



Mastering German engineering and Italian design

The H200 hydraulic home lift fits everywhere

The H200 incorporates proven and reliable technology. The hydraulic drive system can offer a wide range of choices, from a minimal layout to a fully enclosed cabin without compromises in comfort and performances.

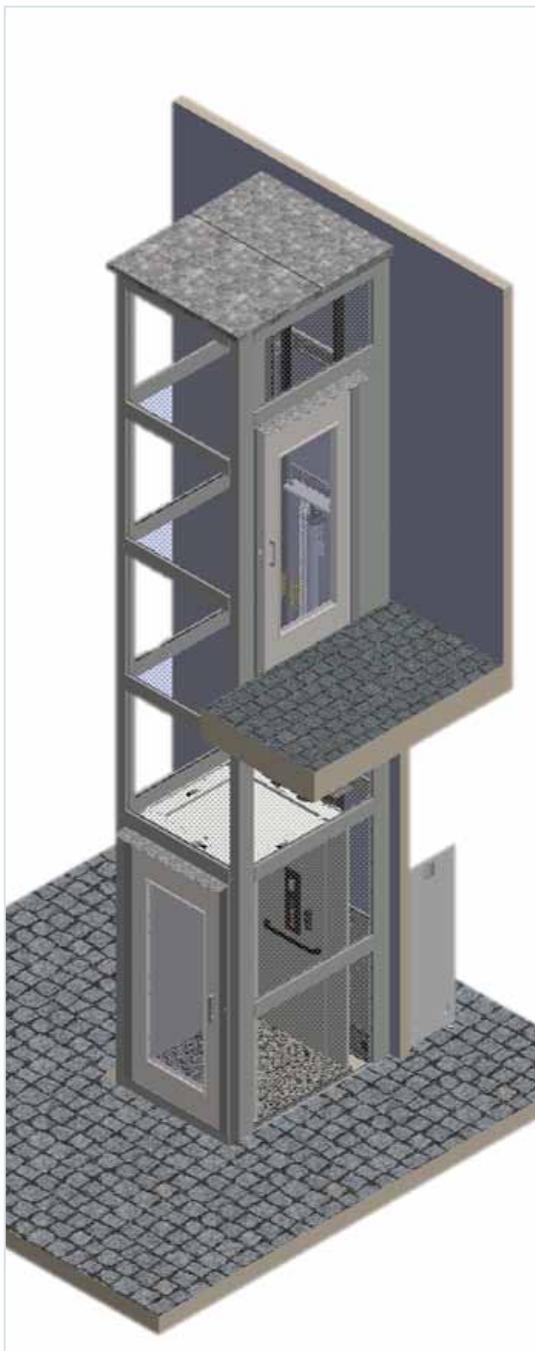
Wide choice of materials and finishes. Trust our designer's choice for stylish combinations or feel free to choose more conventional solutions. The H200 can be customised in many details and countless sizes, perfectly matching your environment.

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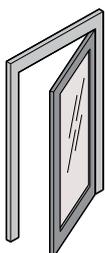
Sample Company Name
Samplestreet 12
12345 Samplecity, Samplecountry
P: +49 123 456 - 0
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www.samplewebsite.com



H200 Hold To Run - fact sheet

The H200 incorporates proven and reliable hydraulic technology specifically designed to offer comfort and performance in private and public applications. A safe and efficient Home lift with speed up to 0,15 m/s certified according to the Machine Directive.

Technical compliance	European Machine directive 2006/42/EC Reference standard: EN 81-41
Drive system	Hydraulic control unit with indirect action by chains
Max speed	Europe: 0,15 m/s according to 2006/42/EC Soft start / stop
Rated Load	250 - 450 kg depending on cabin size
Travel height	900 - 13100 mm (up to 15100 for light configurations)
Distance between intermediate floors	min. 250 mm (doors at different sides) With standard doors, net height 2000 mm min. 2200 (masonry shaft doors same side) min. 2400 (metallic shaft doors same side)
Number of stops	Max. 6 stops per lift / 12 doors per lift
Number of doors per floor	Max. 2 doors per floor
Pit	120 mm (no pit is required when there is a threshold/ramp)
Shaft Top height	Standard 2300 mm depending on shaft type and landing doors.
Cabin control	Hold-to-Run
Landing control (on door)	One-touch
Environment	Indoor / Outdoor (between -5°C and +40°C with oil heating device).
Emergency lowering	Battery operated emergency lowering
Control voltage	24V
Power requirements	1-phase 230Vac 50/60Hz - Max Power 3 kW
Circuit Breaker / RCD	16A Tripping curves C / 30mA class A or B
Cabinet for Hydraulic unit and Electrical panel	Dimensions: 750x1500x460 mm RAL 7001; Optionally painted at choice.



The lift has a compact open cabin to fit in the narrowest environments or a Panel wall with ceiling for a completely panoramic installation.

- ⊙ Platform with ceiling and Swing doors at landings
- ⊙ Cabin without doors and Swing doors at landings



H200 Hold To Run - dimensions and configurations

Our Home lift H200 can be offered with standard preconfigured solutions or can be customised in every detail and dimension perfectly matching your environment.

- Panel wall with ceiling or Cabin without doors
- Access side(s) monitored by photocells. Optional full height light curtains for the cabin accesses
- Application in existing shaft or with its own metallic shaft
- Indoor or Outdoor
- Front, Lateral, Opposite and Adjacent accesses

Predefined plan sizes - cabin dimensions

The most frequently requested plan sizes.

Rated load according to EN81-41 (250 kg/m²) up to 400 kg maximum, depending on cabin type, access configuration and optional features.

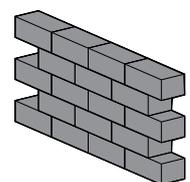
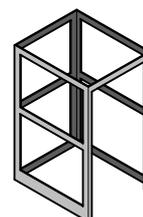
Plan Code	Nominal Cabin Dimensions (mm)	Nominal Floor area (m ²)	Nominal Load (kg)
P1	900 x 1200	1,08	270
P2	1000 x 800	0,80	250
P3	1000 x 1000	1,00	250
P4	1200 x 1000	1,20	300
P5	1200 x 1200	1,44	360
P6	1400 x 900	1,26	315
P7	1400 x 1000	1,40	350
P8	1400 x 1100	1,54	400

Cabins with intermediate dimensions are available. Please refer to "Feasibility Information" section.



Cabin Dimensions

- ✓ H200 is available in 100 different plan sizes
- ✓ H200 is also offered in customised dimensions
- ✓ The rated load depends on the platform size and the required power supply is 230 V 1-phase.

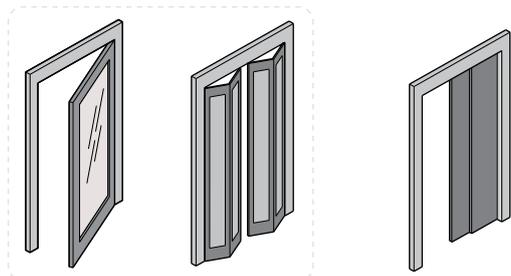




H200 Automatic - fact sheet

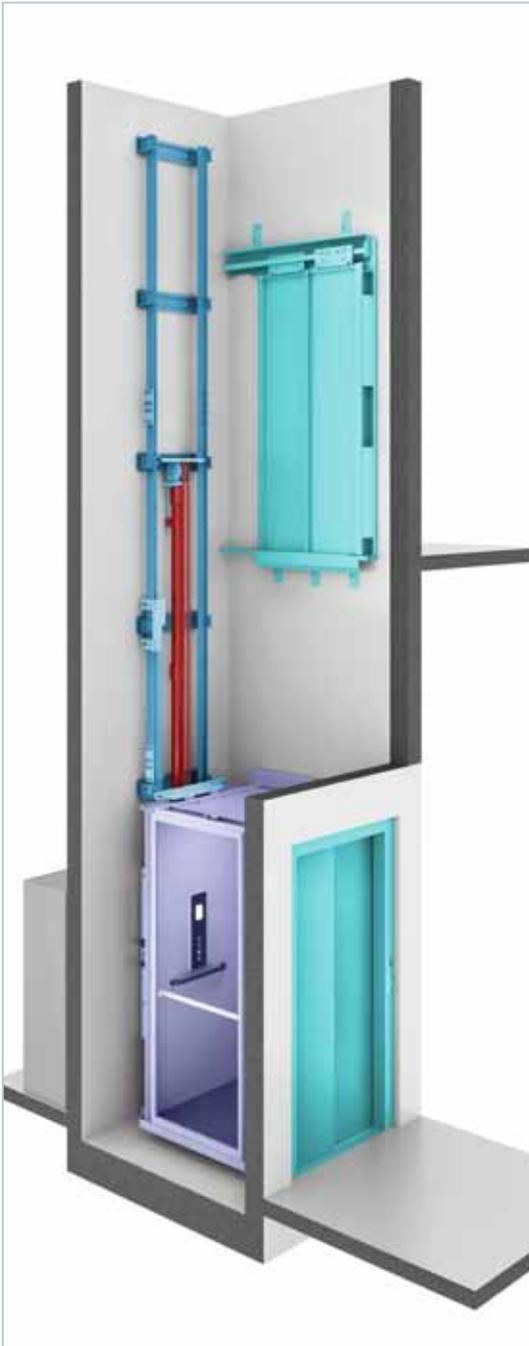
The H200 incorporates proven and reliable hydraulic technology and can offer comfort and performance. A safe and efficient Home lift for superior performances with speed from 0,15 m/s and a fully automatic operation when provided with cabin doors

Technical compliance	European Machine directive 2006/42/EC Reference standard: EN 81-41
Drive system	Hydraulic control unit with indirect action by chains
Max speed	Europe: 0,15 m/s according to 2006/42/EC Soft start / stop
Rated Load	250 - 400 kg depending on cabin size
Travel height	900 - 12600 mm (up to 13600 for light configurations)
Distance between intermediate floor	min. 250 mm (doors at different sides) With standard doors, net height 2000 mm min. 2460 (masonry shaft doors same side) min. 2550 (metallic shaft doors same side)
Number of stops	Max. 6 stops per lift / 12 doors per lift
Number of doors per floor	Max. 2 doors per floor
Pit	120 mm (no pit is required when there is a threshold/ramp)
Shaft Top height	Folding Doors. Std 2320 mm (Reduced 2240) Sliding Doors: Photocells 2450 mm / Light Curtains 2500 mm)
Cabin control	One-touch
Landing control (on door)	One-touch with call reservation
Environment	Indoor / Outdoor (between -5°C and +40°C with oil heating device).
Emergency lowering	Battery operated emergency lowering
Control voltage	24V
Power requirements	1-phase 230Vac 50/60Hz - Max Power 3 kW
Circuit Breaker / RCD	16A Tripping curves C / 30mA class A or B
Cabinet for Hydraulic unit and Electrical panel	Dimensions: 750x1500x460 mm RAL 7001; Optionally painted at choice.



The lift has a completely enclosed cabin for a comfortable automatic operation.

- ✔ Cabin with Folding Doors and Swing doors at landings
- ✔ Cabin with Sliding doors and Sliding doors at landings



H200 Automatic - dimensions and configurations

Our Home lift H200 can be offered with standard preconfigured solutions or can be customised in every detail and dimension perfectly matching your environment.

- Cabin with automatic Folding Doors
- Cabin with automatic Sliding Doors
- Application in existing shaft or with its own metallic shaft
- Indoor or Outdoor
- Front, Lateral, Opposite and Adjacent accesses

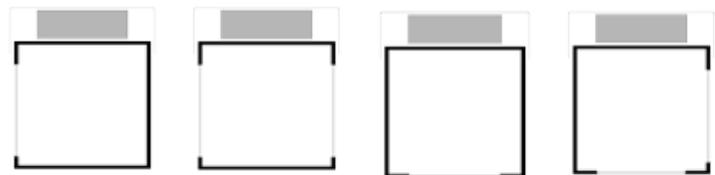
Predefined plan sizes - cabin dimensions

The most frequently requested plan sizes.

Rated load according to EN81-41 (250 kg/m²) up to 400 kg maximum, depending on cabin type, access configuration and optional features.

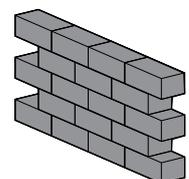
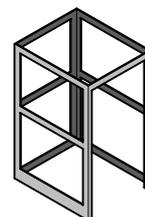
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P1	900 x 1200	1,08	270
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P4	1200 x 1000	1,20	300
P5	1200 x 1200	1,44	360
P6	1400 x 900	1,26	315
P7	1400 x 1000	1,40	350
P8	1400 x 1100	1,54	400

Cabins with intermediate dimensions are available. Please refer to "Feasibility Information" section.



Cabin Dimensions

- ✓ H200 is available in more than 200 different plan sizes
- ✓ H200 is also offered in customised dimensions
- ✓ The rated load depends on the platform size and the required power supply is 230 V 1-phase.



H200 full panel with ceiling



Full Panel Platform with Ceiling
Hold to Run operation
Red Button for emergency situation in the COP

Full Panel with ceiling

H200 is delivered with a C-shaped platform made of a platform, a full height panel (2100 mm) with a roof.

The panels and the roof can be:

- Skinplate or RAL painted
- made in Stainless Steel

The full height panel is available for G-side in different sizes and is complemented with the vertical posts containing a set of photocells for each open side.

Panel height

Standard 2100 mm.

For more details and information about minimum free height please refer to pag.40

Fold down seat

In solid transparent plexiglass and with metal like painted brackets. The seat has to be folded back manually after use.

Can be ordered as an option.

Size: 300 x 420 mm

Rated Load: 100 kg according to EN81-41

Platform

Provided with vinyl floor at choice

Control Panel & Handrail

Control Panel is black mirror, comes with white LED backlight and can be fitted with TFT display and autodialer. A handrail is mandatory according to EN81-41 and is delivered as standard in black finish 60 cm wide.

Nominal Dimensions

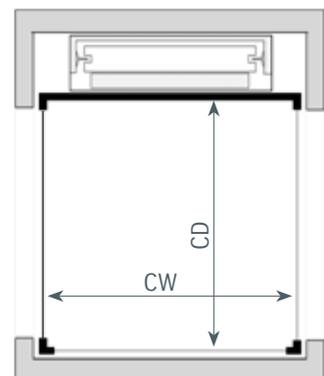
H200 full panel with ceiling is available in more than 50 plan sizes. Platform dimension has been preselected according to the most frequently asked configurations and the layout is designed to maximize the net door access. Detailed drawings are included in the annex.

Intermediate dimensions for doors and plan sizes are possible.

Smallest Cabin (CWxCD): 560 mm x 600 mm with access side A and/or C

Smallest Cabin (CWxCD): 630 mm x 600 mm with access side B

Biggest Cabin (CWxCD): 1600 mm x 1100 mm



H200 cabin without doors



Cabin without doors with one or two accesses
Hold to Run operation
Red Button for emergency situation in the COP

Cabin without doors

H200 is delivered with a cabin with one or two access.
At landings you will have swing doors.

Cabin wall finishes and roof:

- Skinplate or RAL painted
- made in Stainless Steel
- High Pressure Laminates with different styles and accent on the central panel and corners

Accesses are protected by a set of photocells for each open side.

Cabin height

Standard 2100 mm.

In case of false ceiling net cabin height is reduced by 70 mm
For more details and information about minimum free height please refer to pag.40

Fold down seat

In solid transparent plexiglass and with metal like painted brackets. The seat has to be folded back manually after use.
Can be ordered as an option.

Size: 300 x 420 mm

Rated Load: 100 kg according to EN81-41

Platform

Vinyl, carpet or stones floor at choice

Control Panel & Handrail

Control Panel is black mirror, comes with white LED backlight and can be fitted with TFT display and autodialer.
Handrail can be fitted on each cabin wall at choice, including the guide side.

Optional control panel for Elegance cabins: Mirror / Gold

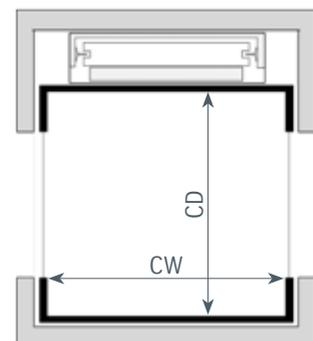
Nominal Dimensions

H200 CABIN is available in more than 50 plan sizes.
Cabin dimension has been preselected according to the most frequently asked configurations and the layout is designed to maximize the net door access.
Detailed drawings are included in the annex.

Intermediate dimensions for doors and plan sizes are possible.

Smallest Cabin (CWxCD): 750 mm x 625 mm

Biggest Cabin (CWxCD): 1600 mm x 1100 mm



H200 cabin with folding doors



Cabin with folding doors

Cabin folding doors

H200 is delivered with a completely enclosed cabin with automatic folding doors at each access (max 2).

Folding doors are a perfect fit in case of space claim.

At landings you will have swing doors.

Cabin doors:

- 4 panels central opening
- RAL painted or Stainless Steel
- Blind or Panoramic

Cabin wall finishes:

- Skinplate or RAL painted
- Stainless Steel
- High Pressure Laminates with different styles and accent on the central panel and corners

Cabin height

Standard 2100 mm

In case of false ceiling net cabin height is reduced by 70 mm.

For more details and information about minimum free height please refer to pag.40

Control Panel & Handrail

Control Panel is black mirror, comes with white LED backlight and can be fitted with TFT display and autodialer. Handrail can be fitted on each cabin wall at choice, including the guide side.

Optional control panel for Elegance cabins: Mirror / Gold

Nominal Dimensions

H200 with folding doors is available in more than 50 plan sizes.

Cabin dimension has been preselected according to the most frequently asked configurations and the layout is designed to maximize the net door access.

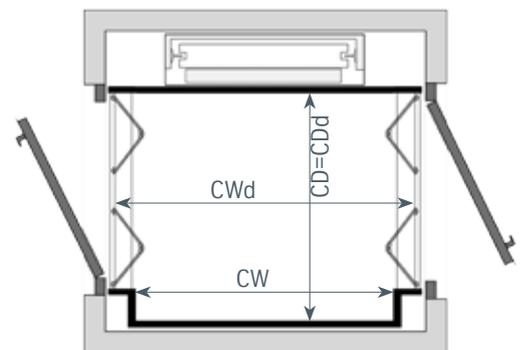
Detailed drawings are included in the annex.

Intermediate dimensions for doors and plan sizes are possible.

Smallest Cabin (CWxCD): 750 mm x 650 mm

Biggest Cabin (CWxCD): 1400 mm x 1100 mm

CW/CD: Cabin dimensions measured wall to wall - recommended for public access
 CWd/CDd: Cabin dimensions measured door to door - valuable for private
 Rated Load based on CWxCD



H200 cabin with sliding doors



Cabin with sliding doors

Cabin sliding doors

H200 is delivered with a completely enclosed cabin with automatic telescopic doors at each access (max 2). Accesses are protected with photocells or optionally with full height light curtains.

Cabin doors:

- 2 panels lateral opening or 4 panels central opening
- Skinplate, RAL painted or Stainless Steel
- Blind or Panoramic

Cabin wall finishes:

- Skinplate or RAL painted
- Stainless Steel
- High Pressure Laminates with different styles and accent on the central panel and corners

Cabin height

Standard 2100 mm

In case of false ceiling net cabin height is reduced by 70 mm.

For more details and information about minimum free height please refer to pag.40

Control Panel & Handrail

Control Panel is black mirror, comes with white LED backlight and can be fitted with TFT display and autodialer.

Handrail can be fitted on each cabin wall at choice, including the guide side.

Optional control panel for Elegance cabins: Mirror / Gold

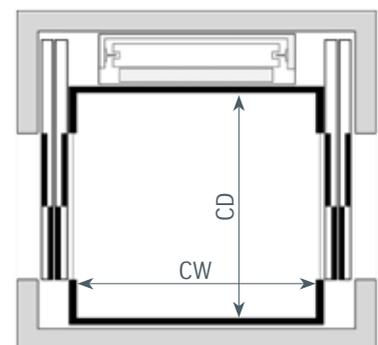
Nominal Dimensions

H200 with sliding doors is available in more than 50 plan sizes. Cabin dimension has been preselected according to the most frequently asked configurations and the layout is designed to maximize the net door access. Detailed drawings are included in the annex.

Intermediate dimensions for doors and plan sizes are possible.

Smallest Cabin (CWxCD): 750 mm x 650 mm

Biggest Cabin (CWxCD): 1400 mm x 1100 mm



Cabin - Main features

① Control Operation Panel

The control panel is always placed on the machine side (G-side) of the cabin. It contains the destination buttons, the alarm button, the open door button or the emergency red button depending on the models.

As an option it can be configured with a colour display and an autodialer system and/or a key.

It has a backlight all around the profile which emphasizes the design of the panel.

Standard: Polished Steel Black.

Optional: Mirror; Gold (Elegance Cabin only)

The location of the platform buttons and the handrail conform to EN 81-41

② Destination buttons

Destination buttons conform to EN 81-41. The location of the buttons are within the limits in the standard, i.e. height between cabin floor and the centre line of the buttons is between 900-1100 mm.

Standard buttons are engraved with braille.

Diameter of buttons in vertical panel: 37 mm

Following buttons are available:

-2, -1, 0, 1, 2, 3, 4, 5, 6, B, BG, BV, G, K, KV, P, U, E.

COP layout is in two columns, in case of more buttons. Finishes matching with the control panel.

③ Alarm button

A standard alarm button is always delivered with the lift. The alarm button is connected to an external alarm sounder and to an optional autodialer.

When it is pressed, a siren sounds.

Keep it pressed for 3 seconds to activate the emergency call with the optional autodialer.

④ Handrail

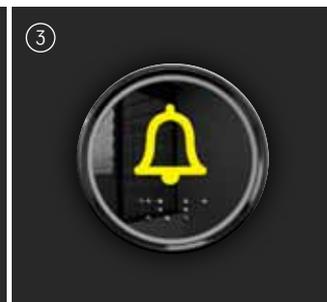
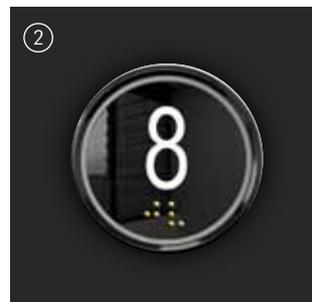
A handrail is mandatory according to EN81-41

The height between platform floor and top edge of the handrail is between 875 - 925 mm.

Minimum cross-sectional dimension is 30 mm.

Standard Cabin: Black [G-side only] or Stainless Steel

Elegance Cabin: Stainless steel or Gold (Satin).



5 External alarm sounder

The alarm sounder is mounted in the electrical cabinet. It is connected to the alarm button and when the button is pressed the siren will give a loud signal outside the lift to attract attention in case of emergency.



6 Display and Landing indicator

TFT colour display is positioned on the control panel. It shows which floor the lift is on at the moment.

Display can also show the following information from the system:

- Direction of the lift when travelling
- Several different icons depending on the message or the status of the lift (for instance, a bell when the alarm button has been pressed, a weight symbol if the lift is overloaded)
- Error code for diagnostics
- If connected to the building's fire alarm a symbol will be shown when alarm is activated.

The display can be ordered as an option and different audio options can be selected:

- No acoustic signal
- Acoustic signal in the cabin and at landings
- Voice announcer at cabin and acoustic signal at landings

Available languages for the voice announcer are: English, Italian, French, German, Spanish, Dutch, Portuguese, Czech and Russian.



7 Building Integration

In combination with the Display, the lift can be connected to the building's fire alarm. In case of fire, a symbol on the display will be shown when the alarm is activated and the lift will move to a predetermined floor and park there.



8 Key switch on platform

The key switch locks the Home lift's functions and prohibits unauthorized use.

Two options to choose from:

- mechanical key
- i-button

One key switch per cabin or one key switch per each stop (max 4) can be provided.

Specific configurations can be designed to allow individual access for different users.

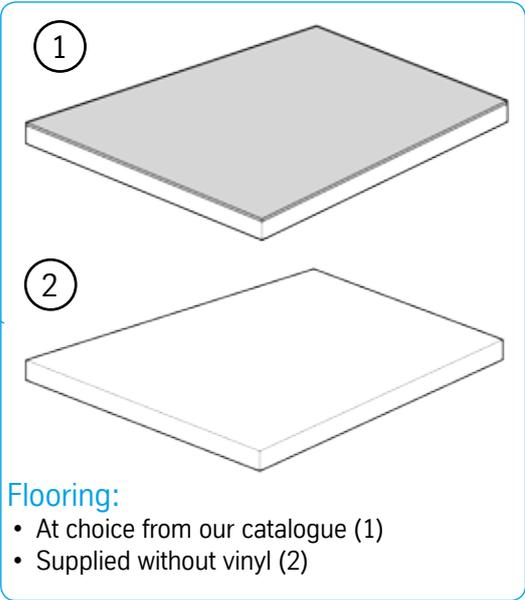
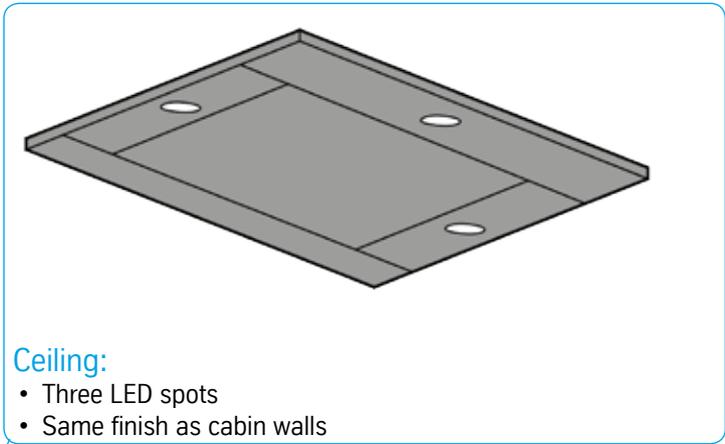


Mechanical key

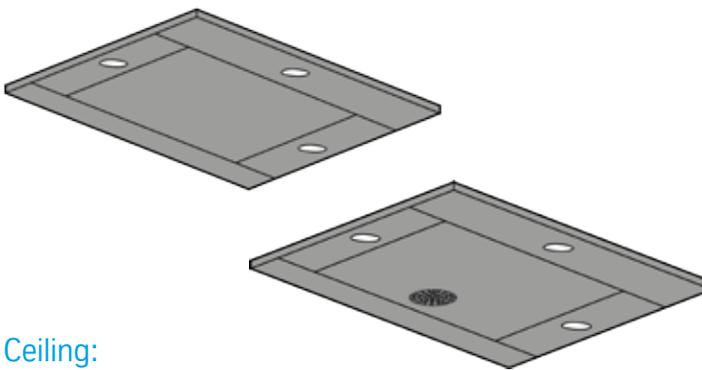


i-button

Full Panel with ceiling - Layout

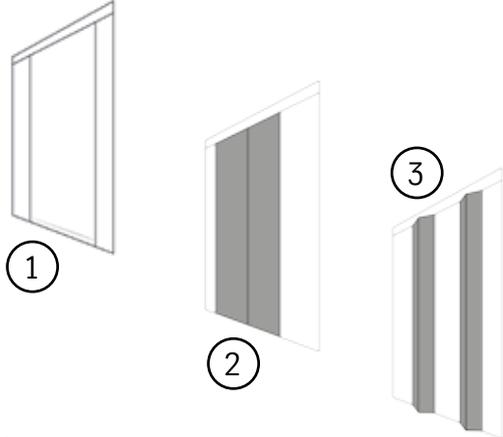


Standard Cabin - Layout



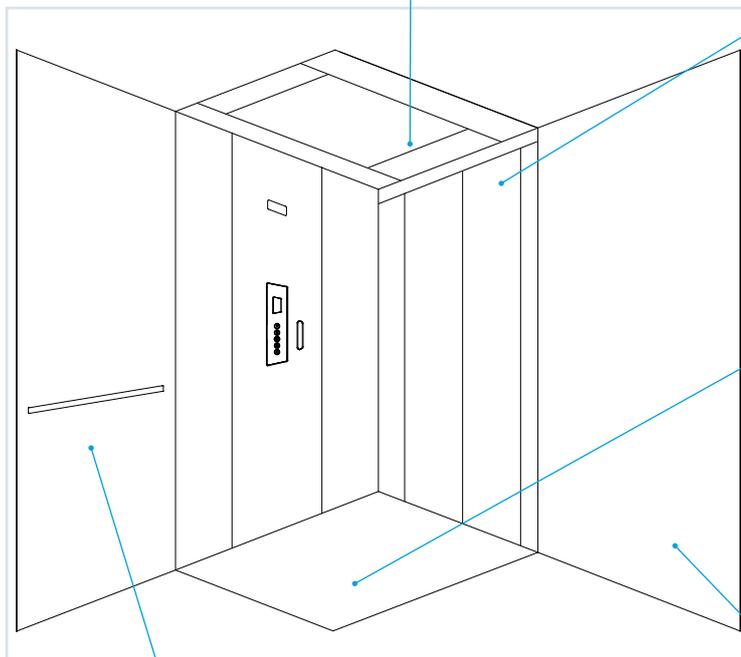
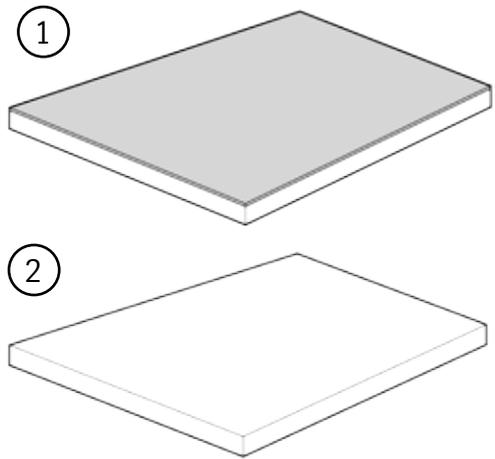
Ceiling:

- Three LED spots
- Same finish as cabin walls
- Optional ventilation Fan



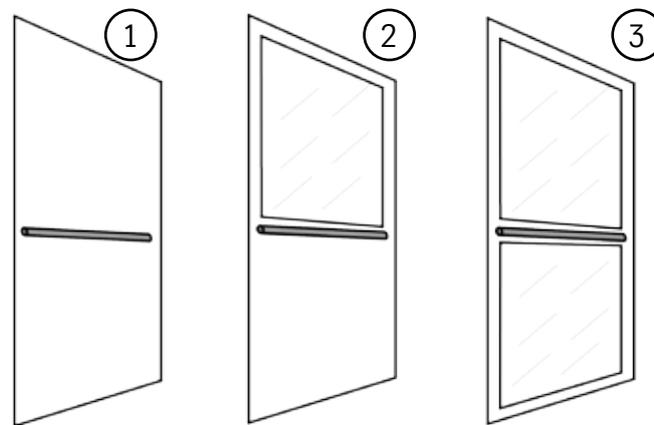
Access Side:

- Photocells (1)
- Sliding door (2)
- Folding door (3)

Flooring:

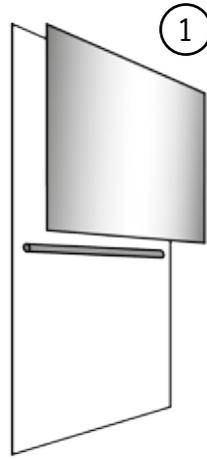
- At choice from our catalogue (1)
- Supplied without vinyl (2)



Cabin Wall:

Blind Wall (1) Half Panoramic (2) Full Panoramic (3)

Half and Full Panoramic in the same finish as blind wall
 Handrail not included - Mandatory on Full Panoramic for Public Access solutions



Mirror for cabin wall:

- Half Wall (1)
- Optional handrail

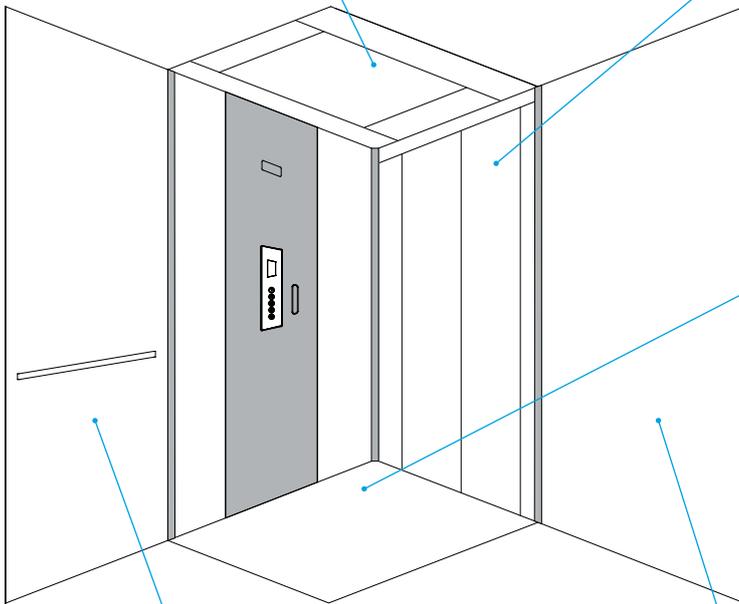
Elegance Cabin - Layout

Suspended ceiling:

- Opal (1)
- Round (2)
- Plain steel (3)
- Starry sky - Stainless Steel (4)

Access Side:

- Photocells (1)
- Sliding door (2)
- Folding door (3)



Flooring:

- At choice from our catalogue (1)
- Prepared for Customer application (2)

Cabin Wall:

Blind Wall (1) Half Panoramic (2) Full Panoramic (3)
 Half and Full Panoramic in the same finish as blind wall
 Handrail not included - Mandatory on Full Panoramic for Public Access solutions

Mirror for cabin wall:

- Slat vertical - fixed dimensions (1)
- Half wall (2)
- Full wall (3)

Standard Cabin - Finishes

Flooring - FOR BOTH CABIN AND FULL PANEL WITH CEILING

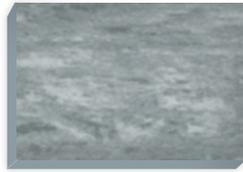
Choose between the following options for safety vinyl flooring with guaranteed life time non-slip.



White Vinyl



Sand Vinyl



Grey Vinyl

Choose to have your lift delivered without flooring, if you want to apply your own. Max 3 mm flooring for flush top alignment.

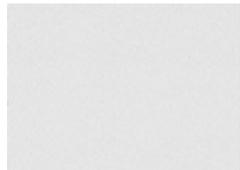
Cabin Wall

RAL Colour suggested for painted parts to match with the pre-coated steel.

PRE-COATED STEEL - PLAIN



A4 - RAL9010 (standard)



A1 - RAL9003



A13 - RAL1013



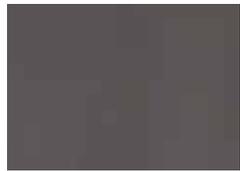
B13 - RAL5024



G1 - RAL1015



N1 - RAL7035



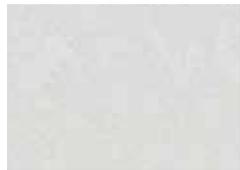
PPS - Metal Like - RAL7037

RAL PAINT OF CHOICE
- FOR BOTH CABIN AND FULL PANEL WITH CEILING

PRE-COATED STEEL - PPS



PPS1 - RAL 7035



PPS10 - RAL 9003



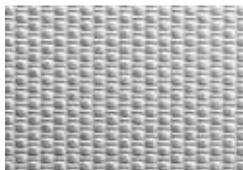
PPS11 - RAL 1013



STAINLESS STEEL



Stainless Steel Satin



Stainless Steel Linen (Scratch resistant finish)

Real colours and layout may differ from those shown. Slight noticeable differences are possible because of different materials. Contents subject to change without notice

Elegance Cabin - Finishes

Cabin Wall

LAMINATE - WOOD



Dark wood 4303



Bright wood 4367



Bright wood 4515



Bright wood 4533



Warm wood 4511

LAMINATE - TEXTURE



Tx 2606



Tx 3318

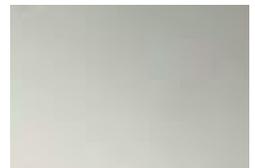


Tx 4485

STAINLESS STEEL



Stainless Steel Satin

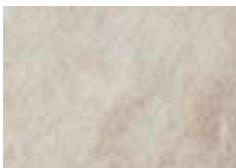


Stainless Steel Mirror

LAMINATE - CONCRETE



Cr 868



Cr 585

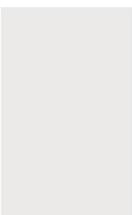


Cr 3331

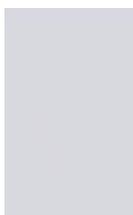


Cr 546 (former Cr 1117)

ACCENT – CORNERS AND CENTRAL PANEL



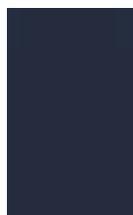
9003



7035



7012



7021



Satin



Mirror



Gold



1019



3003



6011



5024

Real colours and layout may differ from those shown. Slight noticeable differences are possible because of different materials. Contents subject to change without notice.

Flooring

Choose between the following options for safety vinyl flooring with guaranteed lifetime non-slip.

VINYL



White



Sand



Grey

STONES



White



Sand



Grey



Black

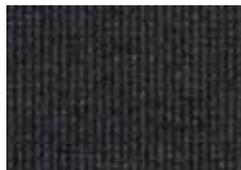
CARPETS



White



Sand



Grey

Ceiling

Elegance cabin is always provided with a counterceiling with LED light. Choose between the following options:

① Opal (standard)

② Plain

③ Round

④ Starry Sky



Starry sky is stainless steel satin. The other ceilings are in RAL9010 (white) painted steel. As option can be ordered in Stainless Steel Satin



Elegance Cabin - Designer's choice

① MODERN EUROPE

Wall: Bright Wood 4515
 Accent: Black 7021
 Ceiling: Round
 Flooring: Grey Vinyl
 Mirror: none
 Handrail: S.Steel 2 pieces (for 1400 wide cabin only)

② MODERN AMERICAS

Wall: Concrete 3331
 Accent: Blue 5024
 Ceiling: Plain
 Flooring: Grey Vinyl
 Mirror: Slat vertical
 Handrail: S.Steel 2 pieces (for 1400 wide cabin only)

③ MODERN ASIA

Wall: Texture 2606
 Accent: Red 3003
 Ceiling: Opal
 Flooring: Grey Vinyl
 Mirror: none
 Handrail: S.Steel 2 pieces (for 1400 wide cabin only)



① CLASSIC EUROPE

Wall: Cool Wood 4511
 Accent: Beige 1019
 Ceiling: Plain
 Flooring: Sand Carpet
 Mirror: Full Wall
 Handrail: S.Steel 2 pieces (for 1400 wide cabin only)

② CLASSIC AMERICAS

Wall: Texture 3318
 Accent: Light Grey 7035
 Ceiling: Plain
 Flooring: Grey Vinyl
 Full Height Panoramic wall
 Handrail: S.Steel 1 piece onto panoramic wall

③ CLASSIC ASIA

Wall: Dark Wood 4303
 Accent: Red 3003
 Ceiling: Plain
 Flooring: Grey Vinyl
 Mirror: Half Wall
 Handrail: S.Steel 2 pieces (for 1400 wide cabin only)



① NATURAL EUROPE

Wall: Warm Wood 4533
Accent: Green 6011
Ceiling: Plain
Flooring: Grey Carpet
Mirror: none
Handrail: S.Steel 2 pieces (for 1400 wide cabin only)

② NATURAL AMERICAS

Wall: Texture 4485
Accent: Dark Grey 7012
Ceiling: Plain
Flooring: Sand Carpet
Mirror: none
Handrail: S.Steel 2 pieces (for 1400 wide cabin only)

③ NATURAL ASIA

Wall: Bright Wood 4367
Accent: Green 6011
Ceiling: Plain
Flooring: Grey Carpet
Mirror: none
Handrail: S.Steel 2 pieces (for 1400 wide cabin only)



① **MODERN INTERNATIONAL**

- Wall: Texture 868
- Accent: Steel Mirror
- Ceiling: Plain
- Flooring: White Stone
- Mirror: none
- Handrail: S.Steel 2 pieces (for 1400 wide cabin only)

② **NATURAL INTERNATIONAL**

- Wall: Concrete 585
- Accent: Dark Grey 7012
- Ceiling: Plain
- Flooring: White Carpet
- Mirror: none
- Handrail: S.Steel 2 pieces (for 1400 wide cabin only)

③ **CLASSIC INTERNATIONAL**

- Wall: Concrete 1117
- Accent: Steel Gold
- Ceiling: Plain
- Flooring: Sand Stone
- Mirror: none
- Handrail: S.Steel 2 pieces (for 1400 wide cabin only)



Dark Grey 7012

Steel Gold

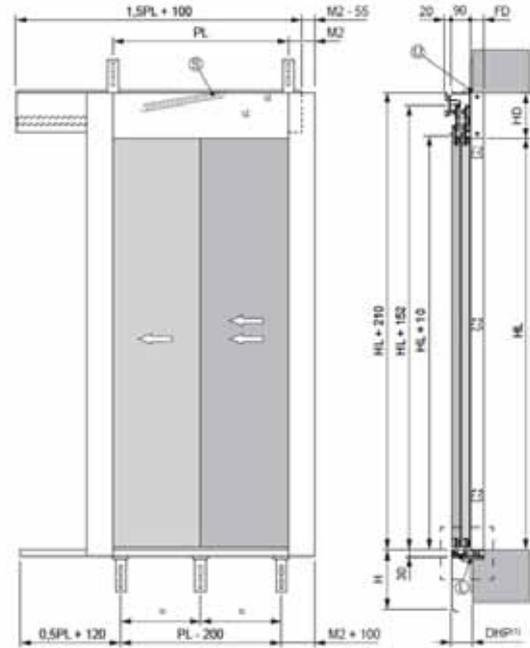
Doors

Sliding doors – Lateral opening

- The door height (HL) is 2000 mm.
- The door frames have dimensions 100 mm on each side (M1, M2, HD).
- The door sill of the landing door is 90 mm (Cabin door 70 mm).
- The frame is 60 mm deep (FD).
- The opening can be right or left with two panels.
- The lock release has a triangular key provided with each machine.
- Standard Installation is fully in the shaft (DHP = 110 mm).
- EI60 and EI120 – Fireproof door can be ordered as option at landings.

Door clear access (PL)	Total width (1,5 PL + 145)
600 mm	1045 mm
700 mm	1195 mm
800 mm	1345 mm
900 mm	1495 mm

Nominal dimensions in mm



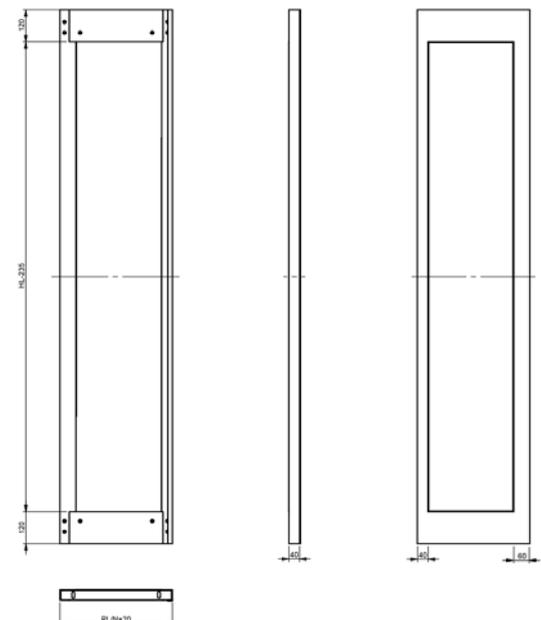
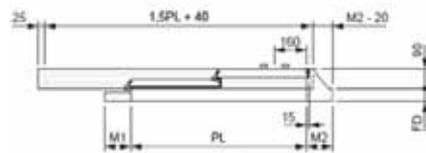
Sliding doors – Lateral opening – Glass version

- The glass version has the same dimensions as the blind version
- The panel dimensions depend on the door clear access as shown in the picture (PL/N+20) where N is the number of panels
- The frame around the glass has standard dimensions and is in Stainless Steel Satin finish. As option can be painted in RAL colour at choice.
- Top and bottom: 120 mm. Lateral: 40 mm and 60 mm

Sample size – lateral open 2 panels - glass version

Door clear access (PL)	Panel size	Glass Size
600 mm	320 mm	220 mm
700 mm	370 mm	270 mm
800 mm	420 mm	320 mm
900 mm	470 mm	370 mm

Nominal dimensions in mm



Sliding doors – Central opening

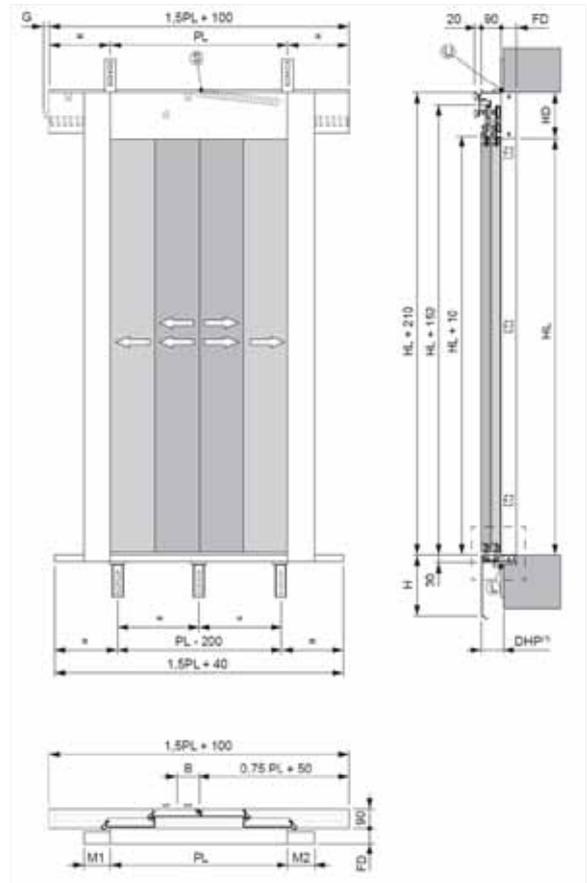
- The door height (HL) is 2000 mm
- The door frames have dimensions 100 mm on each side (M1, M2, HD)
- The door sill of the landing door is 90 mm (Cabin door 70 mm)
- The frame is 60 mm deep (FD)
- The opening is central with four panels.
- The lock release has a triangular key provided with each machine.
- Standard Installation is fully in the shaft (DHP = 110 mm)

- EI60 and EI120 – Fireproof door can be ordered as option at landings.

Door clear access (PL)	Total width
600 mm	1040 mm
700 mm	1165 mm
800 mm	1300 mm
900 mm	1450 mm

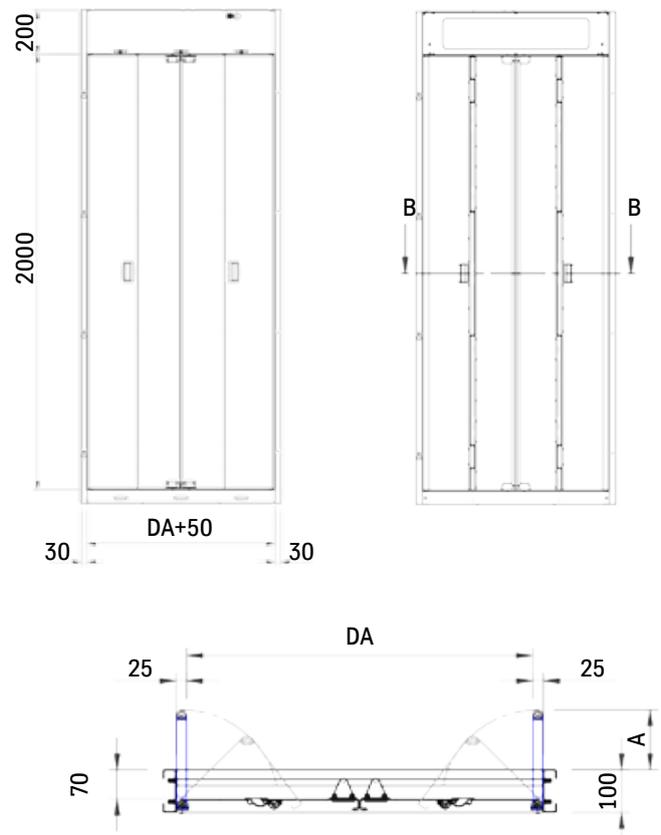
PL	600	650	700	≥750
G	40	30	15	0

Nominal dimensions in mm



Cabin folding doors

- Four panel central opening.
- The door height is 2000 mm.
- The door sill of the landing door is 100 mm



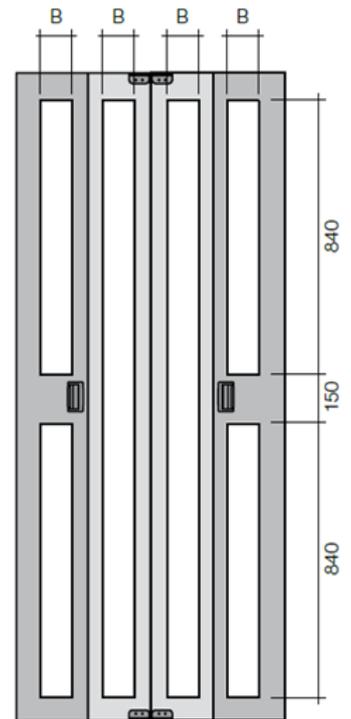
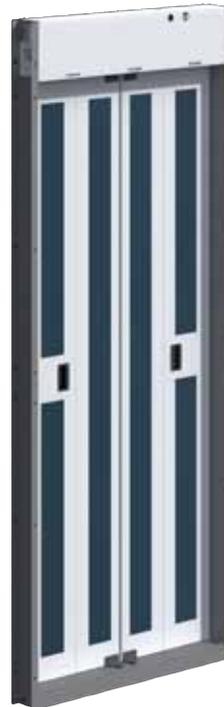
Door clear access [DA]	A
600 mm	90 mm
700 mm	115 mm
800 mm	140 mm
900 mm	165 mm

“A” is the max encumbrance in the cabin with door opened
 Nominal dimensions in millimeters



Cabin folding doors – Glass version

- The glass version has the same features as the blind version (dimensions, finishes, etc.).
- Two models available with or without handles at the inner side.
- The glass dimension depends on the door clear access as shown in the picture.



Door clear access (PL)	Glass Size B	Glass Size C
600 mm	65 mm	97 mm
700 mm	90 mm	122 mm
800 mm	115 mm	147 mm
900 mm	140 mm	171 mm

Pictures for door height 2000 mm
Nominal dimensions in millimeters

B= Door clear access/4 - 85
C= Door clear access/4 - 53

Version without handles is much appreciated from a cosmetic point of view.
Version with handles is highly recommended in public access solutions.
Please specify the required version at order stage.



Swing Landing Doors

General information

The landing doors installed at each landing are made of steel.
Doors can be blind or panoramic.

All doors are painted in RAL 9010 (White) but can be as an option

- painted in any RAL colour
- covered in stainless steel

The door frame is in the same finish as the door.

Panoramic doors have a safety glass 10/11 mm thick.

Standard is with transparent glass.

Optional: Smokey Grey, Smokey Satin, Opaline or Half Reflecting glass.

The profiles around the glass are made of aluminium.

The profiles can be painted in any RAL colour as an option.

All doors can be left or right hinged. Doors are always delivered with door frames. It is not possible to order the door or the frame separately.



Panoramic door

Door with one glass window.

Opening widths: 600, 650, 700, 750, 800, 850, 900 mm

Opening height: 2000 mm

Different dimensions could be available on specific request.

Glass window (*): 470x1600 mm (700 mm wide door)

570x1600 mm (800 mm wide door)

670x1600 mm (900 mm wide door)

Standard:

- Door and door frame in RAL 9010 (White)
- Glass window: Transparent

Options:

- Door and door frame in other RAL colour
- Glass window: Smokey Grey, Smokey Satin, Opaline or Half Reflecting.



(*) Dimensions might slightly differ for different batches

Door frame and actual height

The door frames have dimensions 100 mm on each side
 Special frames are feasible on request.

In case of automatic door opener for doors in concrete shaft the top frame will be 140 mm instead of 100 mm.

Door net width (mm)	Door total width including frame (mm)	Door net height (mm)	Door total height including frame (mm)
600	800	2000	2100 / 2140
650	850	2000	2100/2140
700	900	2000	2100/2140
750	950	2000	2100/2140
800	1000	2000	2100/2140
850	1050	2000	2100/2140
900	1100	2000	2100/2140



Blind Door



Panoramic Door

EI120 – Fire & smoke proof door

Fire & smoke proof doors comply with EN 81-58.

EI doors are blind without any glass window.
 EI doors are provided with their own specific handle
 EI doors are always delivered with a frame.
 The door frames have dimensions 100 mm on each side

It cannot be provided with the standard LOP in the door frame.
 An external Call Box shall be ordered.

Opening width: 600, 650, 700, 750, 800, 850, 900 mm
Opening height: 2000 mm

Standard: Door and door frame in RAL 9010 (White)
Options: Door and door frame in other RAL colour



Fireproof Door

Door options

Door handle

One stainless steel handle is provided as standard with each landing door.

Optionally a longer handle with modern design can be ordered

Standard "Techno": 207 mm

Optional "Modern": 350 mm \varnothing 20 mm



Standard doors are semi-automatic which means that they are opened manually and they close automatically. The closing speed and time cannot be adjusted.

External door opener - optional

An automatic door opener can be ordered as option. It opens and closes the door automatically. Door opening / closing time and speed are adjustable.

The cover is always painted white.

Only for doors with Clear Access \geq 650mm.



Internal door closer - optional

It closes the door automatically. It is built into the door frame and is invisible from the outside. It includes the function to keep the door open until the user manually closes the door. Closing speed can be adjusted.

Only for doors with Clear Access \geq 650mm.



Door control

The door control is placed on the door frame of each landing door.

Optionally it is possible to have it placed away from the lift as an additional external control box.

Door control on door frame

Door control placed on the door frame on the lift.

In case of specific door frames (different from 100 mm) there is a reduced range of control types available.

Door faceplate

The door faceplate is Stainless Steel as standard.

The door faceplate can include:

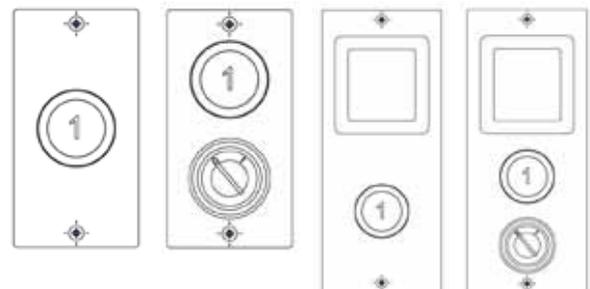
- Call button
- Key switch
- i-button
- LCD display
- Key switch prepared for EUROKEY (Model 393/211)



Key switch / School locking

Instead of having a normal call button on the door faceplate, a key switch is possible. The user needs to have the key to be able to call and access the lift. It includes school locking function which automatically locks the door after an adjustable time.

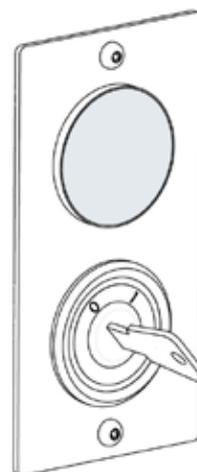
We can provide one key switch per door only.



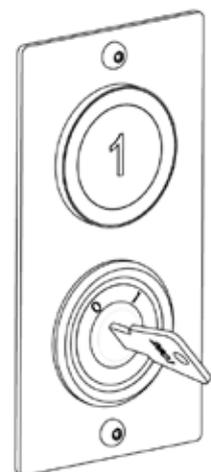
Call button

The call button comes with a background lit frame which indicates the status of the lift.

- Green light indicates that the lift is at your floor. Lit only on the floor where the platform is at the moment.
- Red light indicates that the lift is occupied. It is busy and you can't call it. In case of cabin with doors, call reservation is possible.
- The flashing light indicates that the security circuit is broken. The flashing light can also be activated by an alarm, more information is then available in the service memory.



Operation Key + lit signal



Enabling Key + Push Button

Cable control station – placed away from lift

Door control placed away from the lift in an external call box connected to the lift via a cable

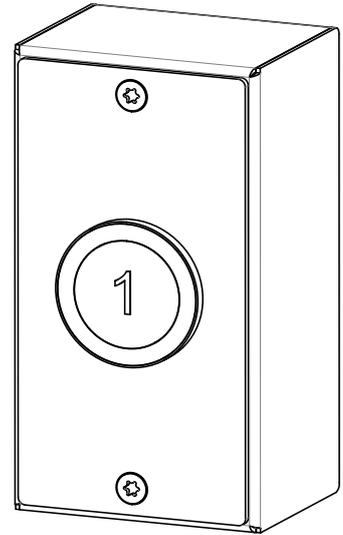
Size: 130x70x55 mm without display
220x95x55 mm with display

Finish: The faceplate is stainless steel satin.

The call box can be Surface Mounted or Flush Mounted.

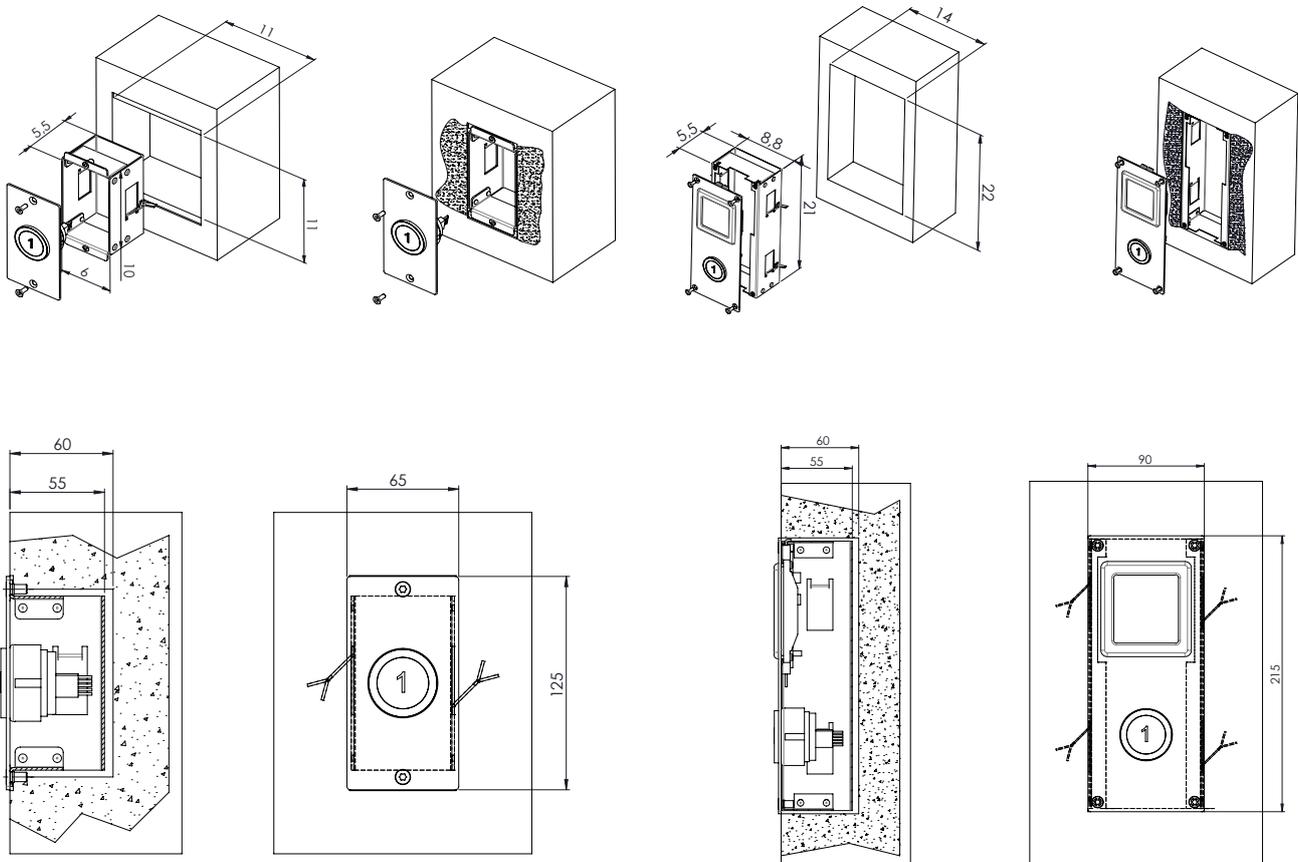
The Radio control station is available in three different configurations. It can be ordered in addition to the standard faceplate at landing or as remote sender from a specified floor to a different specified destination floor.

Max 1 remote sender per floor. Push button only.



Call box for flush wall mounting

Reccomended dimensions for mounting



Landing indicator on door

Digital display positioned at the door frame. It shows which floor the lift is on at the moment.

The landing indicator can also show the following system information:

- Direction of the lift when travelling
- A bell when the alarm button has been pressed.
- A weight symbol will appear if the lift is overloaded.
- Error code for diagnostics
- Out of service state

Can be ordered as option. For Indoor application.



Shaft structure

no rivets, no silicon weatherproof and suitable for seismic conditions^(*)

H200 can be delivered with its own patent pending metallic shaft.

The required headroom for the shaft structure (distance from top floor to top of shaft) depends on the type of top roof and landing doors. This includes a free height of **30mm** between metal shaft roof and building for installation purpose.

Elongation of the shaft is possible.

All the four sides will be cladded by the shaft panels in steel or glass, provided with a special gasket for water management. Also available essential panels to be mounted with silicon. It is highly recommended to use panels with gasket for outdoor installation. It is highly recommended to use steel panel on side G.

The lowest and the top panels on the guide side are always provided with a round axial aerator.

Typical Required Headroom with standard cabin. Please refer to "Feasibility information" section for further details

Model	Cabin without Doors	Cabin Folding Doors	Cabin Sliding Doors
H200 in concrete shaft	2300 mm	2320 mm	2450 mm / 2500 mm
H200 metal shaft header diagonals - indoor	2450 mm	2450 mm	2590 mm
H200 metal shaft flat roof - indoor	2470 mm	2470 mm	2610 mm
H200 metal shaft inclined roof - outdoor	2490 mm	2490 mm	2630 mm

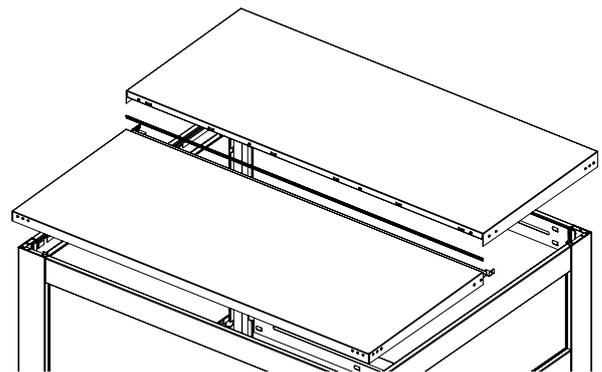
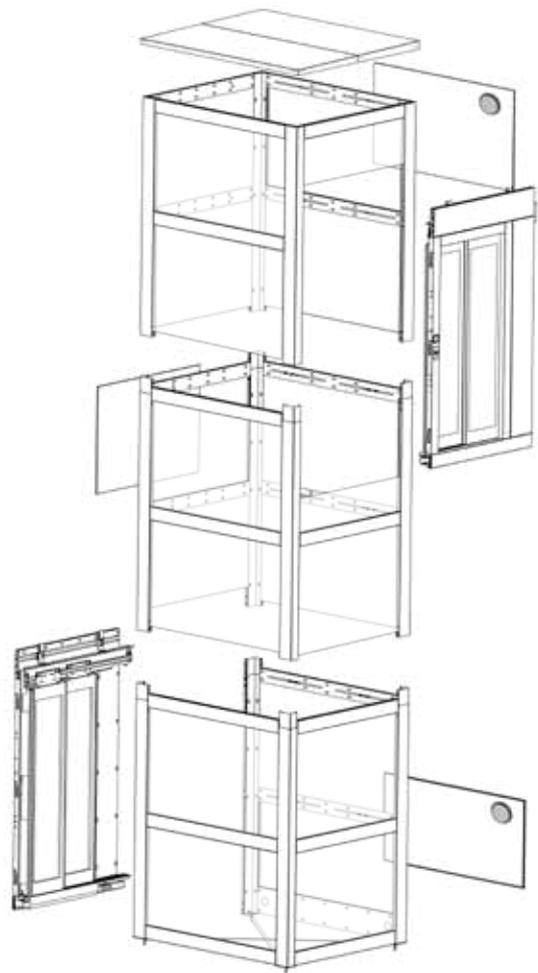
(*) According to Eurocode, Seismic verification shall be checked with specific calculations and definition of fixing points for the specific unit.

Shaft ceiling type

- Header diagonal
- Flat roof 1 or 2 pieces, depending on dimensions
- Inclined roof 1 or 2 pieces, depending on dimensions

Ramp

If the lift is installed without a pit, a ramp is mandatory according to EN81.41. Please check compliance to local regulations. Usually a boardwalk with low incline is executed at the building site. Optionally we can provide a ramp 120 mm high and 1000 mm long, made of aluminium and preventing slipping.



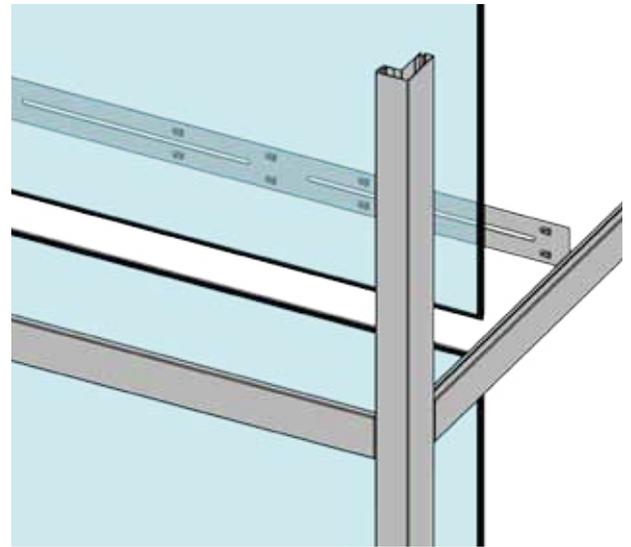
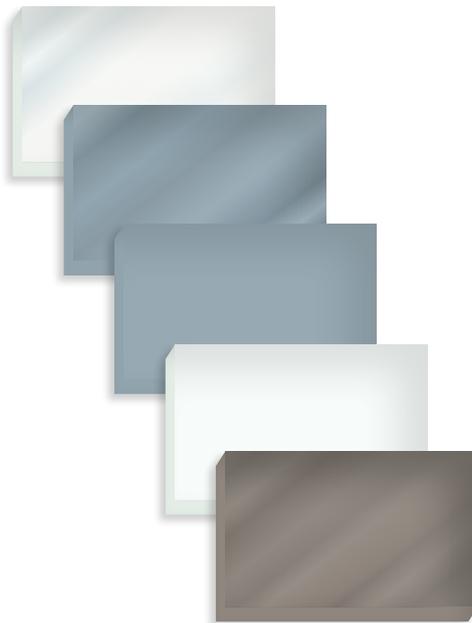
Shaft panels

Galvanized steel panels RAL painted at customer choice.
Glass panels with laminated safety glass 8/9 mm (4+0.76+4),
or a mix of the two on different sides of the shaft.

Sealing is granted by the perimetral gasket.
Alternatively a conventional solution for sealing by silicon is available.

Different types of glass are available:

- ① Transparent
- ② Smokey Grey
- ③ Smokey Satin
- ④ Opaline
- ⑤ Half Reflecting



Easy Snap System

The snap-lock fastening system permits a quick installation of the horizontal and vertical cladding frames without any additional fastening element.



Essential Panels

If your preference is for a conventional valid basic solution or higher thickness safety glasses are needed, different shaft panels are available with the following Essential features:

- ✔ Glass panels with laminated safety glass 10/11 mm (5+0.76+5).
- ✔ Silicon instead of gasket for the shaft panels

In case of outdoor application, panels with gasket are recommended.

Feasibility Information

Narrow and Wide

The H200 is provided with different layouts according to the cabin dimensions. The distance between guides (DBG) can vary depending on the platform/cabin width.

FPR - Full Panel Wall with Ceiling
NDC - Cabin without Doors
FDC - Cabin with Folding Doors
SDC - Cabin with Sliding Doors

The feasibility diagram explains the limits for platform dimensions (CW xCD) based on technical feasibility.

As a standard rule, H200 will be designed and delivered considering the minimum nominal load according to the EN code which state 250 kg/m² unless differently specified for the destination country.

In case you would like to have an higher rated load, it's highly recommended to specify it at order stage because the calculation will change accordingly.

Some limitations exist for higher travel and heavier cabins. Please refer to "Higher Travel" section in next pages.

Typical dimensions

In these catalogue we have preselected some typical plan sizes which represent the most frequently ordered ones, worldwide.

These are our "**Predefined plan sizes**", completely described in this catalogue. These are available as a standard solution, including the preselected door sizes and types.

It is always possible to ask for different cabin dimensions or door types and door displacements, provided these are within our feasibility and offer portfolio. Our engineers will design the lift according to your requirements, with extra delivery time and extra price.

We can distinguish among:

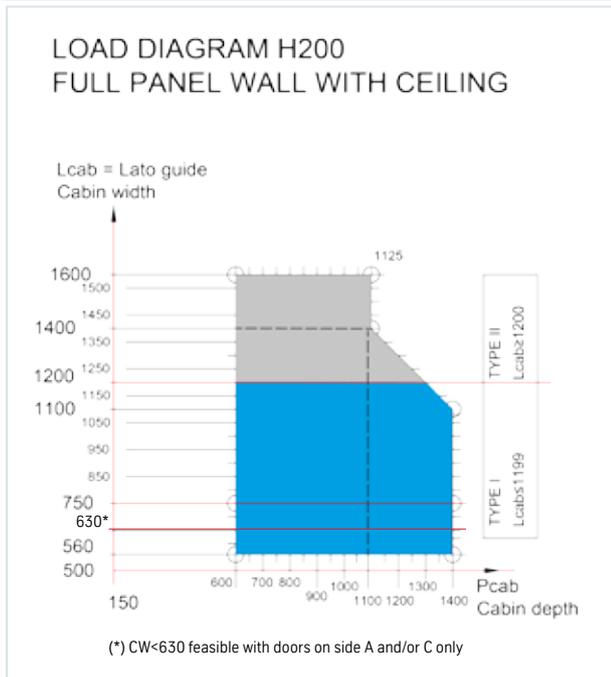
- "**Modular plan sizes**" which are designed using the standard modular elements of our metal shaft structure
- "**At measure plan sizes**" - which are instead completely customised.

Please refer to the annexes and contact us for further information.

Full Panel Wall with Ceiling

This configuration allow to have the narrowest and widest dimensions in our portfolio.
 From a minimum width of 560 mm up to the biggest platform of 1600x1100 mm

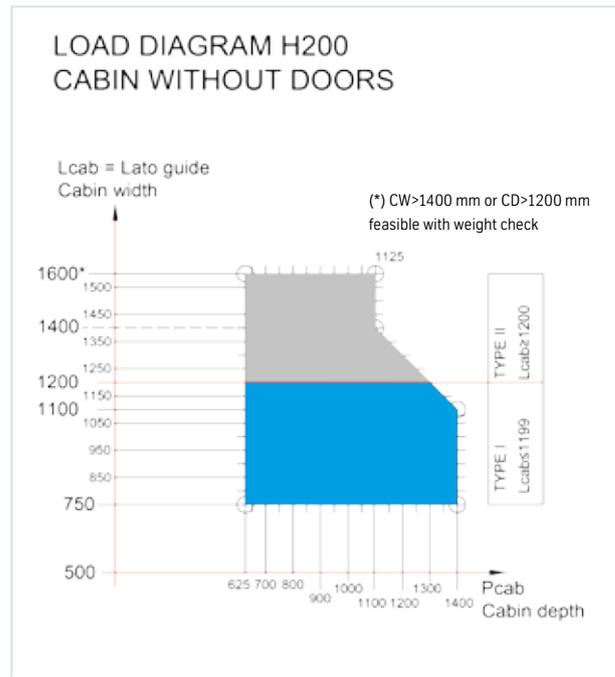
Cabin to Masonry Shaft	Cabin to Metal Shaft (external dimensions)
SW = CW + 120	EW = CW + 200
SD = CD + 345	ED = CD + 425



Cabin without Doors

These two configurations allow to have the widest plan sizes in our cabin portfolio.
 From a minimum width of 750 mm up to the biggest platform of 1600x1100 mm

Cabin to Masonry Shaft	Cabin to Metal Shaft (external dimensions)
SW = CW + 120	EW = CW + 200
SD = CD + 345	ED = CD + 425



Some limitations exist for higher travel and heavier cabins. Please refer to Feasibility section in the next pages

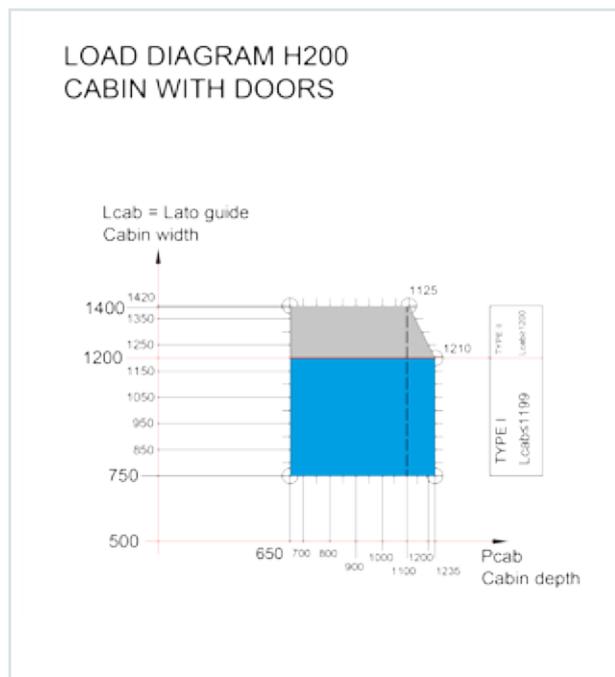
Solutions with Cabin Doors

- FDC - Cabin with Folding Doors
- SDC - Cabin with Sliding Doors

These solutions allow for a fully automatic operation.
 The diagram is optimized to offer the most typical and functional configurations.

Some limitations exist for higher travel and heavier cabins.
 Please refer to feasibility tables in next pages.

Formulas to pass from Cabin Dimensions to Shaft Dimensions depend on cabin layout and access sides. These technical information are available un the annexes to this product catalogue.



Panoramic Sides for Cabins

This table apply for tavel lower than 12600 mm only.

For panoramic sides we intend panoramic walls and/or panoramic doors. A mirror can be compared to a panoramic side.

There are no limitations in combining finishes and optional items for cabins with floor area smaller than 1,44 m² (load 360 kg)

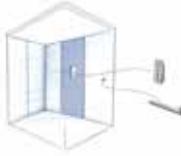
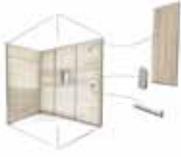
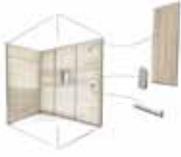
For cabins bigger than 1,44 m² some limitations exist when combining panoramic sides with other heavy elements like rocksolid floor or external cladding panels. In these cases, a feasibility check might be needed for the configuration of additional options from our catalogue

Please see below table and contact us for further informations.

- "full availability" means there are no limitations. Any available option can be configured.
- "Weight check" means that cabins are feasible with Carpet or PVC Floor only; for the smallest cabins in the range also Rocksolid or external coating panels.
- "Carpet or PVC floor only" means you cannot have a Rocksolid floor or external coating panels.
- "Feasibility check" means that in this range only the smallest cabins with no options might be eventually feasible.

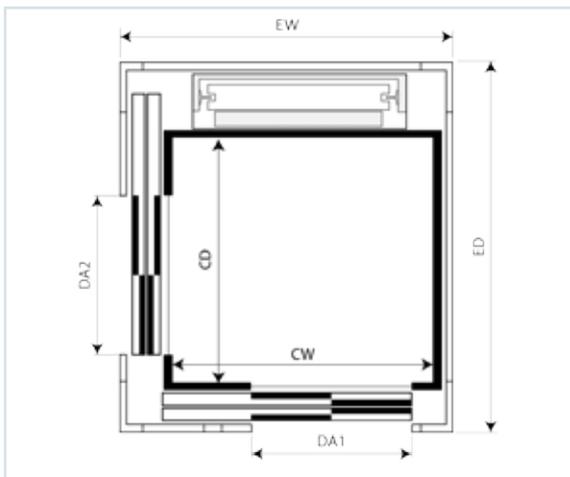
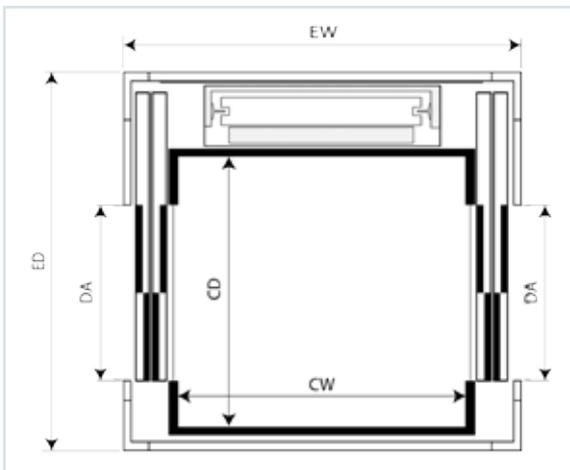
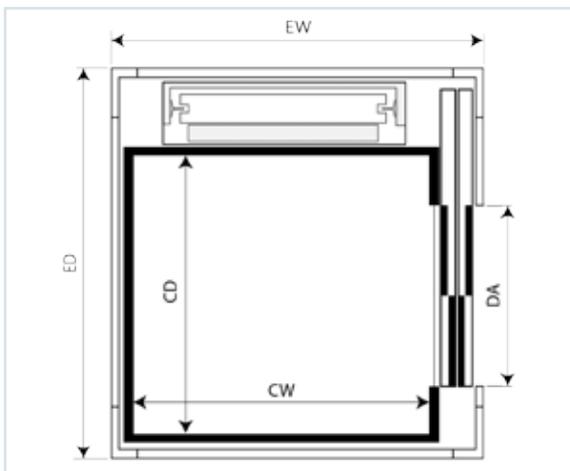
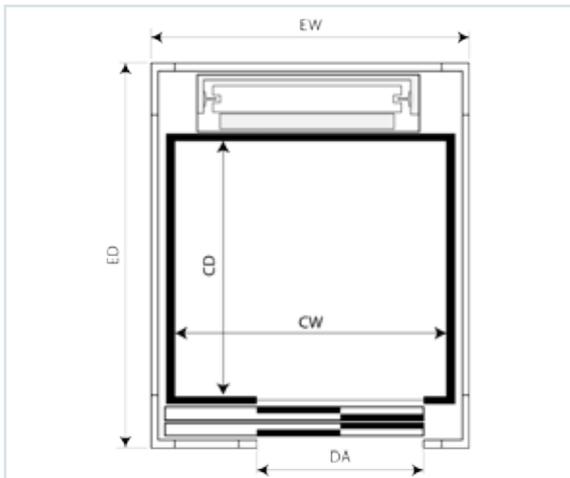
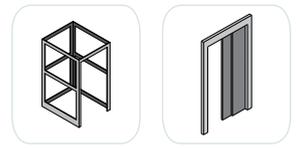
Outside Europe, local regulations can state different minimum rated load with a resulting wider feasibility.

Feasibility Tables according to EN code - rated load 250 kg/m² - Travel lower than 12600 mm

	Floor Area	Number of Panoramic Sides		
		1	2	3
 Standard Cabin 1 access	-	1	2	3
	up to 1,3 m ²	full availability	full availability	full availability
	1,3 - 1,44 m ²	full availability	full availability	full availability
	> 1,44 m ²	full availability	full availability	full availability
 Standard Cabin 2 access	-	1	2	3
	up to 1,3 m ²	full availability	full availability	full availability
	1,3 - 1,44 m ²	full availability	full availability	full availability
	> 1,44 m ²	full availability	full availability	Weight check
 Elegance Cabin Steel Walls 1 access	-	1	2	3
	up to 1,3 m ²	full availability	full availability	full availability
	1,3 - 1,44 m ²	full availability	full availability	full availability
	> 1,44 m ²	full availability	Weight check	Carpet or PVC floor only
 Elegance Cabin Steel Walls 2 access	-	1	2	3
	up to 1,3 m ²	full availability	full availability	full availability
	1,3 - 1,44 m ²	full availability	full availability	full availability
	> 1,44 m ²	Weight check	Carpet or PVC floor only	Feasibility Check
 Elegance Cabin HPL Walls 1 access	-	1	2	3
	up to 1,3 m ²	full availability	full availability	full availability
	1,3 - 1,44 m ²	full availability	full availability	full availability
	> 1,44 m ²	Weight check	Weight check	Carpet or PVC floor only
 Elegance Cabin HPL Walls 2 access	-	1	2	3
	up to 1,3 m ²	full availability	full availability	full availability
	1,3 - 1,44 m ²	full availability	full availability	full availability
	> 1,44 m ²	Carpet or PVC floor only	Feasibility Check	Feasibility Check

Predefined plan sizes - Sliding Doors

In case of no different notice doors are lateral opening two panels (2P).
(4P) stands for four panel central opening



Frontal access

Configurations in accordance to the EN 81-41 in grey

	P1	P2	P3	P4	P5	P6	P7	P8
Nominal	900x1200	1000x800	1000x1000	1200x1000	-	1400x900	1400x1000	1400x1100
CW	900	1080	1000	1200	-	1400	1400	1400
CD	1235	835	1035	1035	-	935	1035	1135
EW	1200	1300	1200	1400	-	1600	1600	1600
ED	1850	1450	1650	1650	-	1550	1650	1750
DA	600	600	600	700	-	850	850	850
Rated Load	280	250	260	315		330	365	400

Lateral access

Configurations in accordance to the EN 81-41 in grey

	P1	P2	P3	P4	P5	P6	P7	P8
Nominal	900x1200	1000x800	1000x1000	1200x1000	-	1400x900	1400x1000	1400x1100
CW	910	1010	1010	1210	-	1410	1410	1410
CD	1205	855	1055	1055	-	905	1055	1135
EW	1300	1400	1400	1600	-	1800	1800	1800
ED	1650	1300	1500	1500	-	1350	1500	1650
DA	900	650	800	800	-	700	800	900
Rated Load	275	250	270	320		320	375	400

Opposite accesses

Configurations in accordance to the EN 81-41 in grey

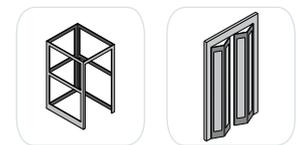
	P1	P2	P3	P4	P5	P6	P7	P8
Nominal	900x1200	1000x800	1000x1000	1200x1000	-	1400x900	1400x1000	1400x1100
CW	890	1040	1040	1240	-	1400	1400	1400
CD	1235	835	1035	1035	-	905	1035	1135
EW	1450	1600	1600	1800	-	1960	1960	1960
ED	1700	1300	1500	1500	-	1350	1500	1650
DA	900	650	800	800	-	700	800	900
Rated Load	275	250	270	325		320	365	400

Adjacent accesses (2Panels)

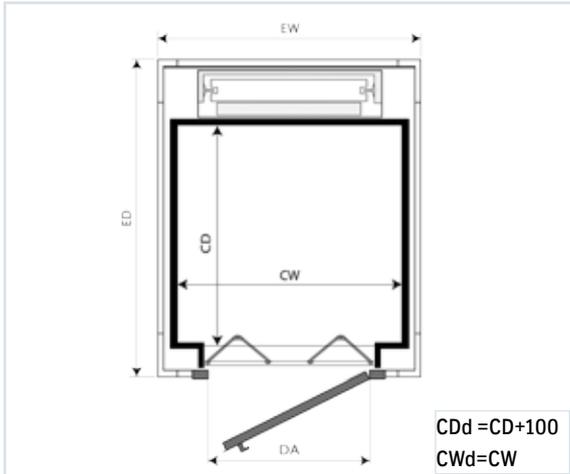
Configurations in accordance to the EN 81-41 in grey

	P1	P2	P3	P4	P5	P6	P7	P8
Nominal	900x1200	1000x800	1000x1000	1200x1000	1200x1200	1400x900	1400x1000	1400x1100
CW	-	1010	1010	1210	1210	1410	1410	1410
CD	-	835	1035	1035	1235	935	1035	1135
EW	-	1400	1400	1600	1600	1800	1800	1800
ED	-	1450	1650	1650	1850	1550	1650	1750
DA1	-	700	700	850	850	900	900	900
DA2	-	600	750	750	900	700	750	800
Rated Load	-	250	265	315	375	330	365	400

Predefined plan sizes - Folding Doors



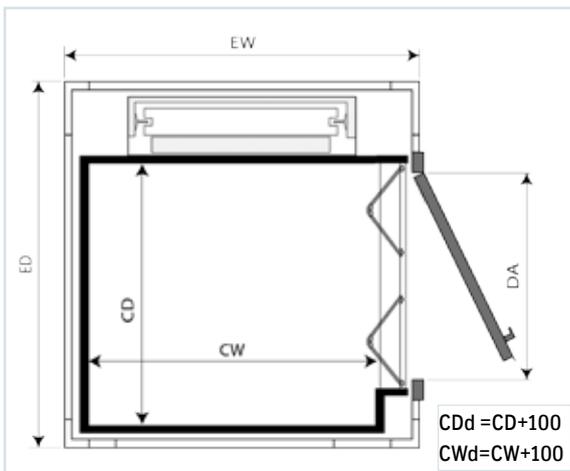
In case of measurement Door to Door (CDd and CWd - pag.8), please consider additional 100 mm for each access



Frontal access

Configurations in accordance to the EN 81-41 in grey

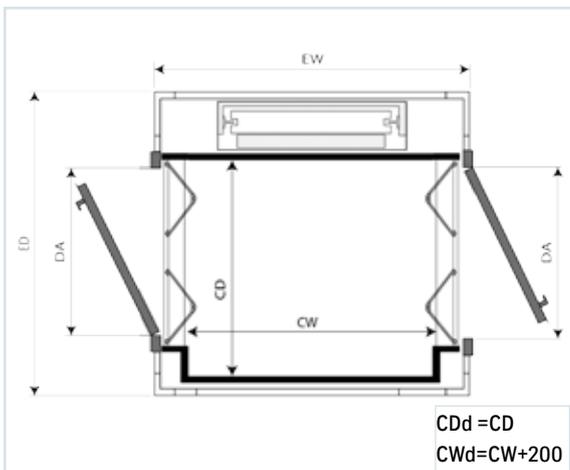
	P1	P2	P3	P4	P5	P6	P7	P8
Nominal	900x1200	1000x800	1000x1000	1200x1000	-	1400x900	1400x1000	1400x1100
CW	920	1000	1000	1200	-	1400	1400	1400
CD	1225	825	1025	1025	-	925	1025	1125
EW	1200	1200	1200	1400	-	1600	1600	1600
ED	1750	1350	1550	1550	-	1450	1550	1650
DA	800	800	800	900	-	900	900	900
Rated Load	285	250	260	310	-	325	360	400



Lateral access

Configurations in accordance to the EN 81-41 in grey

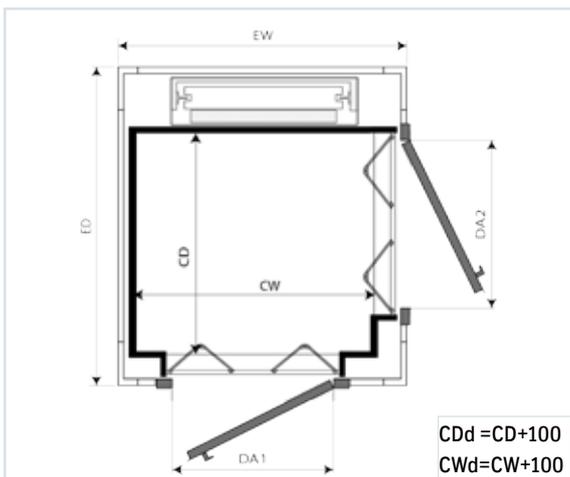
	P1	P2	P3	P4	P5	P6	P7	P8
Nominal	900x1200	1000x800	1000x1000	1200x1000	-	1400x900	1400x1000	1400x1100
CW	900	1000	1000	1200	-	1400	1400	1400
CD	1205	805	1005	1005	-	905	1005	1105
EW	1200	1300	1300	1500	-	1700	1700	1700
ED	1650	1250	1450	1450	-	1350	1450	1550
DA	900	650	850	850	-	750	850	900
Rated Load	275	250	255	310	-	320	355	400



Opposite accesses

Configurations in accordance to the EN 81-41 in grey

	P1	P2	P3	P4	P5	P6	P7	P8
Nominal	900x1200	1000x800	1000x1000	1200x1000	-	1400x900	1400x1000	1400x1100
CW	920	1020	1020	1220	-	1420	1420	1420
CD	1205	805	1005	1005	-	905	1005	1105
EW	1300	1400	1400	1600	-	1800	1800	1800
ED	1650	1250	1450	1450	-	1350	1450	1550
DA	900	650	850	850	-	750	850	900
Rated Load	280	250	260	310	-	325	360	400

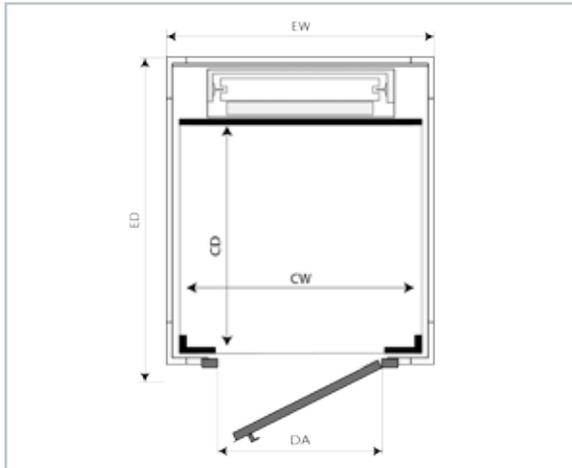
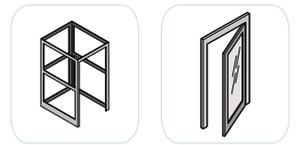


Adjacent accesses

Configurations in accordance to the EN 81-41 in grey

	P1	P2	P3	P4	P5	P6	P7	P8
Nominal	900x1200	1000x800	1000x1000	1200x1000	1200x1200	1400x900	1400x1000	1400x1100
CW	900	1000	1000	1200	1200	1400	1400	1400
CD	1225	825	1025	1025	1225	925	1025	1125
EW	1200	1300	1300	1500	1500	1700	1700	1700
ED	1750	1350	1550	1550	1750	1450	1550	1650
DA1	700	800	800	900	900	900	900	900
DA2	900	650	800	850	900	750	850	900
Rated Load	280	250	260	305	370	325	360	400

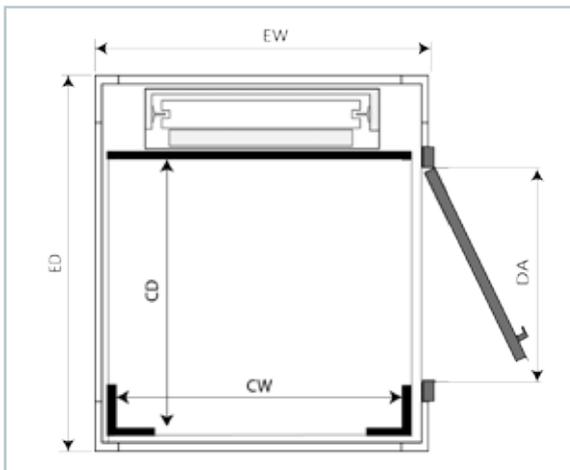
Predefined plan sizes - Full Panel with Ceiling and Cabin w/o Doors



Frontal access

Configurations in accordance to the EN 81-41 in grey

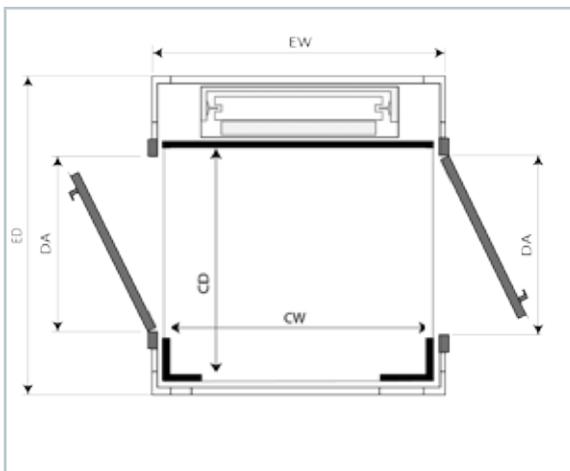
	P1	P2	P3	P4	P5	P6	P7	P8
Nominal	900x1200	1000x800	1000x1000	1200x1000	-	1400x900	1400x1000	1400x1100
CW	900	1000	1000	1200	-	1400	1400	1400
CD	1225	825	1025	1025	-	925	1025	1125
EW	1100	1200	1200	1400	-	1600	1600	1600
ED	1650	1250	1450	1450	-	1350	1450	1550
DA	700	700	800	900	-	900	900	900
Rated Load	280	250	260	310	-	325	360	400



Lateral access

Configurations in accordance to the EN 81-41 in grey

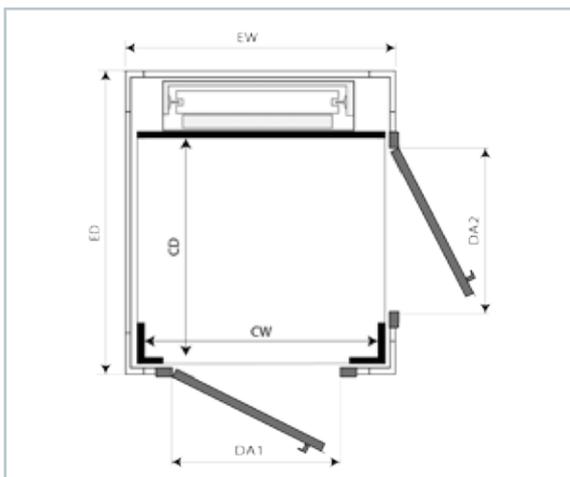
	P1	P2	P3	P4	P5	P6	P7	P8
Nominal	900x1200	1000x800	1000x1000	1200x1000	-	1400x900	1400x1000	1400x1100
CW	900	1000	1000	1200	-	1400	1400	1400
CD	1225	825	1025	1025	-	925	1025	1125
EW	1100	1200	1200	1400	-	1600	1600	1600
ED	1650	1250	1450	1450	-	1350	1450	1550
DA	900	700	850	900	-	800	900	900
Rated Load	280	250	260	310	-	325	360	400



Opposite accesses

Configurations in accordance to the EN 81-41 in grey

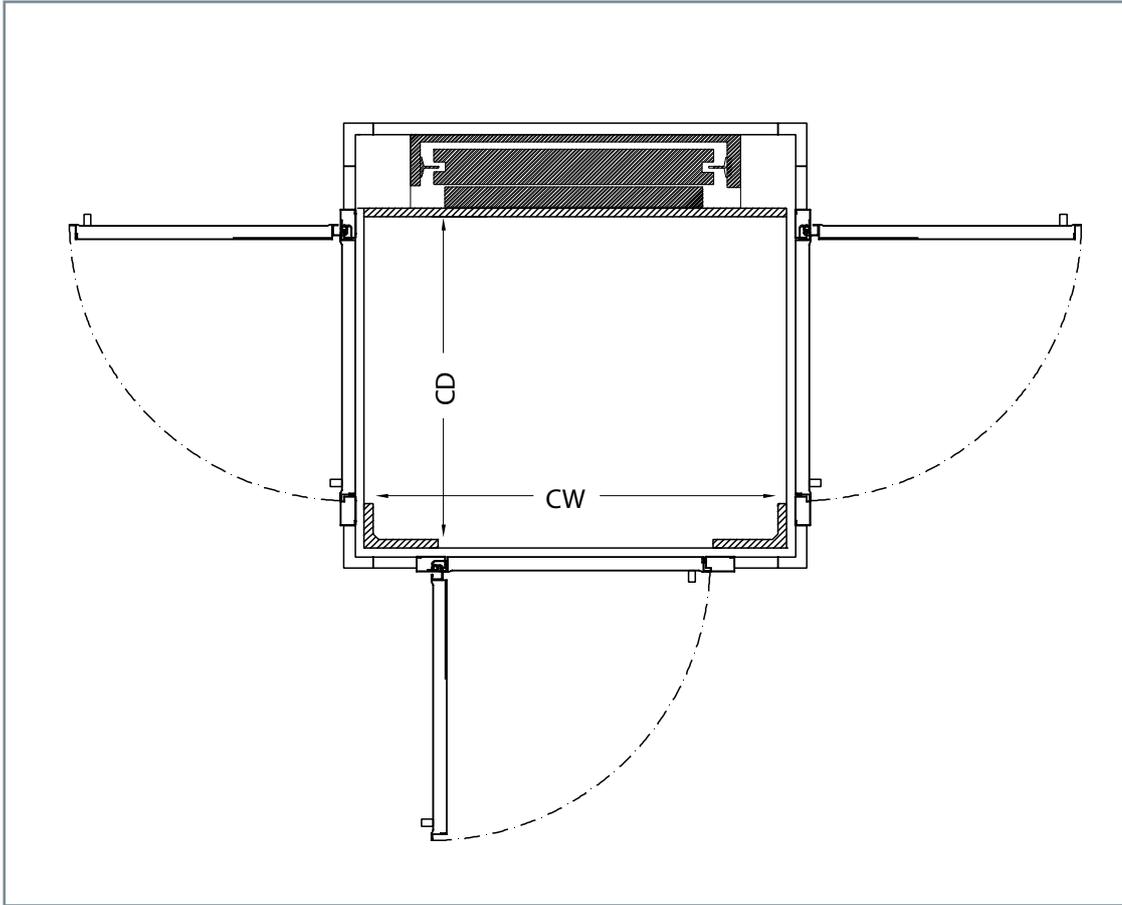
	P1	P2	P3	P4	P5	P6	P7	P8
Nominal	900x1200	1000x800	1000x1000	1200x1000	-	1400x900	1400x1000	1400x1100
CW	900	1000	1000	1200	-	1400	1400	1400
CD	1225	825	1025	1025	-	925	1025	1125
EW	1100	1200	1200	1400	-	1600	1600	1600
ED	1650	1250	1450	1450	-	1350	1450	1550
DA	900	700	850	900	-	800	900	900
Rated Load	280	250	260	310	-	325	360	400



Adjacent accesses

Configurations in accordance to the EN 81-41 in grey

	P1	P2	P3	P4	P5	P6	P7	P8
Nominal	900x1200	1000x800	1000x1000	1200x1000	1200x1200	1400x900	1400x1000	1400x1100
CW	900	1000	1000	1200	1200	1400	1400	1400
CD	1225	825	1025	1025	1225	925	1025	1125
EW	1100	1200	1200	1400	1400	1600	1600	1600
ED	1650	1250	1450	1450	1650	1350	1450	1550
DA1	700	700	800	900	900	900	900	900
DA2	900	700	850	900	900	800	900	900
Rated Load	280	250	260	310	370	325	360	400

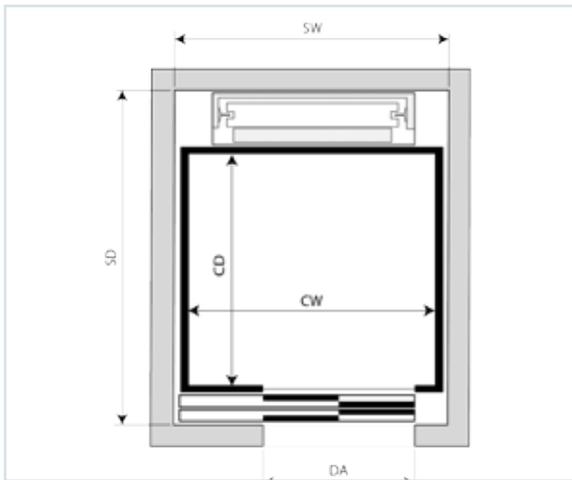


In case of Full Panel wit ceiling, lifts with accesses on three different sides are feasible, provided that maximum two accesses at the same floor are there.

Plan dimensions are the same as in the previous table.

Predefined plan sizes - Sliding Doors

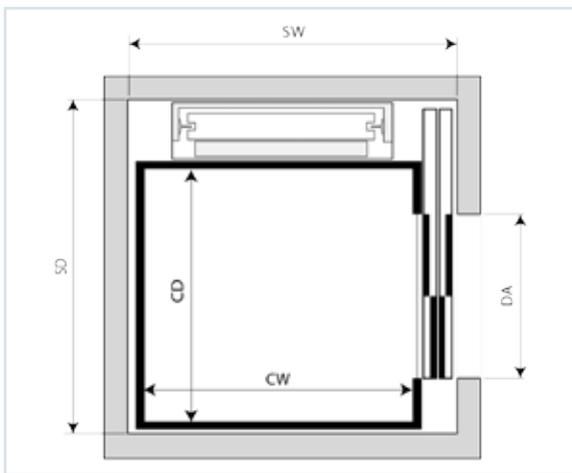
In case of no different notice doors are lateral opening two panels (2P).
(4P) stands for four panel central opening



Frontal access

Configurations in accordance to the EN 81-41 in grey

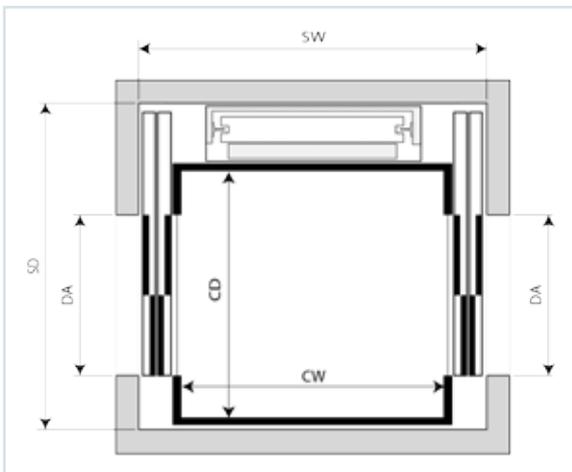
	P1	P2	P3	P4	P5	P6	P7	P8
Nominal	900x1200	1000x800	1000x1000	1200x1000	-	1400x900	1400x1000	1400x1100
CW	900	1080	1000	1200	-	1400	1400	1400
CD	1235	835	1035	1035	-	935	1035	1135
SW	1120	1220	1140	1340	-	1540	1540	1540
SD	1770	1370	1570	1570	-	1470	1570	1670
DA	600	600	600	700	-	850	850	850
Rated Load	280	250	260	315		330	365	400



Lateral access

Configurations in accordance to the EN 81-41 in grey

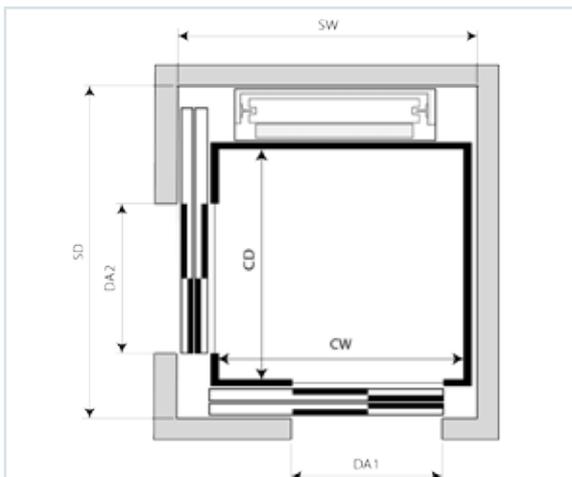
	P1	P2	P3	P4	P5	P6	P7	P8
Nominal	900x1200	1000x800	1000x1000	1200x1000	-	1400x900	1400x1000	1400x1100
CW	910	1010	1010	1210	-	1410	1410	1410
CD	1205	855	1055	1055	-	905	1055	1135
SW	1220	1320	1320	1520	-	1720	1720	1720
SD	1570	1220	1420	1420	-	1270	1420	1550
DA	900	650	800	800	-	700	800	900
Rated Load	275	250	270	320		320	375	400



Opposite accesses

Configurations in accordance to the EN 81-41 in grey

	P1	P2	P3	P4	P5	P6	P7	P8
Nominal	900x1200	1000x800	1000x1000	1200x1000	-	1400x900	1400x1000	1400x1100
CW	890	1040	1040	1240	-	1400	1400	1400
CD	1235	835	1035	1035	-	905	1035	1135
SW	1370	1520	1520	1720	-	1880	1880	1880
SD	1620	1220	1420	1420	-	1270	1420	1550
DA	900	650	800	800	-	700	800	900
Rated Load	275	250	270	325		320	365	400



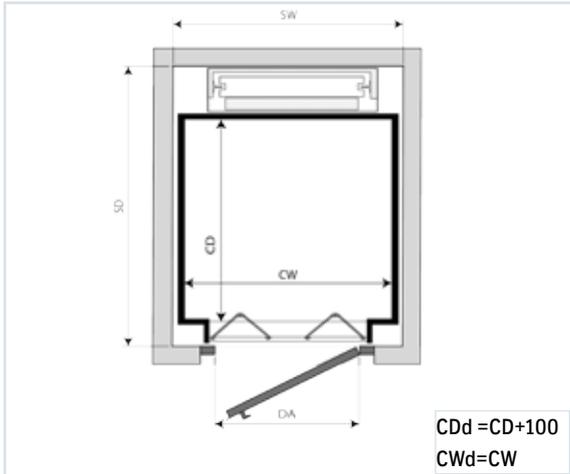
Adjacent accesses (2Panels)

Configurations in accordance to the EN 81-41 in grey

	P1	P2	P3	P4	P5	P6	P7	P8
Nominal	900x1200	1000x800	1000x1000	1200x1000	1200x1200	1400x900	1400x1000	1400x1100
CW	-	1010	1010	1210	1210	1410	1410	1410
CD	-	835	1035	1035	1235	935	1035	1135
SW	-	1320	1320	1520	1520	1720	1720	1720
SD	-	1370	1570	1570	1770	1470	1570	1670
DA1	-	700	700	850	850	900	900	900
DA2	-	600	750	750	900	700	750	800
Rated Load	-	250	265	315	375	330	365	400

Predefined plan sizes - Folding Doors

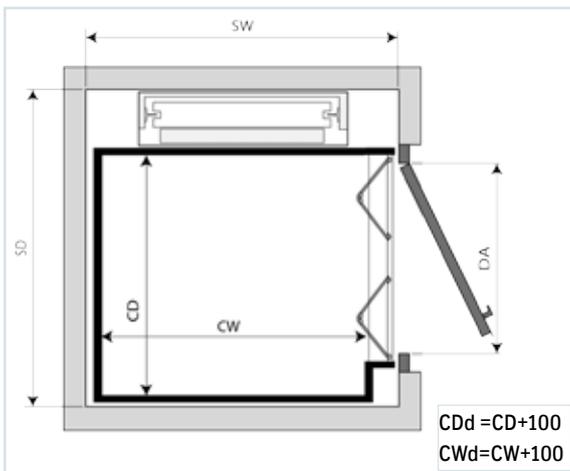
In case measurement Door to Door (CDd and CWd) can be accepted, please consider additional 100 mm for each access



Frontal access

Configurations in accordance to the EN 81-41 in grey

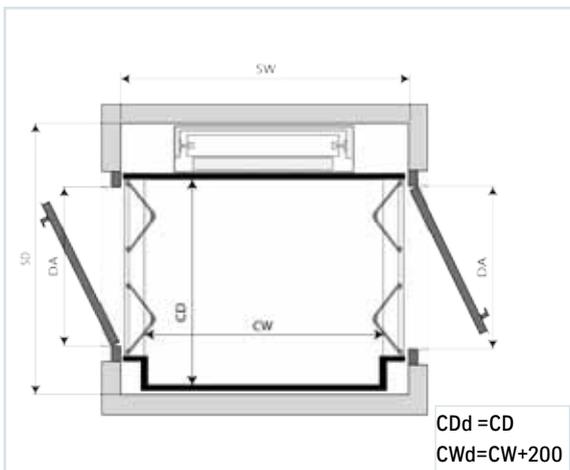
	P1	P2	P3	P4	P5	P6	P7	P8
Nominal	900x1200	1000x800	1000x1000	1200x1000	-	1400x900	1400x1000	1400x1100
CW	920	1000	1000	1200	-	1400	1400	1400
CD	1225	825	1025	1025	-	925	1025	1125
SW	1060	1140	1140	1340	-	1540	1540	1540
SD	1670	1270	1470	1470	-	1370	1470	1570
DA	800	800	800	900	-	900	900	900
Rated Load	285	250	260	310	-	325	360	400



Lateral access

Configurations in accordance to the EN 81-41 in grey

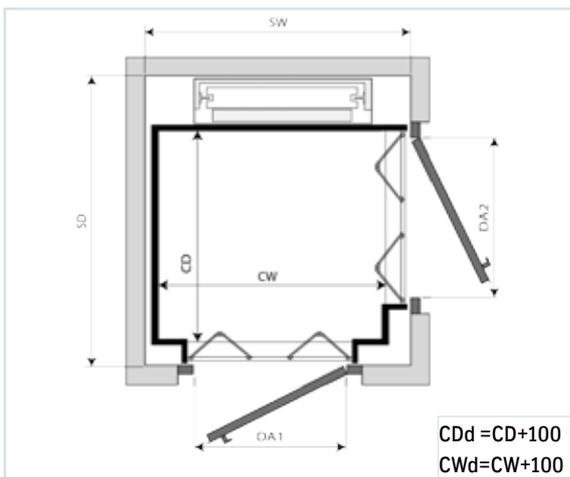
	P1	P2	P3	P4	P5	P6	P7	P8
Nominal	900x1200	1000x800	1000x1000	1200x1000	-	1400x900	1400x1000	1400x1100
CW	900	1000	1000	1200	-	1400	1400	1400
CD	1205	805	1005	1005	-	905	1005	1105
SW	1120	1220	1220	1420	-	1620	1620	1620
SD	1570	1170	1370	1370	-	1270	1370	1470
DA	900	650	850	850	-	750	850	900
Rated Load	275	250	255	310	-	320	355	400



Opposite accesses

Configurations in accordance to the EN 81-41 in grey

	P1	P2	P3	P4	P5	P6	P7	P8
Nominal	900x1200	1000x800	1000x1000	1200x1000	-	1400x900	1400x1000	1400x1100
CW	920	1020	1020	1220	-	1420	1420	1420
CD	1205	805	1005	1005	-	905	1005	1105
SW	1220	1320	1320	1520	-	1720	1720	1720
SD	1570	1170	1370	1370	-	1270	1370	1470
DA	900	650	850	850	-	750	850	900
Rated Load	280	250	260	310	-	325	360	400

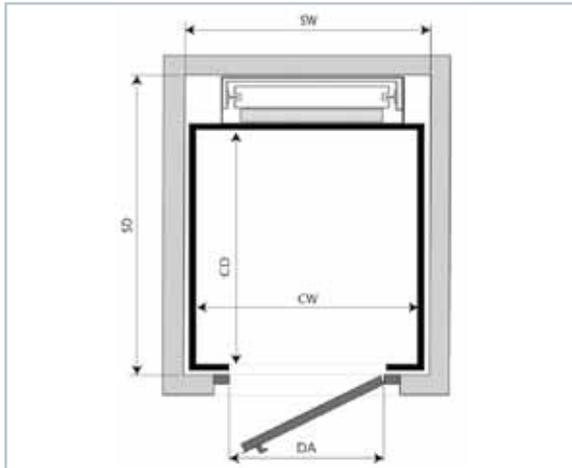
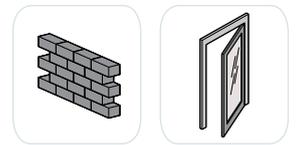


Adjacent accesses

Configurations in accordance to the EN 81-41 in grey

	P1	P2	P3	P4	P5	P6	P7	P8
Nominal	900x1200	1000x800	1000x1000	1200x1000	1200x1200	1400x900	1400x1000	1400x1100
CW	900	1000	1000	1200	1200	1400	1400	1400
CD	1225	825	1025	1025	1225	925	1025	1125
SW	1120	1220	1220	1420	1420	1620	1620	1620
SD	1670	1270	1470	1470	1670	1370	1470	1570
DA1	700	800	800	900	900	900	900	900
DA2	900	650	800	850	900	750	850	900
Rated Load	280	250	260	305	370	325	360	400

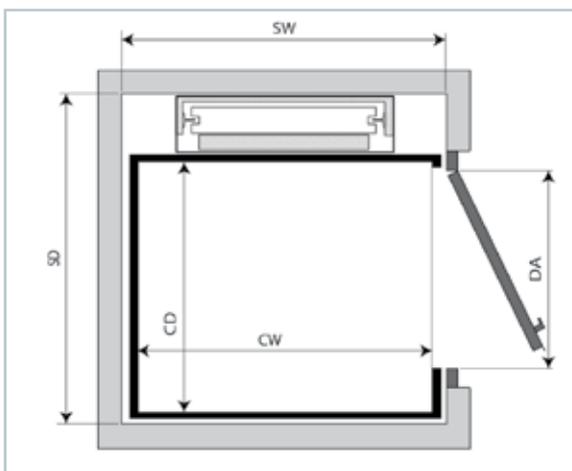
Predefined plan sizes - Full Panel with Ceiling and Cabin w/o Doors



Frontal access

Configurations in accordance to the EN 81-41 in grey

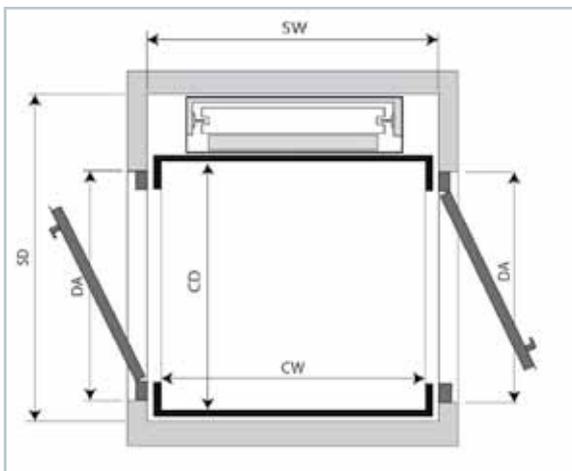
	P1	P2	P3	P4	P5	P6	P7	P8
Nominal	900x1200	1000x800	1000x1000	1200x1000	1200x1200	1400x900	1400x1000	1400x1100
CW	900	1000	1000	1200	1200	1400	1400	1400
CD	1225	825	1025	1025	1225	925	1025	1125
SW	1020	1120	1120	1320	1320	1520	1520	1520
SD	1570	1170	1370	1370	1570	1270	1370	1470
DA	700	700	800	900	900	900	900	900
Rated Load	280	250	260	310	370	325	360	400



Lateral access

Configurations in accordance to the EN 81-41 in grey

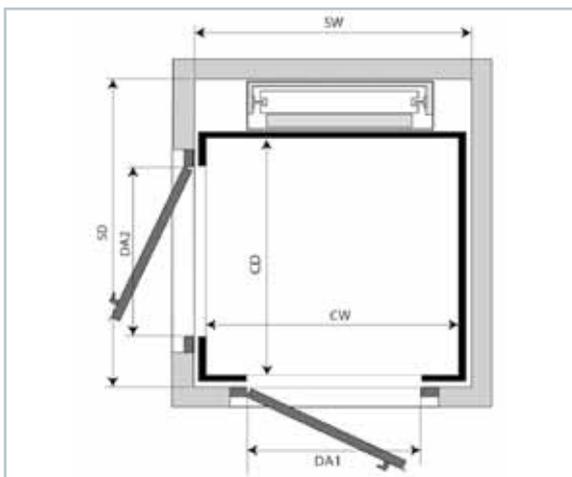
	P1	P2	P3	P4	P5	P6	P7	P8
Nominal	900x1200	1000x800	1000x1000	1200x1000	1200x1200	1400x900	1400x1000	1400x1100
CW	900	1000	1000	1200	1200	1400	1400	1400
CD	1225	825	1025	1025	1225	925	1025	1125
SW	1020	1120	1120	1320	1320	1520	1520	1520
SD	1570	1170	1370	1370	1570	1270	1370	1470
DA	900	700	850	900	900	800	900	900
Rated Load	280	250	260	310	370	325	360	400



Opposite accesses

Configurations in accordance to the EN 81-41 in grey

	P1	P2	P3	P4	P5	P6	P7	P8
Nominal	900x1200	1000x800	1000x1000	1200x1000	1200x1200	1400x900	1400x1000	1400x1100
CW	900	1000	1000	1200	1200	1400	1400	1400
CD	1225	825	1025	1025	1225	925	1025	1125
SW	1020	1120	1120	1320	1320	1520	1520	1520
SD	1570	1170	1370	1370	1570	1270	1370	1470
DA	900	700	850	900	900	800	900	900
Rated Load	280	250	260	310	370	325	360	400



Adjacent accesses

Configurations in accordance to the EN 81-41 in grey

	P1	P2	P3	P4	P5	P6	P7	P8
Nominal	900x1200	1000x800	1000x1000	1200x1000	1200x1200	1400x900	1400x1000	1400x1100
CW	900	1000	1000	1200	1200	1400	1400	1400
CD	1225	825	1025	1025	1225	925	1025	1125
SW	1020	1120	1120	1320	1320	1520	1520	1520
SD	1570	1170	1370	1370	1570	1270	1370	1470
DA1	700	700	800	900	900	900	900	900
DA2	900	700	850	900	900	800	900	900
Rated Load	280	250	260	310	370	325	360	400

Free height per cabin type

The Free Height available in the building between the last floor and the lower obstacle at the top (e.g. building roof) should be higher than the encumbrance of the lift (headroom). Required headroom depends on the cabin and doors type.

Standard situation is highlighted in grey. Different solutions could be feasible on specific requests with special execution

- reduced height to overcome issues related to lower free height
- increased height where requested.

Please refer to the table below and contact our Drawing Department.

Cabin type	Access side safety device	Cabin net height (mm)	Cabin access net height (mm)	Door access net height (mm)	min Free Height needed in case of masonry shaft (mm)	Min Free height needed in case of metal shaft (mm)
Full Panel Wall with Roof	Photocells	1920	1900	1900	2100	2350
		2020	2000	2000	2200	2450
		2100	2080	2000	2300	2450
		2200	2180	2100	2400	2550
Standard Cabin without doors	Photocells	1920	1900	1900	2100	2350
		2020	2000	2000	2200	2450
		2100	2080	2000	2300	2450
		2200	2180	2100	2400	2550
Standard cabin with folding doors	-	2020	1940	1900	2240	2350
		2100	2020	2000	2320	2450
		2200	2120	2100	2420	2550
Standard cabin with sliding doors	Photocells	2100	2000	2000	2450	2590
		2200	2100	2100	2550	2690
	Light Curtains	2100	2000	2000	2500	2590
		2200	2100	2100	2600	2690
Elegance Cabin without doors	Photocells	2030 (*)	2020	2000	2300	2450
		2130 (*)	2120	2100	2400	2550
	Light curtains	2030 (*)	2020	2000	2300	2450
		2130 (*)	2120	2100	2420	2550
Elegance Cabin with folding doors	-	2030 (*)	2020	2000	2320	2450
		2130 (*)	2120	2100	2420	2550
Elegance Cabin with sliding doors	Photocells	2030 (*)	2000	2000	2450	2590
		2130 (*)	2100	2100	2550	2690
	Light Curtains	2030 (*)	2000	2000	2500	2590
		2130 (*)	2100	2100	2600	2690

(*) Cabin net height reduced by 70 mm counterceiling

Configuration for delivery

- The lift is delivered with the main parts already assembled to optimize weight and installation time.
- Electrical cables are pre-wired and prepared with connectors.
- Small parts are packaged into specific identifiable boxes.
- T-guides are already "cut to length" to reduce installation time at site.
- The lift is always delivered with an optimized package to reduce logistic costs and product breakage during transportation.

Electrical cabinet

The electrical panel and the hydraulic control unit shall be housed in a location, or in an appropriate container, which will protect them from the atmospheric elements.

Our platform lift can be equipped with a "Cabinet" specifically designed to contain the "Electrical Control Panel and Hydraulic Control Unit".

In the event that the client prefers not to purchase our Cabinet, He/She may proceed differently providing that prescriptions and specifications are fulfilled.

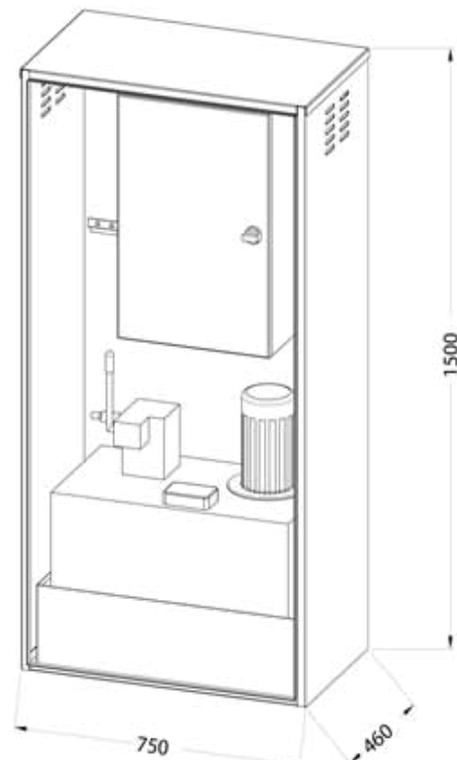
Please refer to our Pre-Installation manual for specific information.

The standard position of the electrical cabinet is at the bottom floor within a maximum distance of 5 meters from the Guide side of the lift. Optionally this distance can be increased up to 10 meters thanks to a specific set of cables.

Finishes: Standard RAL 7001; Optionally painted at choice.

The Cabinet is suitable for outdoor application, provided it is positioned in a protected area of the building or equipped with "suitable rain protection" (e.g. canopy) to avoid unwanted water infiltration inside the cabinet. It should not be exposed to direct rain and to aggressive and corrosive environment,

Dimensions: 750 x 460 x 1500 mm



Communication & drive



Two way communication

Two way communication is mandatory according to EN81-41. Choose from one of the following options.

Autodialer

Equipment for emergency calls. Integrated in the control operation panel. Dials automatically when the alarm button is kept pressed for 3 seconds. When unanswered after a predefined time, the call is automatically forwarded to the next pre-set number. The autodialer can be equipped with a GSM module.

Phone

The telephone works as a standard telephone but is intended for emergency calls only. The phone is mounted on the platform panel, usually next to the Control Panel.

Valuable standard features

Battery operated emergency lowering

Battery operated emergency lowering is a standard feature in every lift. When there is a power failure, you can still travel downwards and get out by yourself. It is possible to run the lift to the nearest lower level pressing a destination button in the Control Operation Panel.

The battery guard ensures that the batteries are not damaged and that there is enough power to run the lift in the case of a power cut.

It ensures that the lift is turned off when the battery charge reaches a low predefined level.

Soft start and stop.

It provides the lift with a smooth start and stop. Two speeds - hydraulic unit comes as a standard feature on all the lifts.

Safety is our DNA.

With its own SIL3 certified electronics, H200 sets itself apart from the crowd and beyond the mandatory in the Home lift market.

FAQ

1. Can I have the lift painted in any colour?

The H200 shaft structure and panels can be painted in any RAL colour .
The following choices are available:

- **Shaft structure and panels can be delivered:**
 - painted in **Typical RAL** colour
 - painted in **Any RAL** colour at choice
 - painted in **Metallic** colour (R06-R07-R09-R10)

The landing doors can be delivered:

- in the same colour as shaft
- in a matching skinplate finish (sliding doors only)
- in any other finish from our portfolio with full freedom of choice, even different finishes for different doors.

Painting for Shaft, Doors, Cabin Walls is powder coating with orange peel finish (grade coarse), visual gloss 80-90.

Any RAL colour means any RAL colour from the 213 colour in the RAL chart K7 classic. Pearl and Metal colours excluded.

Typical RAL colours from the table to the right are available with shorter lead times and a lower price.

Metallic colours are our selection of metallic paintings on a specifically prepared surface.

Samples kit of Typical RAL and Metallic colours are available on request.

All parts can show small colour differences, this is normal and unavoidable. While we take every precaution to minimize visible differences, this cannot be guaranteed.

2. To which standards do the lifts comply?

The H200 complies with the Machine Directive 2006/42/EC, by following the harmonized standard EN 81-41.

Lifts with speed up 0,15 m/s are type approved and CE marked.

CE Certificates are available on partner desktop.
Specific declarations according to local codes can be provided on request.

Nomenclature will change according to the different specifications. See side table with model codes.

Typical Colours

RAL	Skinplate
RAL 9003	A1; PPS10
RAL 9010	A4
RAL 1013	A13; PPS11
RAL 1015	G1
RAL 5024	B13
RAL 7035	N1; PPS1
RAL 7037	Metal Like

orange peel finish (grade coarse)



metallic colours



R06 (RAL9006)



R07 (RAL9007)



R09



R10

H200 Nomenclature

Model Code	Cabin Doors	Certification
HY04	NO	CE type approved
HY41	YES	

3. What are the reaction forces on the building and the forces on the fixings which support the frame to the wall

Details regarding the forces are specifically provided for each unit in the technical dossier. As a general information here are indicated typical loads according to typical conditions of external agents (wind, snow, temperature) and typical fixing solutions of the Home lifts to the building.

Reaction forces from the lift to the building floor:

- The lift applies to the pit on the area "P" a force function of the travel. This force can be considered uniformly distributed onto the base plate.
- The metal shaft applies to the base area "S" a force function of the travel. This force is applied to the four corners' plate of the shaft structure.
- Maximum force as a function of the lift's travel.

Load from the lift to area "P"

Travel (m)	H200 [0,15 m/s] Dynamic Load (kN)
2	12,1
4	12,7
6	13,3
8	13,8
10	14,4
12	15,0
14	15,6
15	15,9

Load from the lift to area "S"

Travel (m)	Total (kN)	each corner (kN)	specific on each corner (N/mm ²)
2	12	3	0,16
4	16	4	0,21
6	20	5	0,26
8	24	6	0,32
10	28	7	0,37
12	32	8	0,42
14	36	9	0,47
15	40	10	0,53

Reaction Force on the wall (rail side) - Concrete shaft:

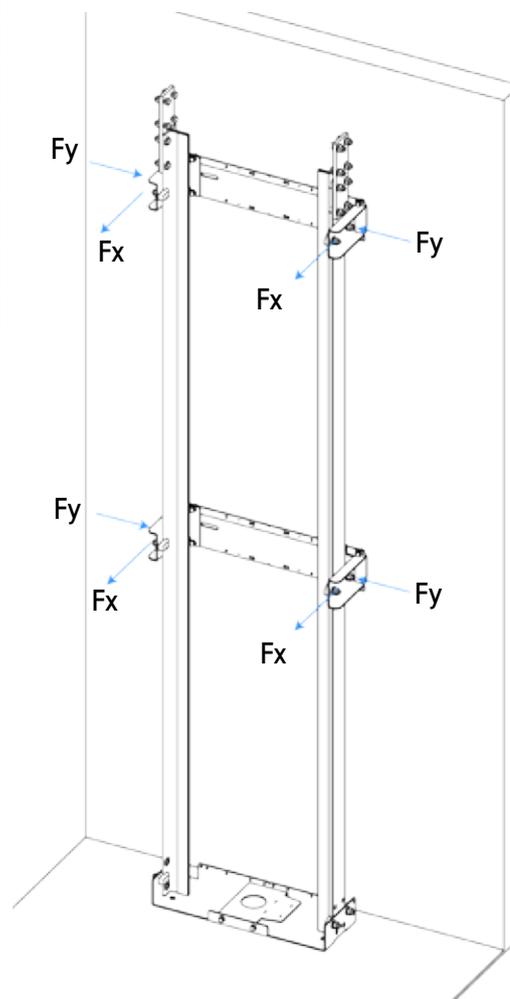
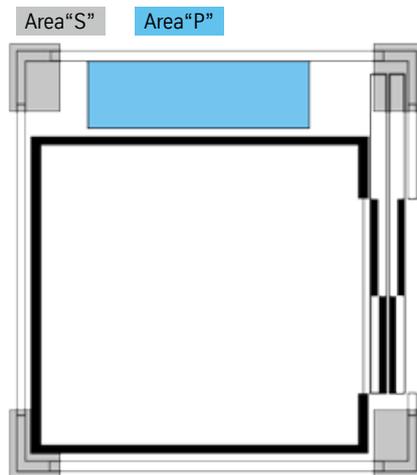
- The force is distributed to the wall through each crossbeam.
- Vertical distance between each crossbeam is on average 1200 mm
- Maximum force applied to each fixing point.

Speed (m/s)	F _x guide side [kN]	F _y guide side [kN]
<= 0,15	2,5	0,9

- Maximum extraction load is lower than 2,5 kN for each fixing point

Reaction Force on the wall - Metal shaft structure:

- The metal structure shall be fixed to the existing building typically every 2000 mm in height through expansion bolts.
- A wide range of fixing solutions is available to cover the most stringent applications.
- Loads in typical conditions never exceed 3 kN for each fixing point.
- Further information are included in our Fixings guide.



4. What does it mean that the Shaft Structure is suitable for seismic conditions?

Our Shaft Structure is designed to be used also in locations where a seismic event can occur. Specifically, the structure has been checked according to the requirements of the Eurocodes and NTC2008 (Italian reference standard) which provide guidelines on the structural calculation in seismic conditions.

Indeed, it is not possible to state a priori a degree of resistance according to an earthquake's strength scale. The structure must be checked according to the stratigraphic and topographical conditions of the soil and subsoil and of the predictable ground acceleration in these areas. The structure's behavior and its resisting capacities also depend on its geometry and boundary constraint conditions.

Specific verification could be necessary according to local regulation. Please contact us for specific cases.

5. Can the Home Lift be installed if accessible spaces do exist below the Lift shaft?

As a general rule: YES, provide that the structure can sustain the reported dynamic loads.

6. Can the Home Lift be installed in an hoistway bigger than the value specified in the plan sizes table?

As a general rule: YES, provided that the maximum gap between the cabin and the shaft wall does not exceed 150 mm. Please contact us for specific cases.

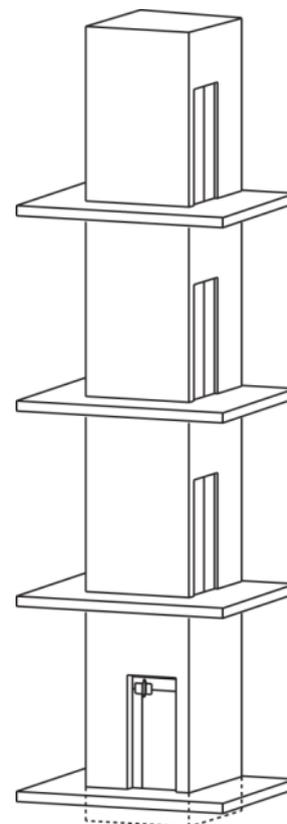
7. Which is the pit needed for installation?

Pit is 120 mm independent of the H200 model.

In case of cabin prepared for customer's floor the pit shall increase accordingly up to 140 mm (for a 20 mm floor).

In case of cabin with folding or sliding door when we have in a concrete shaft, only the bottom landing access at one side, a 250 mm pit is needed to grant access to the door operator for installation and maintenance.

Please contact us for specific cases.



Pit 250 mm

8. What is needed for outdoor application?

Oil heater is mandatory in case the lift is supposed to work below 5 °C

Other options suggested for outdoor application are indicated in the price list.

The lift must be installed above ground level. The lift pit must be drained and water should be directed away from the lift.

The lift is not water tight and water can leak into the lift via landing doors or shaft. Please protect doors and main cabinet from direct rain.

The Shaft outdoor kit include small canopies for landing doors.
If the lift is installed outdoor and there is no roof over the doors, door canopies must be installed over the doors.
The shaft panels with gasket are recommended for outdoor installation.

Installation is not recommended in salt or chlorine environment.
For example in case of installation close to sea or close to a swimming pool, please contact our drawing office for specific solutions.

Installation is not recommended in environment with strong sun irradiation.
The inside of the shaft can reach very high temperatures. Similarly, cold climatic conditions can cause very low temperatures in the shaft. These conditions constitute a potential danger to the user.
Extreme caution is required when using the lift platform in such conditions. In this case it is advisable to contact a conditioning and air treatment specialist to identify the best solution to adopt.

Please refer to our pre-installation manual for specific information.

Features & Benefits

You can always get out of the Home lift by yourself

If there is a power failure, you can always get out of the Home lift by yourself with automatic emergency lowering. Use the cabin buttons and the lift will take you to a pre-set lower floor where you can open the door and get out.

The safest lift of its kind

For safety we prefer to count on more than one system. The overspeed governor and brake is separate from the main drive system. The electronics are certified by a third party with the highest safety Integration level for units of this kind (SIL3).

Duty Cycle

Home lifts are intended for low traffic in residential or public buildings. H200 can run up to 36 travels per hour, depending on configurations and environmental conditions. In case of heavier use or higher travel, our lifts are provided with safety devices to standby the unit and prevent damages from overheating until the normal operation conditions are reset.

Energy efficiency

H200, tested in different configurations and speeds, has been rated as the best energy efficiency class, with stand-by consumption significantly below 30W and extremely low annual nominal consumption (*).

Low operation and maintenance cost

The entire portfolio of the thyssenkrupp Home lifts is based on a common electronics with CAN BUS connection granting easy diagnostic and maintenance.

Premium Metal Shaft

thyssenkrupp's metal shaft means the lift is weatherproof and suitable for seismic conditions, making it the ideal premium mobility enhancement for private homes.

Versatile portfolio

More than 200 predefined plan sizes to fit everywhere in private and public buildings. Available also in customized dimensions with or without cabin doors.

(*) Usage category: 1 according to VDI 4707-1. Measurement carried out on 08 November 2017. H200 Home lifts achieved the A class, the highest energy rating under the VDI 4707 classification. Actual performances are only indicative for similar units. Notified bodies only are entitled to perform measurements and classification.

Annexes

DWG-H200

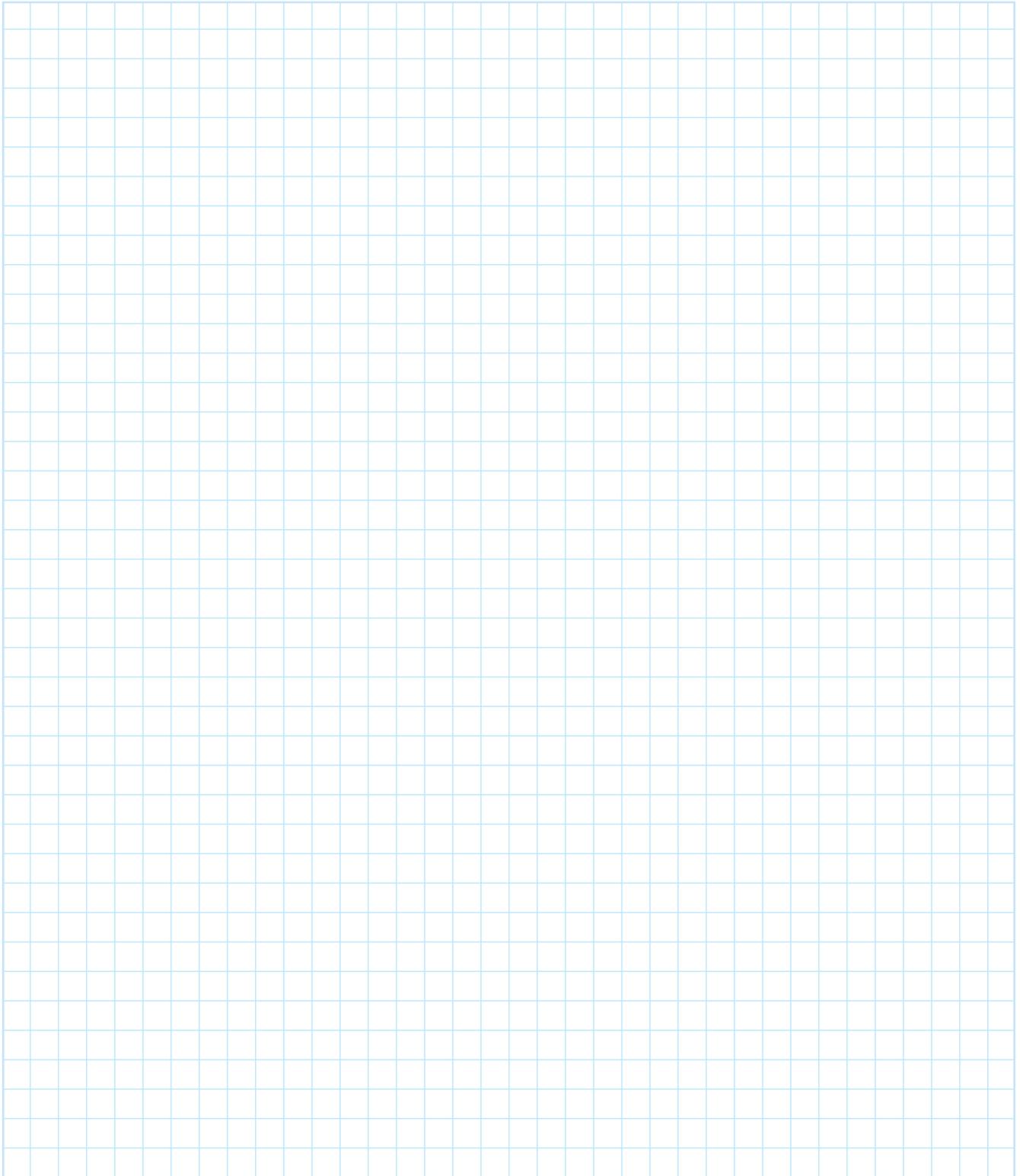
Includes the drawings of all the predefined plan sizes for H200 applications.

TAB-H200

Includes all the predefined and modular plan sizes for H200 applications in a tabular form with the main dimensions and information.

DGM-H200

Includes the feasibility diagrams and the formulas to pass from Cabin dimensions to Shaft dimensions. It includes also useful indications between cabin sizes and door sizes.
For experienced professionals, only.



Model Code
HY04 / HY41

Product Codes
HYxx-ES-yyy
HYxx-ST-yyy

Commercial Names
H200 / V200

Document name
CAT-H200-01

Date
July 2019