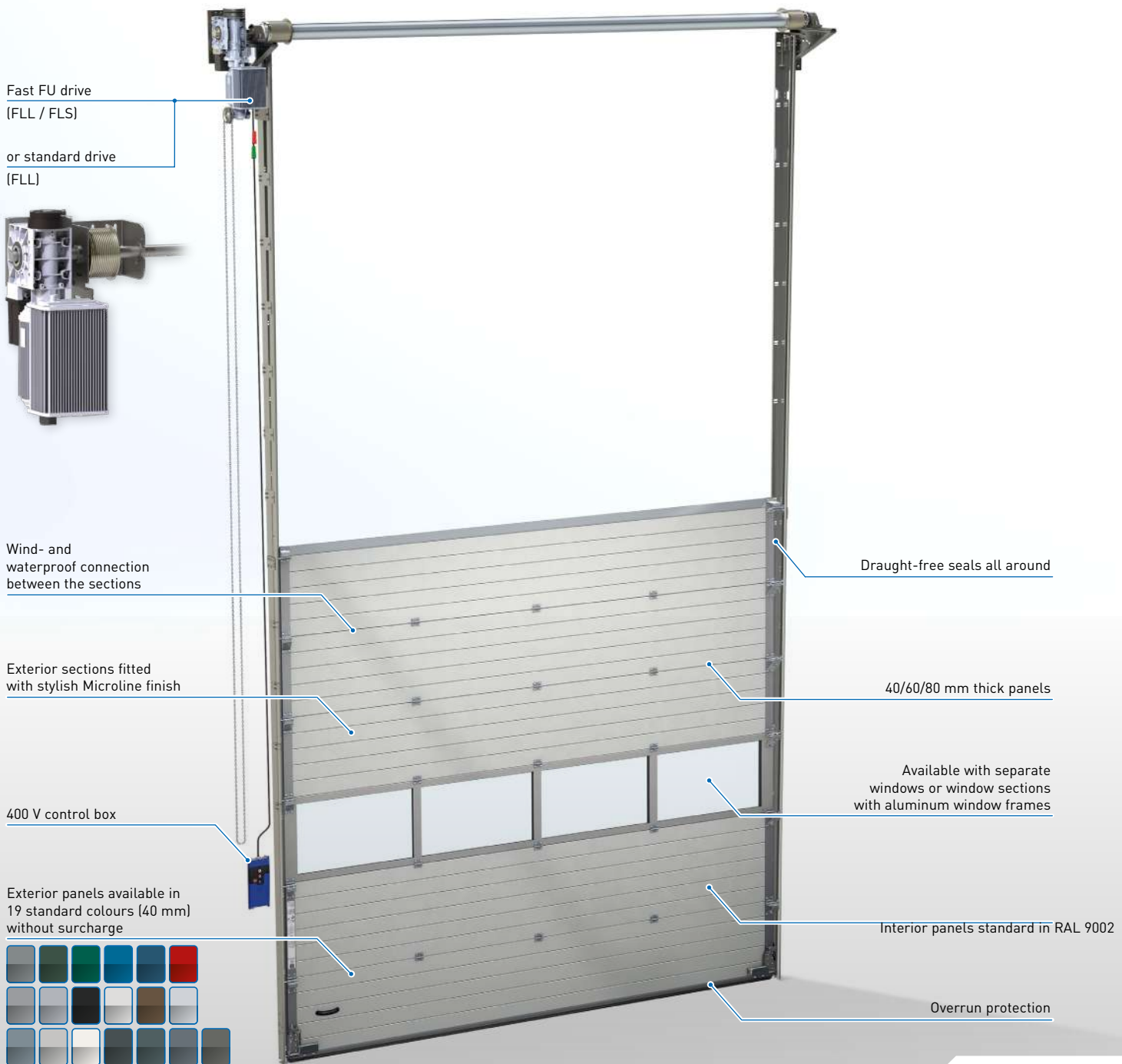
PROTECTION

- leading photocell (without wiring at the door)
- cable break protection
- anti lift protection
- connection of traffic lights (red/green or red and green)
- warning flash light (orange or red)
- heavy shoot bolt with spring return
- outside locking cylinder

CONSTRUCTION

- customer-specified RAL coating on inside and/or outside of the sections (with the exception of fluorescent and traffic colours)
- adjusted wind restriction
- 30,000 or 60,000 cycle springs

¹ subject to surcharge



SPRINGLESS SECTIONAL DOOR WITH FLL & FLS DRIVE

PROPERTIES

- max. surface area (WxH) = 48 m²
- max. W x H = 8,000 x 6,000 mm
- class 3-4 wind resistant according to EN 12424
 - wind resistant up to 12-13 Beaufort
- max. opening speed of 0.7 m/s
 depending on the version and drive selected
- sturdy panels with microprofiling in 19 standard colours (40 mm) without surcharge
- no balancing springs but a powerful electric drive with optional frequency control
- high-quality door fittings and optimum security
- EN13241 compliant

SPRINGLESS SECTIONAL DOOR

The springless sectional door with FLL or FLS drive. The powerful drive system and the lack of a balancing system (no spring package!) are the biggest features.

SPECIFICATIONS		
DRIVE SYSTEM	FLL	FLS
max. width (W)	6,000 mm	8,000 mm
max. height (H)	5,000 mm	6,000 mm
max. surface area	0 - 24 m ²	0 - 48 m ²
max. wind force*	Klasse 3-4	Klasse 3-4
section thickness	40/60/80 mm	40/60/80 mm
nr. of cycli	33,000	100,000
protection	Opto, Cont, DW, LC, VFC	Safety light curtain
FU Drive	Optional ¹	Standard
rail systems	T240, T340, T400, T450 and T500	T400, T450 and T500
max. Speed	0.2 m/s or 0.5 m/s with FI	0.3 m/s or 0.7 m/s

MATERIALS

- thermally separated, galvanized steel sandwich panels, insulated with polyurethane foam (CFC-free)
- thermally separated end caps in galvanized steel
- rails made of Sendzimir galvanized steel
- door fittings in galvanized steel
- Tread rollers with nylon tread and 11 mm shaft
- steel cables with sixfold safety
- multiple top, side and bottom seals of insulating rubber
- seal between the panels of insulating material

SURFACE TREATMENT

- the exterior side of the panels has a microline profiling and a polyester coating in RAL3000, RAL5003, RAL5010, RAL6005, RAL6009, RAL7005, RAL7015, RAL7016, RAL7021, RAL7022, RAL7035, RAL8014, RAL9002, RAL9005, RAL9006, RAL9007, RAL9010, BS10A05 Goosewing Grey or BS18B25 Merlin Grey Other RAL colors available¹
- the interior side of the panels has a horizontal stucco profiling and a polyester coating in RAL 9002. Other RAL colors available¹

WINDOW AND PANEL OPTIONS

- various oblong window sizes available, with straight or rounded corners, containing single or double insulating glazing
- extra low burglar-resistant windows or attractive round windows
- one or more panels constructed of anodized aluminum profiles with double acrylic, polycarbonate or Plexiglas glazing (80 mm not applicable)

PROTECTION

- drive with built-in roll-down protection
- electronic closing edge protection
- slack cable protection
- according to EN 13241

DRIVE

The springless sectional door has a direct drive based on frequency control, a guarantee for smooth transitions during door opening and closing. Mechanical and electrical peak loads are thus prevented. The control system is available as standard with pulse control or remote control.

Technical details electric drive

- power..... 1N-230V-PE / 3-230V-PE / 3N-400V-PE / 3-400V-PE
- powerfrequency: 50 / 60Hz
- degree of protection IP 65

CONTROL AND OPERATION

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

- adjustable open time or 'deadman operation'
- 'half height' setting (for persons or small goods transit)
- 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 remote control



Available controls:

TS971, TS981

STRUCTURAL PROVISIONS AND CONNECTION (by others)

- separate technical data sheets detailing dimensional and structural requirements are available for all designs and track systems
- if an electric motor is specified, a CEE plug socket must be installed within 1 m of where the control unit will be positioned (3-400V-PE by others)
- with standard CEE-plug, the control box is IP54 compliant

OPTIONS / ACCESSORIES¹

CONTROL AND OPERATION

- additional controls as described above available at surcharge
- control box directly wired (control box IP65)
- main switch directly wired on the control box (IP65)

PROTECTION

- cable break protection
- anti lift protection
- connection of traffic lights (red/green or red and green)
- warning flash light (orange)

CONSTRUCTION

- customer-specified RAL coating on inside and/or outside of the sections (with the exception of fluorescent and traffic colours)
- wicket door available without FU drive

¹ subject to surcharge