

Sectional door

Insulated industrial door

40 mm thick sections

Aluminium profiles
and glazing beads

Wind- and waterproof
connection between
the sections

Panorama 40 mm



Double Plexiglas
Optical 20 mm thick

Plexiglas Optical
for optimal visibility
and scratch resistance

Safety tracks

Standard and
Heavy-duty
frame available



Panorama 40

Maximum transparency, without vertical profiles

Properties

- max. B x H = 4.000 x 4.500 mm, max. surface area (BxH) = 18 m²
- U-value Panorama 40 mm sectional door: 4.000 x 4.000 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
- EN 13241 compliant



Panorama 40 mm

The Panorama 40 mm door is an ALU 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
section thickness	40 mm
μ value at 4.000 x 4.000 mm	3,87 W/m ² K

Components and construction

The Panorama 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 chromed 11 mm 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 Panorama 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 dead-man's control, pulse control or remote control.

Technical details electric drive

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

Protection

- emergency hand chain hoist at operating height
- spring break protection
- anti lift protection
- according to EN 13241

Control and operation

- control voltage: 24Vdc
- mains supply external devices:..... 24Vdc (350mA) / 230Vac (1,6A)
- status and information display (including 6 most-recent faults)
- maintenance-cycle counter
- force monitoring in OPEN direction: sudden changes to the counter-balancing are detected. Self-learning feature and consequently no activation of force monitoring function due to, e.g., a change in spring tension
- automatic detection of direct inverter (DI) or frequency inverter (FI). Setting of output speed, soft start, soft stop, braking ramps, etc. is possible

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 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 (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 available at surcharge
- control box directly wired (control box IP65)
- main switch directly wired on the control box (IP65)

Protection

- leading photocell (without wiring at 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



For more information:

Pittelderstraat 10
6942 GJ Didam Netherlands
+31 316 228066
info@alpha-deuren.nl
www.alpha-deuren.nl



Sectional door

Insulated industrial door

60 mm thick thermally decoupled profiles

Aluminium profiles and glazing beads

Wind- and waterproof connection between the sections

Panorama 60 mm



Triple Plexiglas
Optical 40 mm thick

Plexiglas Optical
for optimal visibility
and scratch resistance

Safety tracks

Standard and
Heavy-duty
frame available



Panorama 60

Maximum transparency, Without vertical profiles

Properties

- max. B x H = 4.000 x 4.500 mm, max. surface area (BxH) = 18 m²
- U-value Panorama 60 mm sectional door: 4.000x4.000 mm: 2,43 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
- EN 13241 compliant



Panorama 60 mm

The Panorama 60 mm door is an ALU 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
section thickness	60 mm
μ value at 4.000 x 4.000 mm	2,43 W/m ² K

Components and construction

The Panorama 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 chromed 11 mm 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 well) ¹⁾
- the windows and panels can be delivered in a variety of finishes and colors. See the brochure for all possibilities ¹⁾

Plexiglas Optical

The Panorama 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 dead-man's control, pulse control or remote control.

Technical details electric drive

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

Protection

- emergency hand chain hoist at operating height
- spring break protection
- anti lift protection
- according to EN 13241

Control and operation

- control voltage: 24Vdc
- mains supply external devices:..... 24Vdc (350mA) / 230Vac (1,6A)
- status and information display (including 6 most-recent faults)
- maintenance-cycle counter
- force monitoring in OPEN direction: sudden changes to the counter-balancing are detected. Self-learning feature and consequently no activation of force monitoring function due to, e.g., a change in spring tension
- automatic detection of direct inverter (DI) or frequency inverter (FI). Setting of output speed, soft start, soft stop, braking ramps, etc. is possible

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 remote control



Available controls:

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Structural provisions and connection (by others)

- separate technical data sheets detailing dimensional and structural requirements are available for all designs and track systems
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- with standard CEE-plug, the control box is IP54 compliant

Options / accessories ¹⁾

Control and operation

- fast version (with frequency control)
- additional controls as described above available at surcharge
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Protection

- leading photocell (without wiring at 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)
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