



The pinnacle of German engineering and Italian design

H300 home lift, designed for you, using gearless belt technology

Performance with style

Smooth and silent ride. The H300 incorporates innovative cog belt technology. The gearless drive system can offer unbelievable comfort and performance. A truly global Home lift for superior performances with speed from 0,15 up to 0,4 m/s depending on local codes and market availability.

Excellent materials and finishes. Trust our designer's choice for stylish combinations or feel free to design your own. The H300 can be customised in every details and dimensions perfectly matching your environment.

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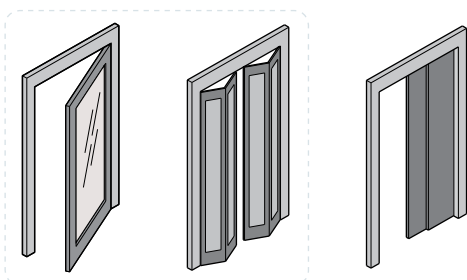
H300 performance with style

Smooth and silent ride. Excellent materials and finishes.

The H300 incorporates innovative cog belt technology: silent and efficient. The gearless drive system can offer unbelievable comfort and performance.

A truly global Home lift for superior performances with speed from 0,15 up to 0,4 m/s depending on local codes and market availability.

Technical compliance	European Machine directive 2006/42/EC Reference standard: EN 81-41
Drive system	Cogbelt and counterweight system driven by a gearless motor
Max speed	Europe: 0,15 m/s according to 2006/42/EC Outside EU: up to 0,4 m/s depending on countries and local codes.
Rated Load	250 - 400 kg depending on cabin size
Travel height	1100 - 18000 mm
Distance between intermediate floor (Masonry / Metal Shaft)	min. 250 mm (doors at different sides) With standard doors, net height 2000 mm min. 2200 / 2400 mm (Swing doors same side) min. 2480 / 2550 mm (Sliding 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	140 mm (no pit is required when there is a threshold/ramp)
Shaft Top height (Masonry / Metal)	Folding Doors: Standard 2350 / 2450 mm Sliding Doors: Standard 2450 / 2590 mm. Elongation is possible.
Cabin control	One-touch
Landing control (on door)	One-touch with call reservation
Environment	Indoor / Outdoor (between -5°C and +40°C)
Emergency lowering	Uninterruptible Power Supply (UPS) lowering
Control voltage	24V
Power requirements	1-phase 230Vac 50/60Hz
Circuit Breaker / RCD	16A Tripping curves C / 30mA class A or B
Max power demand	1,85 kW (EU version 0,15 m/s 400 kg) 3,5 kW (Extra EU version 0,4 m/s 400 kg)



Automatic Operation with call reservation

The lift has a completely enclosed cabin for automatic "one-touch" operation. Possible configurations are:

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



H300 dimensions and configurations

Our Home lift H300 is always provided with a completely enclosed cabin for automatic one-touch operation.

The H300 is available in a wide range of configurations.

It is offered with standard preconfigured solutions or can be customised in every details and dimensions perfectly matching your environment.

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

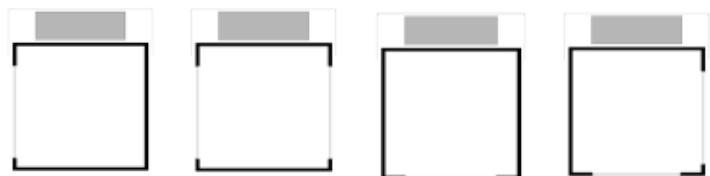
Predefined plan sizes - cabin dimensions

The most frequently requested plan sizes.

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

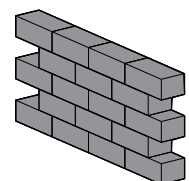
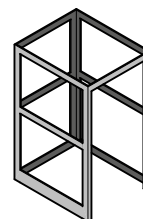
Plan Code	Nominal Cabin Dimensions (mm)	Nominal Floor area (m ²)	Nominal Load (kg)
P1	900 x 1200	1,08	270
P2	1000 x 800	0,80	250
P3	1000 x 1000	1,00	250
P4	1200 x 1000	1,20	300
P5	1200 x 1200	1,44	360
P6	1400 x 900	1,26	315
P7	1400 x 1000	1,40	350
P8	1400 x 1100	1,54	400

Cabins with intermediate dimensions are available.
 (*) Max load subjected to feasibility check.



Cabin Dimensions

- ✓ H300 is available in 8 different plan sizes
- ✓ H300 is also offered in customised dimensions
- ✓ The rated load depends on the platform size and the required power supply is 230 V 1-phase.



H300 cabin with sliding doors



"Europe Classic" cabin with sliding doors

Cabin sliding doors

H300 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:

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

Cabin wall finishes:

- ② • Skinplate or RAL painted
- Stainless Steel AISI441 or AISI304 Satin
- Stainless Steel AISI304 Linen
- High Pressure Laminates with different styles and accent on the central panel and corners

- ③ Cabin / Doors height

2100 mm with net door height 2000 mm

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

Shaft top height (cabin with sliding doors)

- 2450 mm in case of photocells in masonry shaft
- 2500 mm in case of light curtains in masonry shaft
- 2590 mm in case of shaft structure - header diagonals
- 2610 mm in case of shaft structure - flat roof
- 2630 mm in case of shaft structure outdoor - inclined roof

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

Dimensions

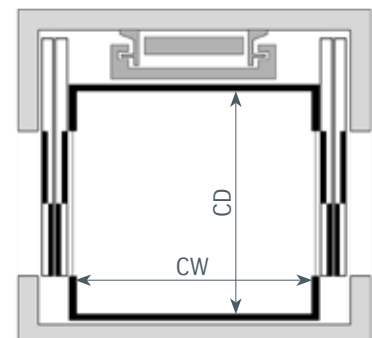
H300 with sliding doors is available in 8 standard plan sizes. Cabin dimension has been preselected according to the most frequently asked configurations and the layout is designed to maximize the net door access. Detailed drawings are included in the annex.

Intermediate dimensions for doors and plan sizes are possible.

Smallest Cabin (CWxCD): 780 mm x 650 mm

Cabin with max width (CWxCD): 1410 mm x 1135 mm

Cabin with max depth (CWxCD): 1210 mm x 1215 mm



H300 cabin with folding doors



"Europe Modern" cabin with panoramic folding doors

Dimensions

H300 with folding doors is available in 8 standard 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

Cabin with max width (CWxCD): 1410 mm x 1135 mm

Cabin with max depth (CWxCD): 1210 mm x 1215 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

Cabin folding doors

H300 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 to install sliding doors. At landings you will have swing doors.

- ① Cabin doors:
 - 4 panels central opening
 - RAL painted or Stainless Steel (AISI304 Satin)
 - Blind or Panoramic
- ② Cabin wall finishes:
 - Skinplate or RAL painted
 - Stainless Steel AISI441 or AISI304 Satin
 - Stainless Steel AISI304 Linen
 - High Pressure Laminates with different styles and accent on the central panel and corners
- ③ Cabin / Doors height
 2100 mm with net door height 2020 mm
 In case of false ceiling net cabin height is reduced by 70 mm

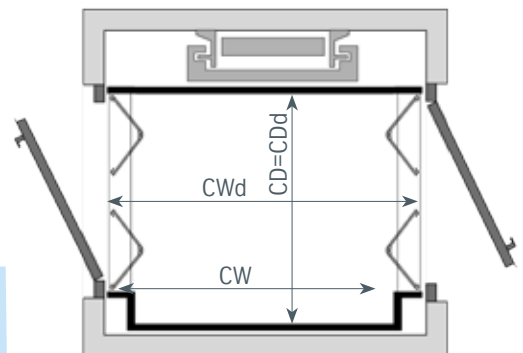
Shaft top height (cabin with folding doors)

- 2350 mm in case of masonry shaft
- 2450 mm in case of shaft structure - header diagonals
- 2470 in case of shaft structure - flat roof
- 2490 in case of shaft structure outdoor - inclined roof

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



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 and a colour display. As an option it can be configured with 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

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.

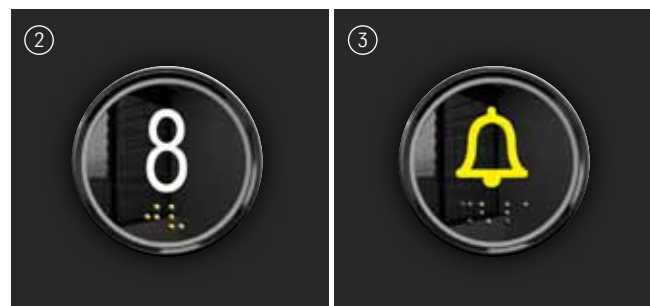
COP layout is in two columns, in case of more buttons.
Finishes matching with the control panel.



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
Midrange 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 icon 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 diagnostic
- If connected to the buildings 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

Key switch placed on the control panel.
The key switch locks the Home lifts 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

*We supply two keys per each switch.
Extra keys can be provided on request.*



i-button

We supply one (black) i-button per each selective switch or LOP switch.

Two (black) i-buttons in case of overall cabin switch.

*Extra buttons can be provided on request.
Red i-button is for installation only.*

⑨ Ventilation Fan

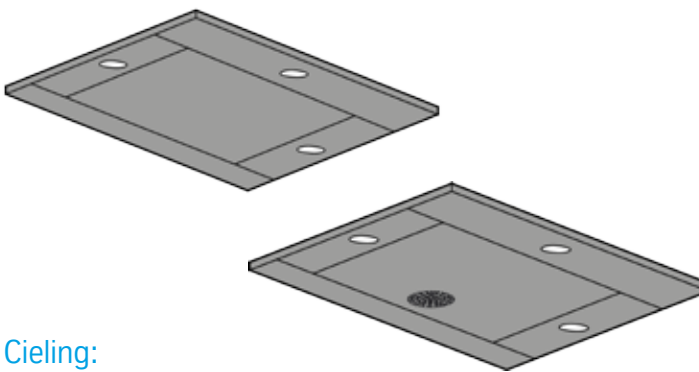
A ventilation Fan can be installed as option in the Standard Cabin. The fan will be positioned directly onto the trapdoor close to the guide side.

The fan will switch on automatically when the lift is operated and then switch off after a delayed time, exactly as it happens for the cabin light.

An optional fan button can be added to the COP in order to switch OFF/ON the fan.

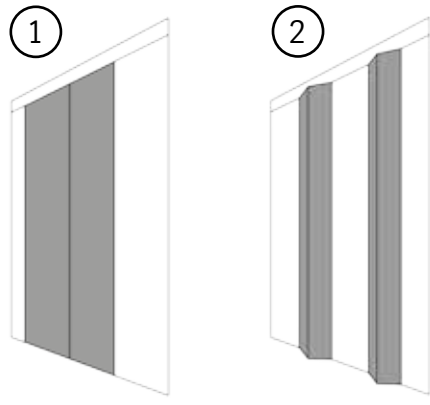


Standard Cabin - Layout



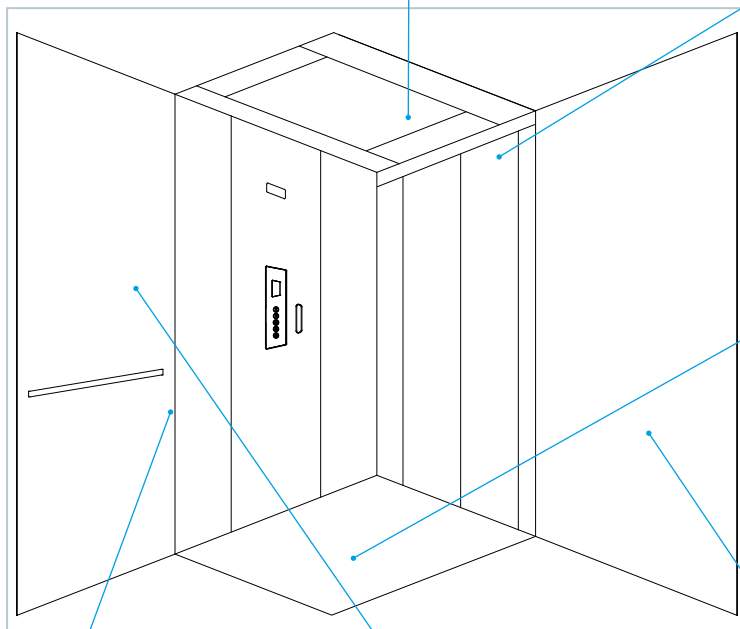
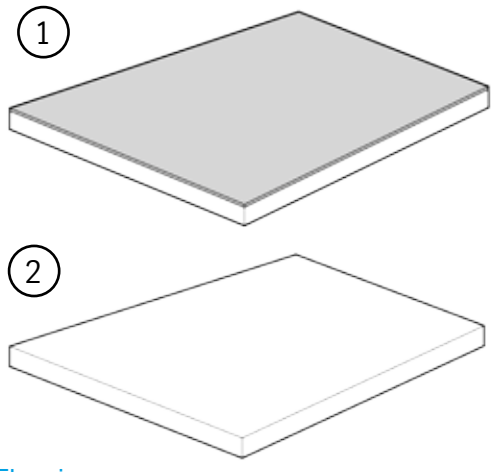
Ceiling:

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



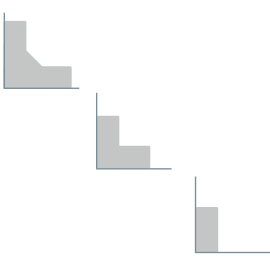
Access Side:

- Sliding door (1)
- Folding door (2)
- Matching finish to cabin walls

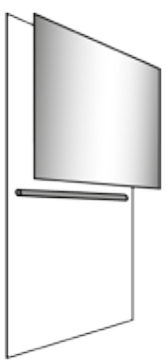



Flooring:

- At choice from our catalogue (1)
- Supplied without vinyl [3 mm recess] (2)

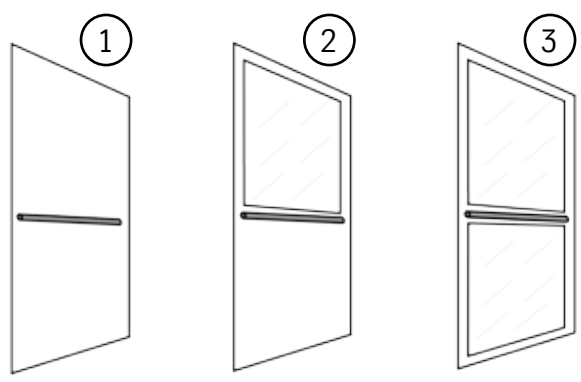


Cabin Corners
 Corners between walls might have different shapes depending on layout and dimensions. Please refer to annex DGM for details



Mirror for cabin wall:

- Half Wall
- Optional handrail



Cabin Wall:
 Blind Wall (1) Half Panoramic (2) Full Panoramic (3)
 Handrail not included, mandatory on Full Panoramic for Public Access solutions

Standard Cabin - Finishes

Flooring

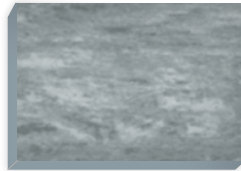
Choose between the following options for safety vinyl flooring with guaranteed life time non-slip.



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.

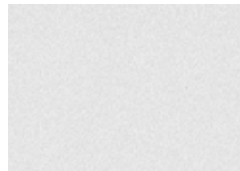
Cabin Wall

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

PRE-COATED STEEL - PLAIN



A4 (standard) - similar to RAL9010



A1 - similar to RAL9003



A13 - similar to RAL1013



B13 - similar to RAL5024



G1 - similar to RAL1015



N1 - similar to RAL7035



PPS - Metal Like - similar to RAL7037

RAL PAINT OF CHOICE

PRE-COATED STEEL - PPS



PPS1 - similar to RAL 7035



PPS10 - similar to RAL 9003



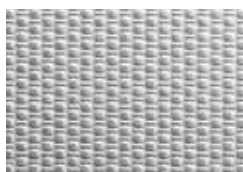
PPS11 - similar to RAL 1013



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

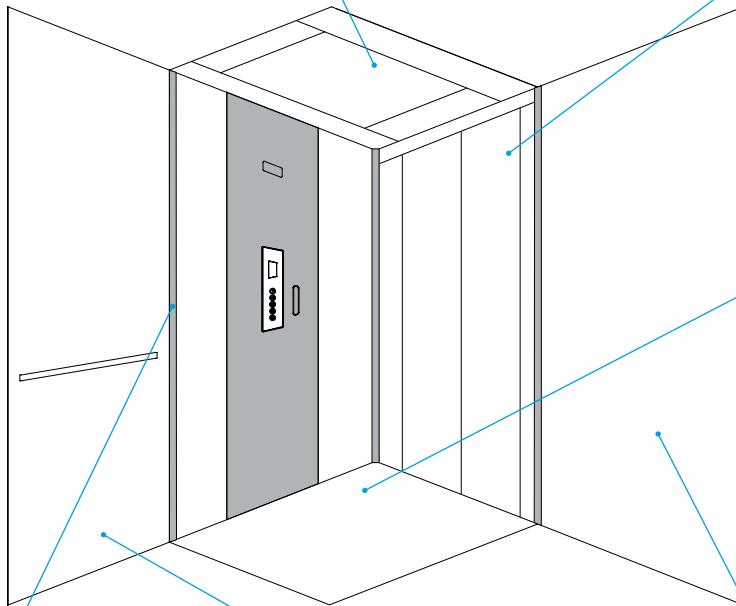
Elegance Cabin - Layout

Suspended ceiling:

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

Access Side:

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



Flooring:

- At choice from our catalogue (1)
- Prepared for Customer application [up to 20 mm recess; pit height increase accordingly] (2)

Cabin Corners:
Corners at access sides might have different shapes depending on layout and dimensions. Please refer to annex DGM for details.

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

Elegance Cabin - Finishes

Cabin Wall

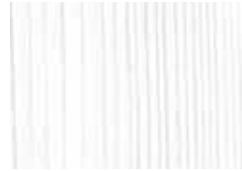
LAMINATE - WOOD



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



Satin



Mirror



Gold Mirror

LAMINATE - CONCRETE



Cr 868



Cr 585

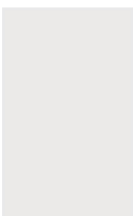


Cr 3331

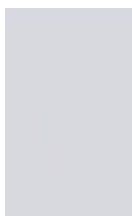


Cr 546 (former Cr 1117)

ACCENT – CORNERS AND CENTRAL PANEL



9003



7035



7012



7021



Satin



Mirror



Gold Mirror



1019



3003



6011



5024

Range of finishes may vary without prior notice depending on availability.
 Real colours and layout may differ from those shown. Slight noticeable differences are possible because of different materials. Contents subject to change without notice.
 RAL colours with smooth finish.

Flooring

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

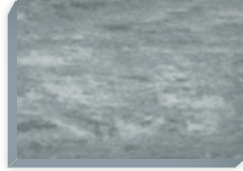
VINYL



White



Sand



Grey

STONES



White



Sand



Grey



Black

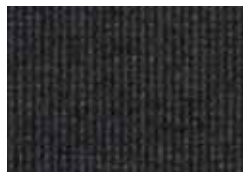
CARPETS



White



Sand



Grey

Prepared for Customer application
[up to 20 mm recess; pit height
increase accordingly. Please refer to
installation drawing]

Custom

Ceiling

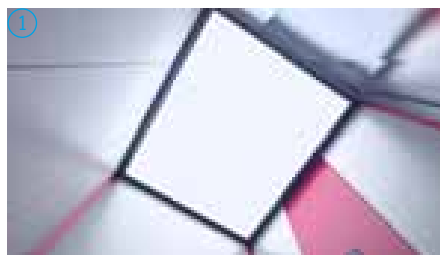
Elegance cabin is always provided with a counterceiling with LED light. Choose between the following options:

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: nonel
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

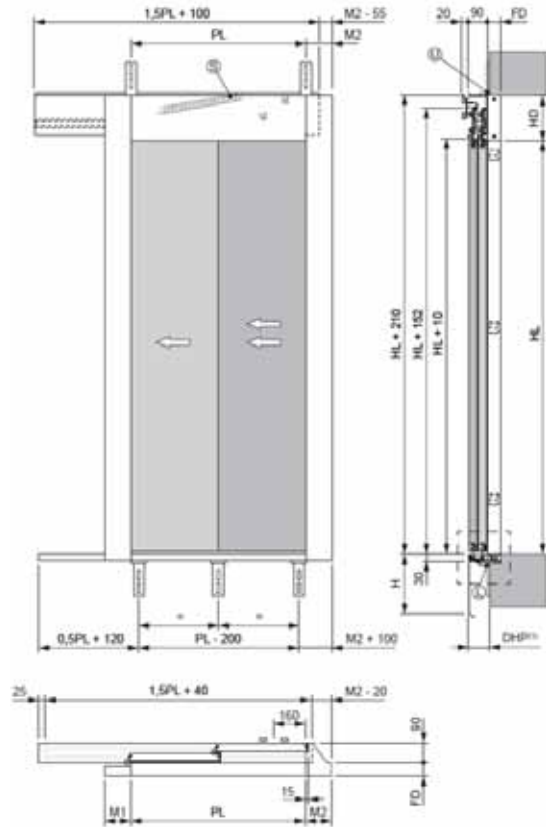
Doors

Sliding doors 2 Panels - 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.
- Fire & smoke proof doors comply with EN 81-58.

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 2 Panels - Lateral opening – Glass version

- The glass version has the same dimensions of 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 AISI304 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

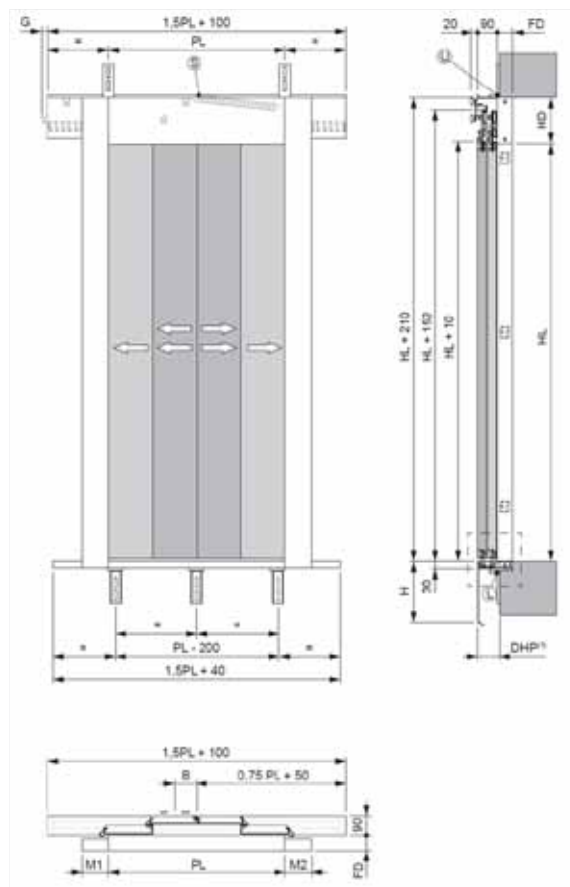
- The door height (HL) is 2000 mm
- The door frames have dimensions 100 mm on each side (M1, M2, HD)
- The door sill of the landing door is 90 mm (Cabin door 70 mm)
- The frame is 60 mm deep (FD)
- The opening is central with four panels.
- The lock release has a triangular key provided with each machine.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

- EI60 and EI120 – Fireproof door can be ordered as option at landings.
- Fire & smoke proof doors comply with EN 81-58.

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



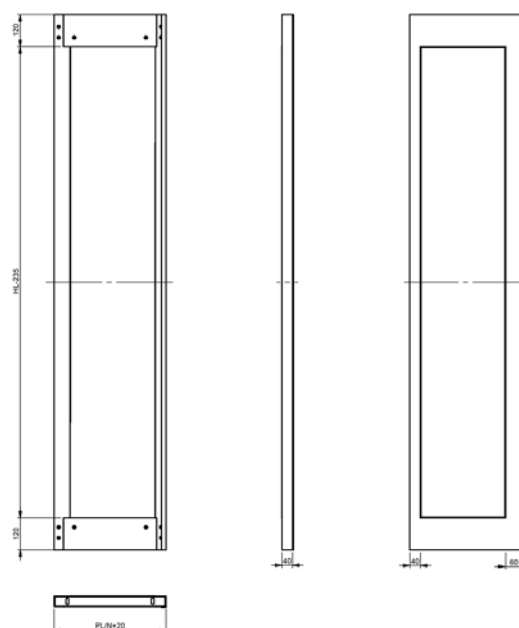
Sliding doors 4 Panels - Central opening - Glass version

- 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 AISI304 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 – central open 4 panels - glass version

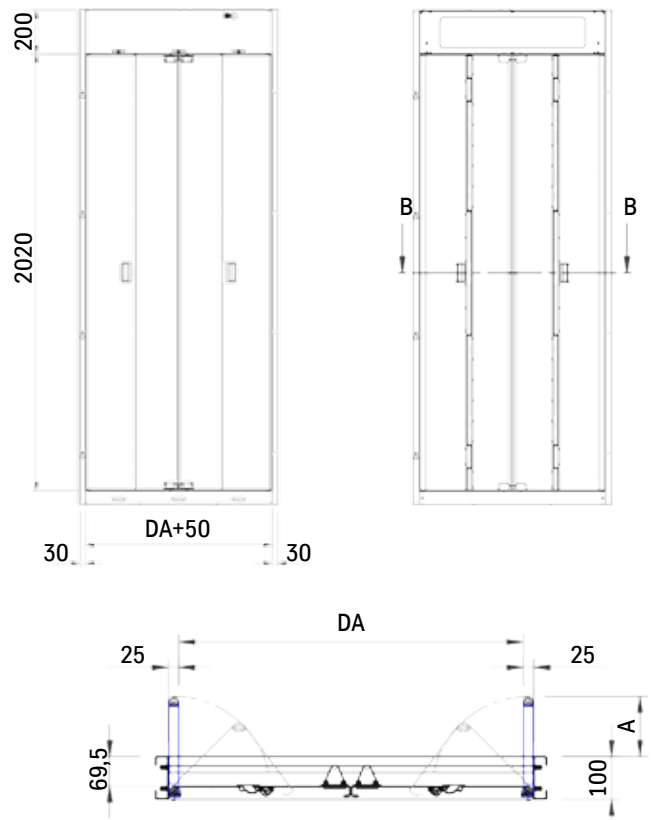
Door clear access (PL)	Panel size	Glass Size
600 mm	170 mm	70 mm
700 mm	195 mm	95 mm
800 mm	220 mm	120 mm
900 mm	245 mm	145 mm

Nominal dimensions in mm



Cabin folding doors

- Four panel central opening.
- The standard door net height is 2020 mm.
- The door sill of the landing door is 100 mm



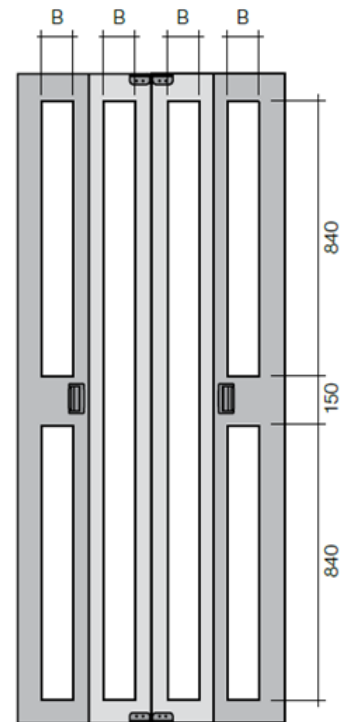
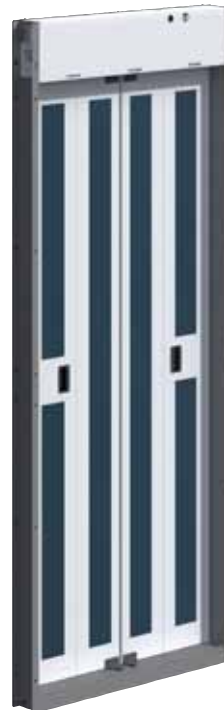
Door clear access [DA]	A
600 mm	90,5 mm
700 mm	115,5 mm
800 mm	140,5 mm
900 mm	165,5 mm

“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 dimensions as the blind version.
- 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.
- The frame around the glass has standard dimensions and is in Stainless Steel AISI304 Satin finish. As option can be painted in RAL colour at choice.



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 2020 mm
Nominal dimensions in millimeters

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



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 satin finish (AISI 441 or 304 or 316)

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
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 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 dor 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

Also applicable to EI120 Fire & Smoke Proof Doors



When having two doors with door openers on the same landing, both doors will be opened at the same time.

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.

Door faceplate

The door faceplate is in standard Stainless Steel.

The door faceplate can include:

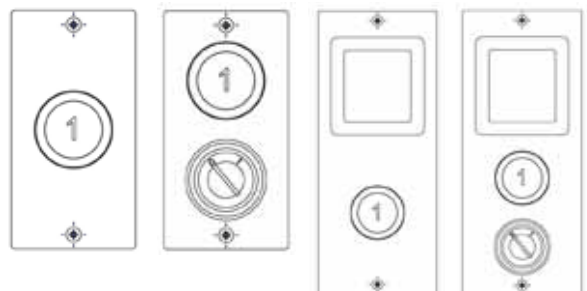
- Call button
- Key switch
- i-button
- LCD display
- Key switch prepared for EUROKEY (Model 393/211)



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.

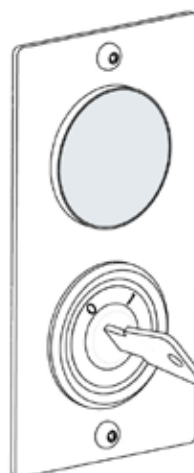
We can provide one key switch per door only.



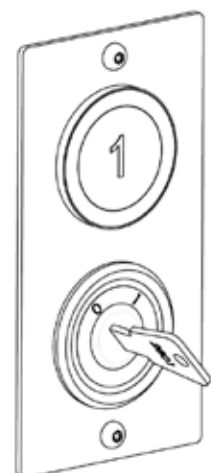
Call button

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.
- 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

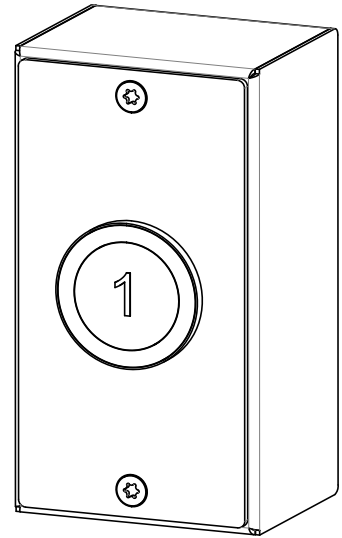
Door control placed away from the lift in an external call box connected to the lift via a cable.

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

Finish: The faceplate is in stainless steel satin.

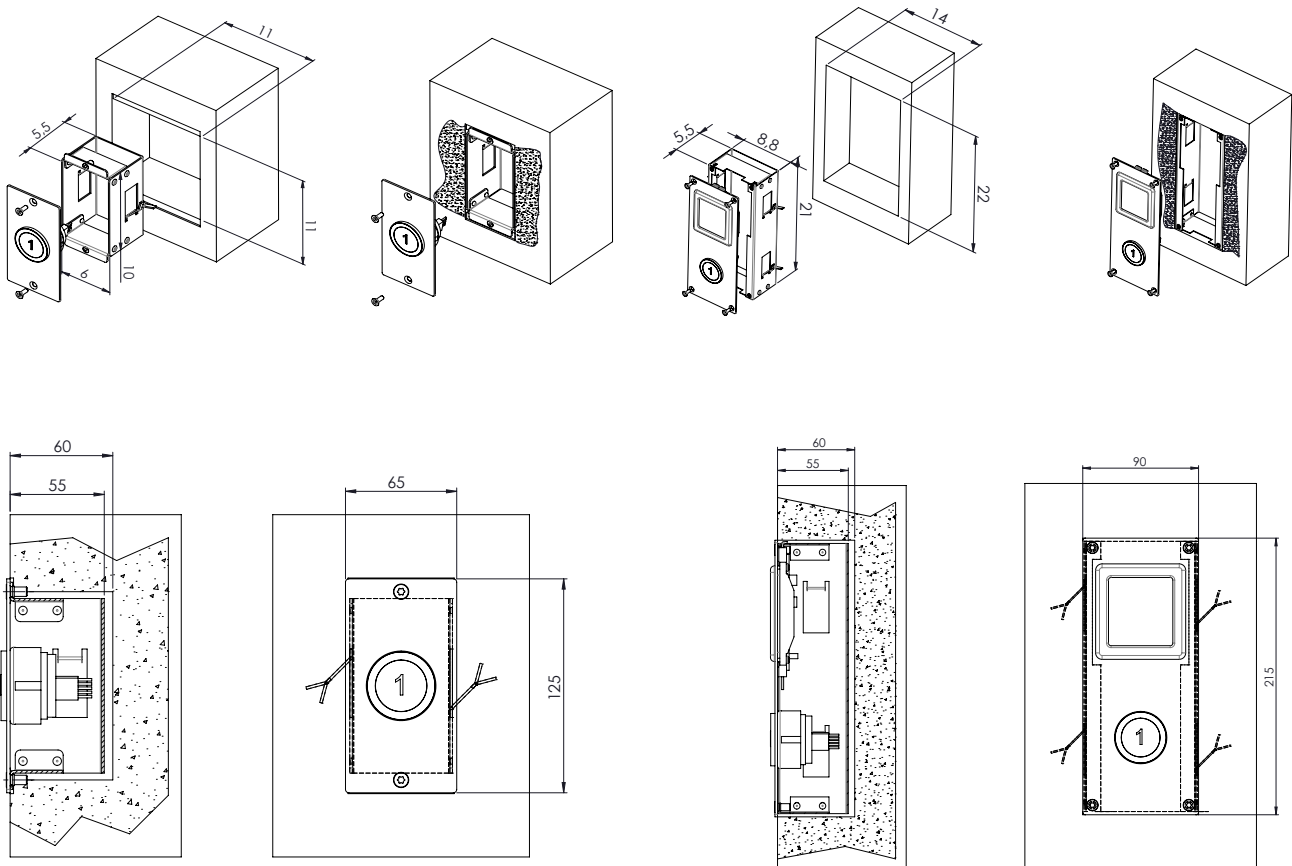
The call box can be Surface Mounted or Flush Mounted. It can be ordered in addition to the standard faceplate at landing or as remote sender from a specified floor to a different specified destination floor.

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

H300 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 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.

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

Typical Required Headroom with standard cabin (2100 mm)

Model	Cabin Folding Doors + Landing Swing Doors	Cabin and landing Sliding Doors
H300 in concrete shaft	2350 mm	2450 mm (photocells) / 2500 mm (light curtains)
H300 metal shaft header diagonals - indoor	2450 mm	2590 mm
H300 metal shaft flat roof - indoor	2470 mm	2610 mm
H300 metal shaft inclined roof - outdoor	2490 mm	2630 mm

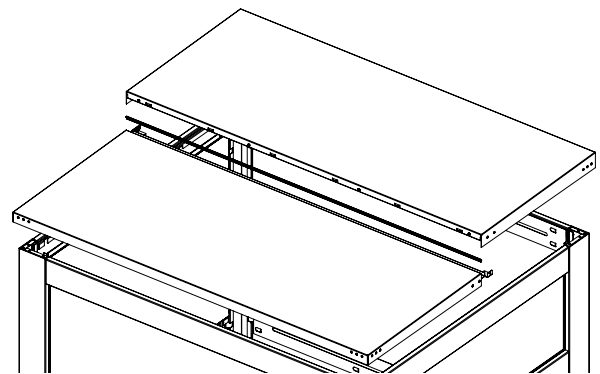
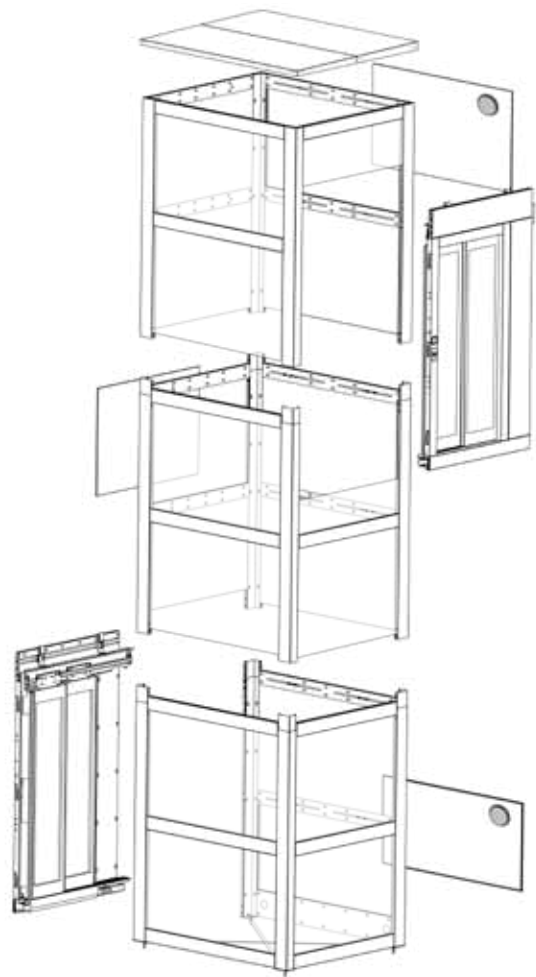
(*) According to Eurocode, Seismic verification shall be checked with specific calculations and definition of fixing points for the specific unit.

Shaft ceiling type

- Header diagonal (roof not covered)
- 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. The ramp is made of aluminium and prevent slipping. The vertical rise of the ramp is less than 1:4.



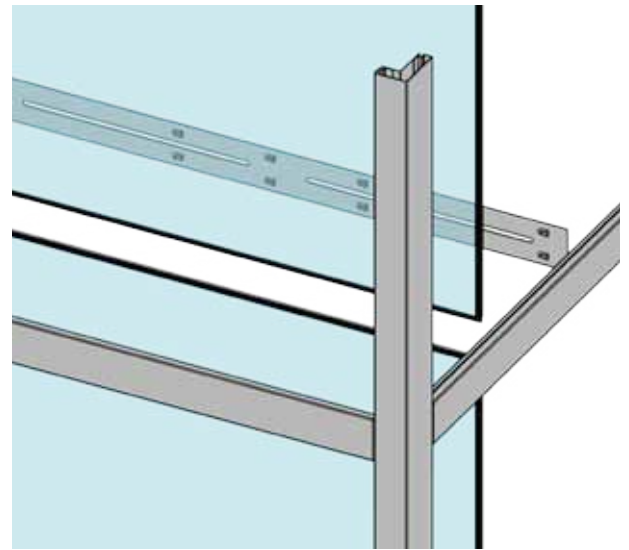
Shaft panels

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.

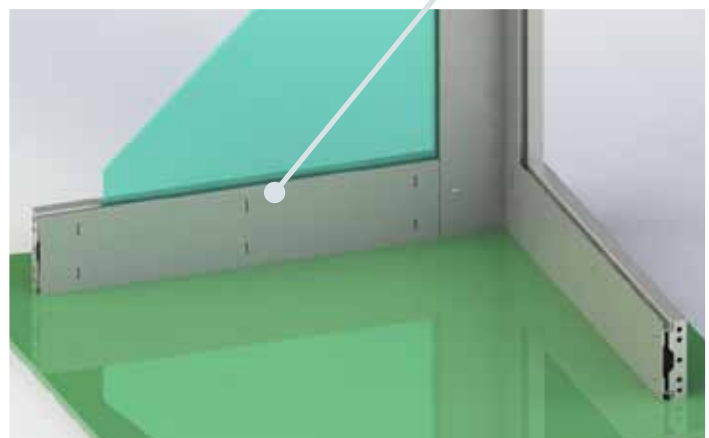
Different types of glass are available:

- 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.



Feasibility Information

Narrow and Wider

The H300 is provided with two different layouts according to the cabin dimensions. Please see side table.

Lift type	Guides distance (mm)	Cabin Width Min - Max (mm)
Type I (Narrow)	640	750 - 1139
Type II (Wider)	1000	1140 - 1400

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

As a standard rule, H300 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.

Feasibility diagrams for the different configurations are included in the DGM Annex to this catalog. They include formula From Cabin to Shaft and viceversa; Minimum dimensions needed for door's type.

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

Typical dimensions

In these catalogue we have preselected some typical plan sizes which represent the most frequently 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
- "**Customized plan sizes**" which differ from the "Predefined" or "Modular" ones for doors size, door jambs or door displacement.
- "**At measure plan sizes**" - which are instead completely customised.

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

Panoramic Sides

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

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


For bigger cabins, 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.

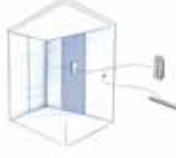
Please see below table and contact us for further informations.

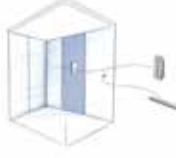
- "full availability" means there are no limitations. Any available option can be configured.
- "Weight check" means that cabins are feasible with Carpet or PVC Floor only; for the smallest cabins in the range also Rocksolid or Cladding elements might be feasible.
- "Carpet or PVC floor only" means you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

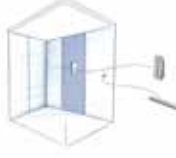
Outside Europe, local regulations can state different minimum rated load with a resulting wider feasibility.


Feasibility Tables according to EN code - rated load 250 kg/m²


	Standard Cabin 1 access	Floor Area	Number of Panoramic Sides		
		-	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	Floor Area	Number of Panoramic Sides		
		-	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

	Midrange Cabin Steel Walls 1 access	Floor Area	Number of Panoramic Sides		
		-	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

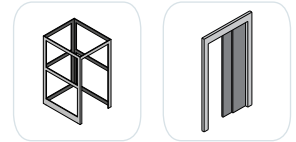
	Midrange Cabin Steel Walls 2 access	Floor Area	Number of Panoramic Sides		
		-	1	2	3
		up to 1,3 m ²	full availability	full availability	full availability
		1,3 - 1,44 m ²	full availability	full availability	full availability
		> 1,44 m ²	Weight check	Carpet or PVC floor only	Feasibility Check

	Midrange Cabin HPL Walls 1 access	Floor Area	Number of Panoramic Sides		
		-	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

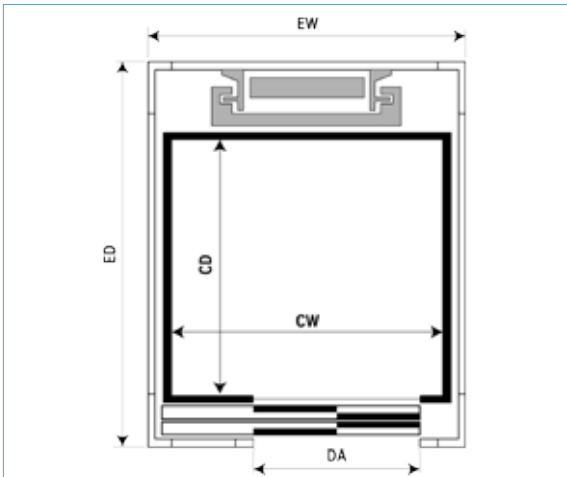
	Midrange Cabin HPL Walls 2 access	Floor Area	Number of Panoramic Sides		
		-	1	2	3
		up to 1,3 m ²	full availability	full availability	full availability
		1,3 - 1,44 m ²	full availability	full availability	full availability (*)
		> 1,44 m ²	Carpet or PVC floor only	Feasibility Check	Feasibility Check

(*) In a few cases with type I (Narrow) machines it could be necessary to increase the lift headroom to get the Full availability

Predefined plan sizes - Shaft Structure



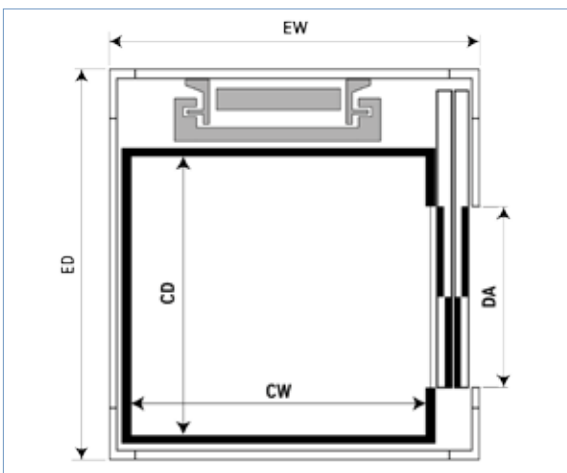
In case of no different notice doors are lateral opening two panels (2P). (4P) stands for four panel central opening



Frontal access

Configurations in accordance to the EN 81-41 in grey

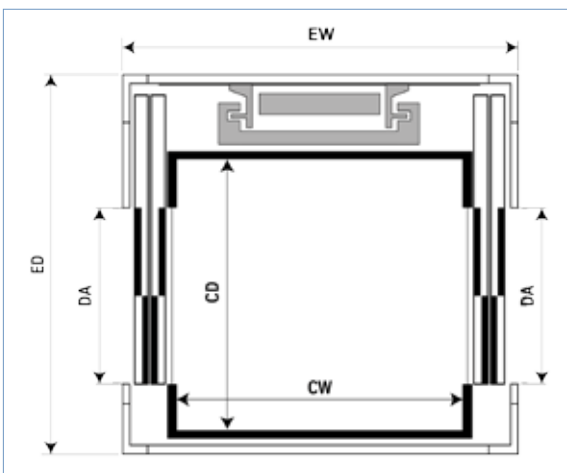
	P1	P2	P3	P4	P5	P6	P7	P8
Nominal	900x1200	1000x800	1000x1000	1200x1000	-	1400x900	1400x1000	1400x1100
CW	900	1080	1080	1210	-	1400	1400	1400
CD	1215	815	1015	1015	-	915	1015	1115
EW	1200	1300	1300	1450	-	1600	1600	1600
ED	1900	1500	1700	1700	-	1600	1700	1800
DA	600	700 (4P) 600 (2P)	700 (4P) 600 (2P)	750	-	850	850	850
Rated Load	275	250	275	310	-	325	360	395



Lateral access

Configurations in accordance to the EN 81-41 in grey

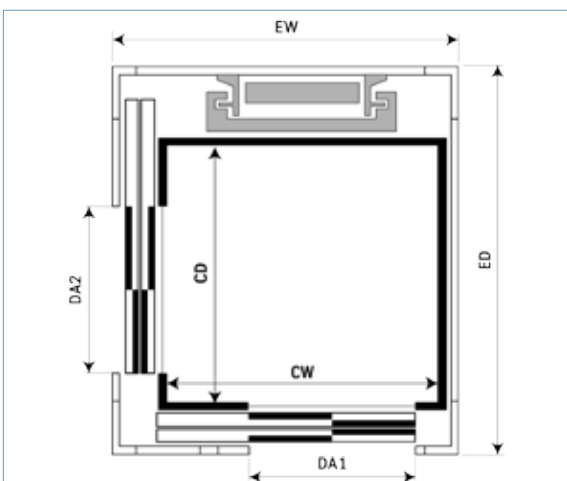
	P1	P2	P3	P4	P5	P6	P7	P8
Nominal	900x1200	1000x800	1000x1000	1200x1000	-	1400x900	1400x1000	1400x1100
CW	900	1010	1010	1210	-	1410	1410	1410
CD	1200	800	1000	1035	-	900	1035	1135
EW	1300	1400	1400	1600	-	1800	1800	1800
ED	1750	1300	1500	1550	-	1400	1550	1650
DA	900	650	800	800	-	700	800	900
Rated Load	270	250	255	315	-	320	365	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	1200	800	1000	1035	-	920	1035	1135
EW	1450	1600	1600	1800	-	1960	1960	1960
ED	1800	1300	1500	1550	-	1450	1550	1650
DA	900	650	800	800	-	750	800	900
Rated Load	270	250	260	325	-	325	365	400



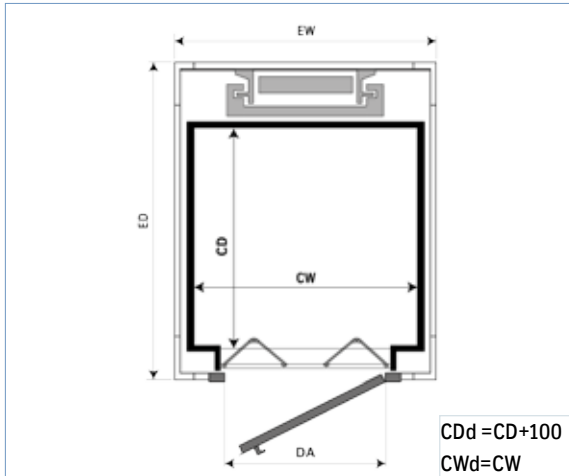
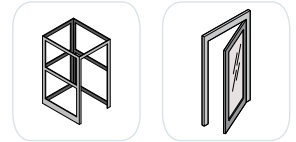
Adjacent accesses

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	910	1010	1010	1210	1210	1400	1400	1400
CD	1215	815	1015	1015	1215	915	1015	1115
EW	1300	1400	1400	1600	1600	1800	1800	1800
ED	1900	1500	1700	1700	1900	1600	1700	1800
DA1	600 (4P)	600	700	750	800 (2P) 850 (4P)	900	900	900
DA2	900	700	800	800	850 (2P) 900 (2P)	750	800	900
Rated Load	280	250	260	310	370	325	360	395

Predefined plan sizes - Shaft Structure

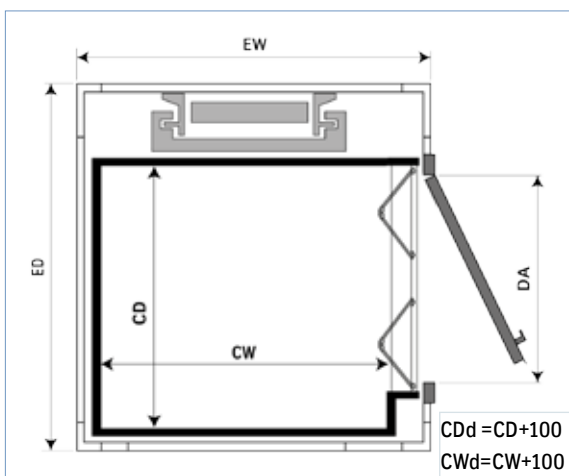
In case of measurement Door to Door (CDd and CWd - pag.5), please consider additional 100 mm for each access



Frontal access

Configurations in accordance to the EN 81-41 in grey

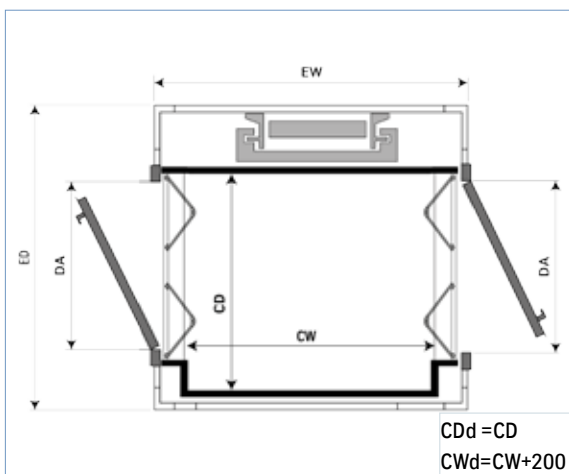
	P1	P2	P3	P4	P5	P6	P7	P8
Nominal	900x1200	1000x800	1000x1000	1200x1000	-	1400x900	1400x1000	1400x1100
CW	900	1000	1090	1200	-	1400	1400	1400
CD	1205	805	1005	1005	-	905	1005	1105
EW	1100	1200	1300	1450	-	1600	1600	1600
ED	1800	1400	1600	1600	-	1500	1600	1700
DA	700	800	900	900	-	900	900	900
Rated Load	275	250	275	305	-	320	355	390



Lateral access

Configurations in accordance to the EN 81-41 in grey

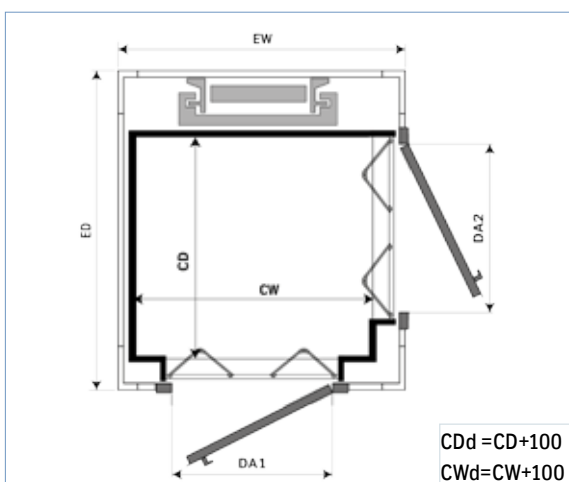
	P1	P2	P3	P4	P5	P6	P7	P8
Nominal	900x1200	1000x800	1000x1000	1200x1000	-	1400x900	1400x1000	1400x1100
CW	900	1000	1000	1200	-	1400	1400	1400
CD	1195	810	1010	1040	-	940	1040	1125
EW	1200	1300	1300	1500	-	1700	1700	1700
ED	1700	1350	1550	1550	-	1450	1550	1650
DA	900	650	850	850	-	750	850	900
Rated Load	270	250	255	315	-	330	365	395



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	1195	795	1085	1040	-	940	1040	1125
EW	1300	1400	1400	1600	-	1800	1800	1800
ED	1700	1300	1600	1550	-	1450	1550	1650
DA	900	650	900	850	-	750	850	900
Rated Load	275	250	280	320	-	335	370	400



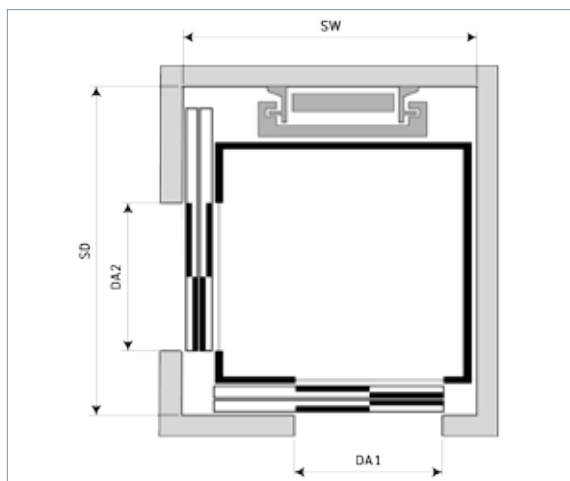
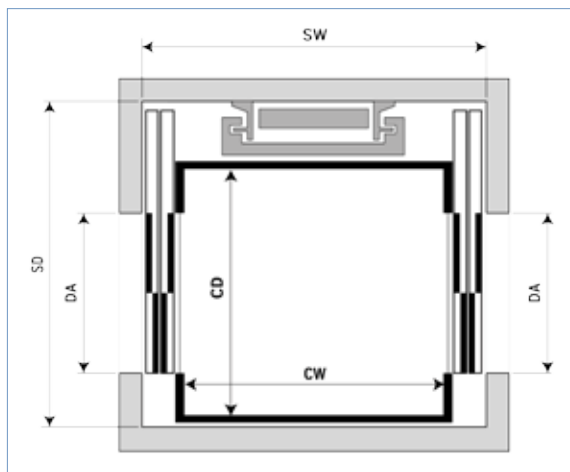
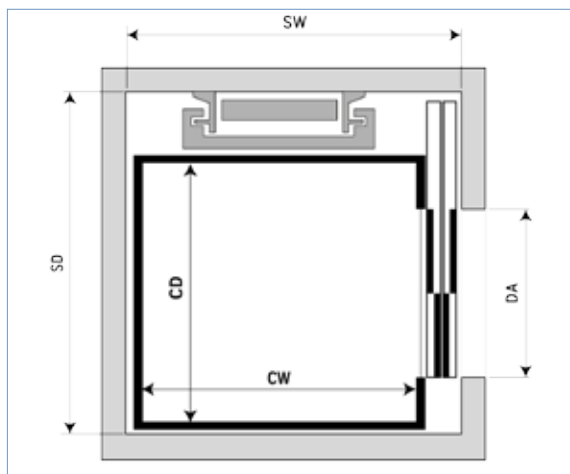
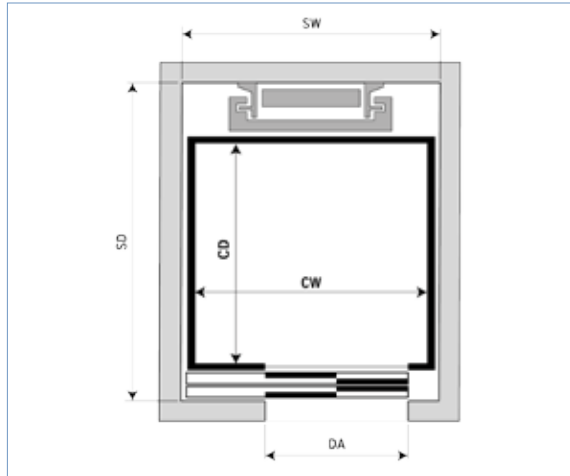
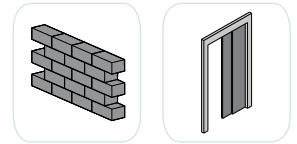
Adjacent accesses

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	1205	805	1005	1005	1205	905	1005	1105
EW	1200	1300	1300	1500	1500	1700	1700	1700
ED	1800	1400	1600	1600	1800	1500	1600	1700
DA1	650	750	750	800	900	900	900	900
DA2	900	650	750	800	900	700	800	900
Rated Load	275	250	255	305	365	320	355	390

Predefined plan sizes - Concrete shaft

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	1080	1210	-	1400	1400	1400
CD	1215	815	1015	1015	-	915	1015	1115
SW	1120	1220	1220	1350	-	1540	1540	1540
SD	1820	1420	1620	1620	-	1520	1620	1720
DA	600 (2P)	600 (2P) 700 (4P)	600 (2P) 700 (4P)	750	-	850	850	850
Rated Load	275	250	275	310	-	325	360	395

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	1010	1010	1210	-	1410	1410	1410
CD	1200	800	1000	1035	-	900	1035	1135
SW	1210	1320	1320	1520	-	1720	1720	1720
SD	1635	1235	1435	1470	-	1335	1470	1570
DA	900	650	800	800	-	700	800	900
Rated Load	270	250	255	310	-	320	365	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	1200	800	1000	1035	-	920	1035	1135
SW	1370	1520	1520	1720	-	1880	1880	1880
SD	1635	1235	1435	1470	-	1355	1470	1570
DA	900	650	800	800	-	750	800	900
Rated Load	270	250	260	325	-	325	365	400

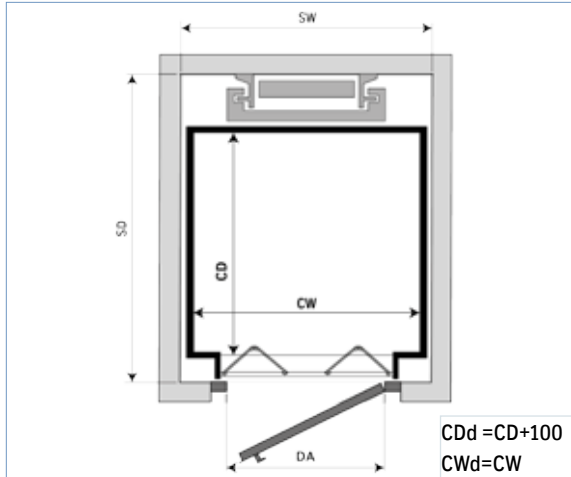
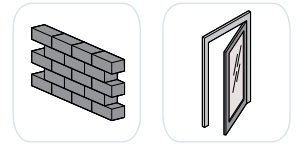
Adjacent accesses

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	910	1010	1010	1210	1210	1400	1400	1400
CD	1215	815	1015	1015	1215	915	1015	1115
SW	1220	1320	1320	1520	1520	1710	1710	1710
SD	1820	1420	1620	1620	1820	1520	1620	1720
DA1	600 (4P)	600	700	750	850 (2P) 900 (4P)	900	900	900
DA2	900	700	800	800	850 (2P) 900 (2P)	750	800	900
Rated Load	280	250	260	310	370	325	360	395

Predefined plan sizes - Concrete shaft

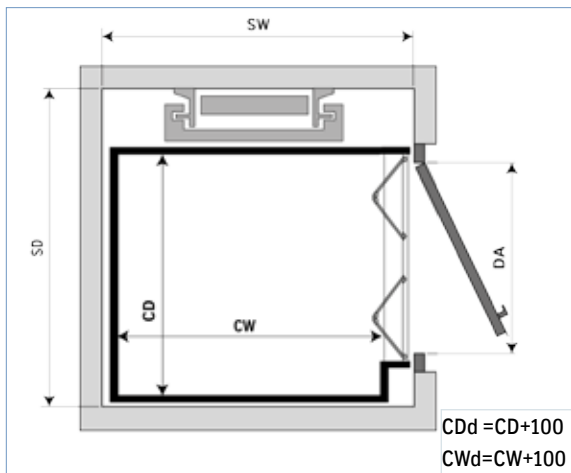
In case of measurement Door to Door (CDd and CWd - pag.5), please consider additional 100 mm for each access



Frontal access

Configurations in accordance to the EN 81-41 in grey

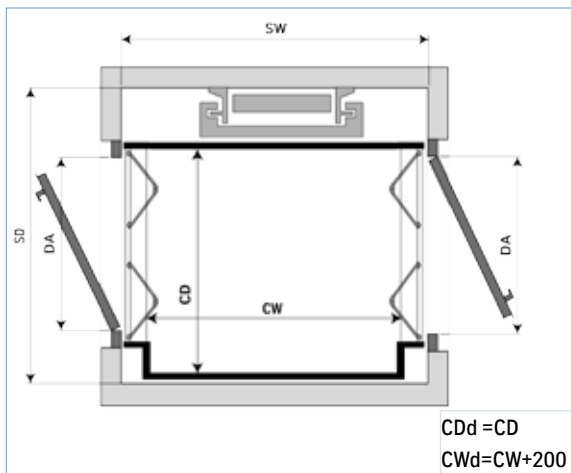
	P1	P2	P3	P4	P5	P6	P7	P8
Nominal	900x1200	1000x800	1000x1000	1200x1000		1400x900	1400x1000	1400x1100
CW	900	1000	1090	1200	-	1400	1400	1400
CD	1205	805	1005	1005	-	905	1005	1105
SW	1040	1140	1230	1340	-	1540	1540	1540
SD	1720	1320	1520	1520	-	1420	1520	1620
DA	700	800	900	900	-	900	900	900
Rated Load	275	250	275	305	-	320	355	390



Lateral access

Configurations in accordance to the EN 81-41 in grey

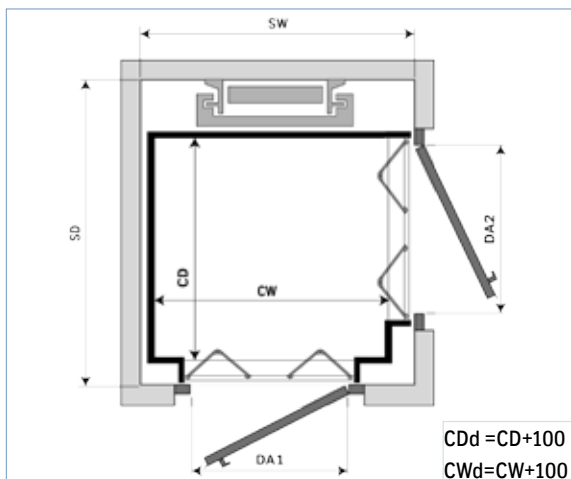
	P1	P2	P3	P4	P5	P6	P7	P8
Nominal	900x1200	1000x800	1000x1000	1200x1000		1400x900	1400x1000	1400x1100
CW	900	1000	1000	1200	-	1400	1400	1400
CD	1195	810	1010	1040	-	940	1040	1125
SW	1120	1220	1220	1420	-	1620	1620	1620
SD	1630	1245	1445	1475	-	1375	1475	1560
DA	900	650	850	850	-	750	850	900
Rated Load	270	250	255	315	-	330	365	395



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	1195	795	1085	1040	-	940	1040	1125
SW	1220	1320	1320	1520	-	1720	1720	1720
SD	1630	1230	1520	1475	-	1375	1475	1560
DA	900	650	900	850	-	750	850	900
Rated Load	275	250	280	320	-	335	370	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	1205	805	1005	1005	1205	905	1005	1105
SW	1120	1220	1220	1420	1420	1620	1620	1620
SD	1720	1320	1520	1520	1720	1420	1520	1620
DA1	650	750	750	800	900	900	900	900
DA2	900	650	750	800	900	700	800	900
Rated Load	275	250	255	305	365	320	355	390

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.
- T-guide sections always have a maximum length smaller than 3000 mm
- Shaft elements always have a maximum length smaller than 2500 mm
- The lift is always delivered with an optimized package to reduce logistic costs and product breakage during transportation.



Electrical cabinet

The standard position of the electrical cabinet is in the shaft or integrated in the existing building, at the upper floor side to the landing door.

Optionally it can be positioned at the bottom floor side to the landing door or moved to a maximum distance of 5 meters from the Guide side of the lift (at bottom or top landing).

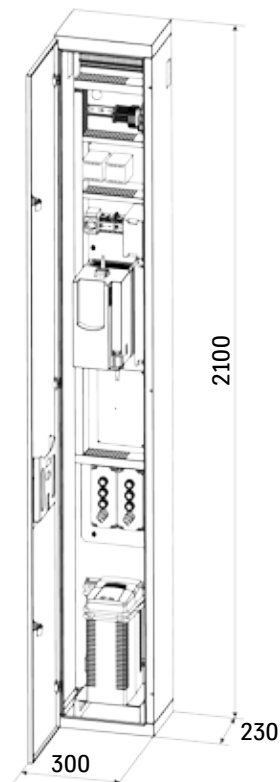
Please specify your preference at order stage.

Finishes: Standard is skinplate metal like

Option: Stainless Steel 304 Satin; RAL paint at choice

For outdoor application, we suggest to order a RAL painted cabinet and to position it in a protected area of the building or to provide "suitable rain protection" to avoid unwanted water infiltration inside the cabinet. It should not be exposed to direct rain.

Dimensions: 300 x 230 x 2100 mm



Communication & drive



Two way communication

Two way communication is mandatory according to EN81-41. Telephone landline required for standard configuration. As an option, GSM module can be added (SIM card not supplied). 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 side to the Control Panel.

Precision engineering you can trust

Gearless Motor & Cogged belts

Silent and efficient, the gearless drive system can offer unbelievable comfort and performances.

Due to the double offset helix design, the cogged belts minimize noise and vibrations optimizing guidance of the belt over the pulley.

Soft start and stop.

It provides the lift with an unbelievable smooth start and stop, thank you to the state-of-the art inverter with customizable logic capability. It comes as a standard feature on all the Home lifts.

Safety is our DNA.

With its own SIL3 certified electronics, H300 sets itself apart from the crowd and beyond the mandatory in the Home lift market.

Emergency lowering

The UPS system ensures an Uninterruptible Power Source to run the lift in the case of a power cut as a standard device. 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.

FAQ

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

The H300 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.

Painting for the "Accent" of the Elegance Cabin has smooth finish.

Any RAL colour means any RAL colour from the 213 colour in the RAL chart K7 classic (year 2017). 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 special 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 H300 complies with the Machine Directive 2006/42/EC, by following the harmonized standard EN 81-41.

Lifts with speed 0,15 m/s are type approved and CE marked.
Lifts with higher speed (up to 0,4 m/s) are approved for sales in Australia and other extra european countries, where allowed.

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

H300 Nomenclature

Model Code	Max Speed	Certification
BL41	0,15 m/s	CE type approved
BL46	0,3 m/s	Outside EU only in selected countries
BL47	0,35 m/s	
BL48	0,4 m/s	

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 units 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 shaft applies to the shaft 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)	H300 [BL41] Load (kN)	H300 [BL48] Load (kN)
2	19,5	36,5
4	20	37
6	20,5	37,5
8	21	38
10	21,5	38,5
12	22	39
14	22,5	39,5
16	23	40
18	23,5	40,5

Load from the lift to area "S"

Travel (m)	H300 Total (kN)	H300 each corner (kN)	H300 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
16	40	10	0,53
18	44	11	0,58

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

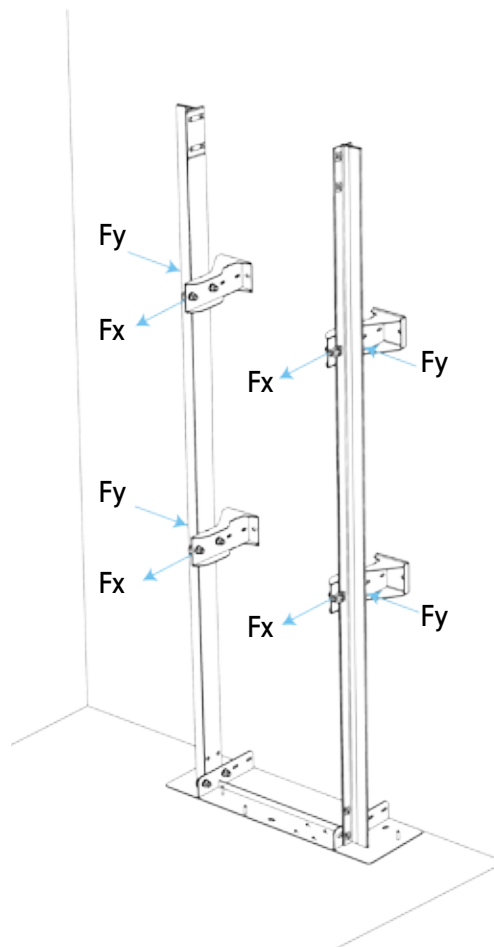
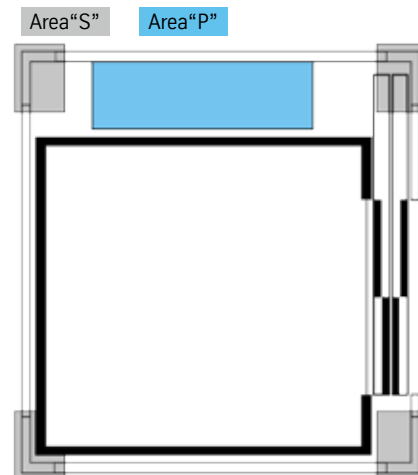
- The force is distributed to the wall through each crossbeam.
- Vertical distance between each crossbeam is on average 1,1 - 1,5 metre
- Maximum force applied to each fixing point as a function of the lift's speed.

Speed (m/s)	Fx guide side [kN]	Fy guide side [kN]
<= 0,15	2,6	0,9
> 0,15	4,7	1,6

Reaction Force on the wall (rail side) - 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.

Lift type	Base plate dimensions /Area "P" dimensions
Type I (Narrow)	726x245 mm
Type II (Wider)	1125x245 mm



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 NTC2018 (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 and 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 well?

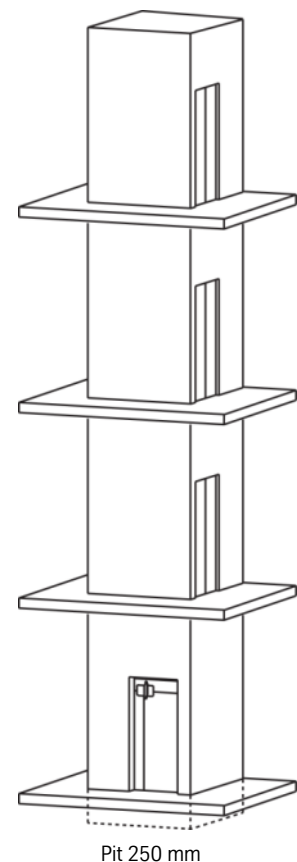
As a general rule: NO.
The counterweight is not provided with a safety gear.

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?

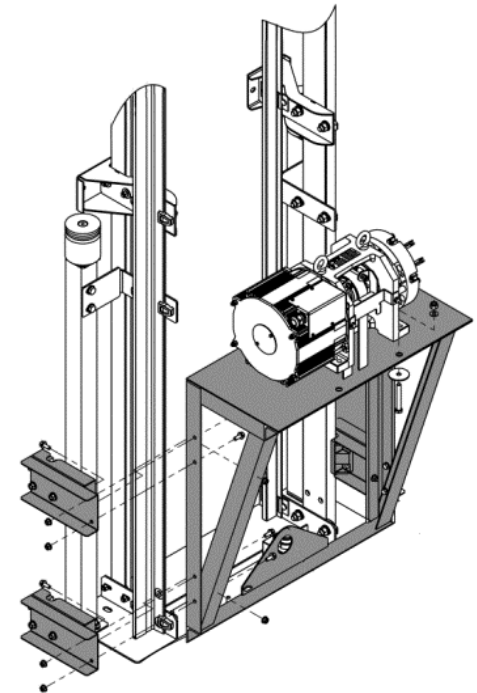
Pit is 140 mm independently from the H300 model.
In case of cabin prepared for customer's floor the Pit shall increase accordingly up to 160 mm (for a 20 mm floor).
In a concrete shaft, in case we have only the bottom landing access at one side, a 250 mm pit is needed to grant access to the door operator for installation and maintenance.
Please contact us for specific cases.



7. How can I get the specific Installation tools?

Specific tools has been designed for a safe and easy installation and maintenance of H300.

It is possible to order the Installation kit together with your unit selecting it at Configuration stage or as spare parts.



8. What is needed for outdoor application?

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 separated 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. H300 can run up to 60 travels per hour with no restrictions. In case of heavier use, our lifts are provided with safety devices to standby the unit and prevent damages from overeating until the normal operation conditions are reset.

Energy efficiency

H300, tested in different configurations and speeds, has been rated as the best energy efficiency class, with stand-by consumption significantly below 50W and extremely low annual nominal consumption (*).

No need for a machine room

Traction machine is located in the top part of the hoistway with an headroom of 2600 mm and a pit as only 140 mm for a gearless Home lift. Electronics is located in a discrete cabinet usually positioned side to the door at top landing in the shaft.

Low operation and maintenance cost

The entire portfolio of the thyssenkrupp Home lift's is based on a common electronics with CAN BUS connection granted easy diagnostic and maintenance. Remote diagnostic system available as option.

Structural 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.

The pinnacle of German engineering and Italian design

The H300 delivers true comfort and efficient engineering in every detail. Gearless cog belt technology ensures quiet operations with an extra-gentle start and stop while its wide selection of bespoke interior finishes can accommodate each customer's individual design preferences.

(*) Usage category: 1 according to VDI 4707-1. Measurement carried out on 08 November 2017. H300 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-H300

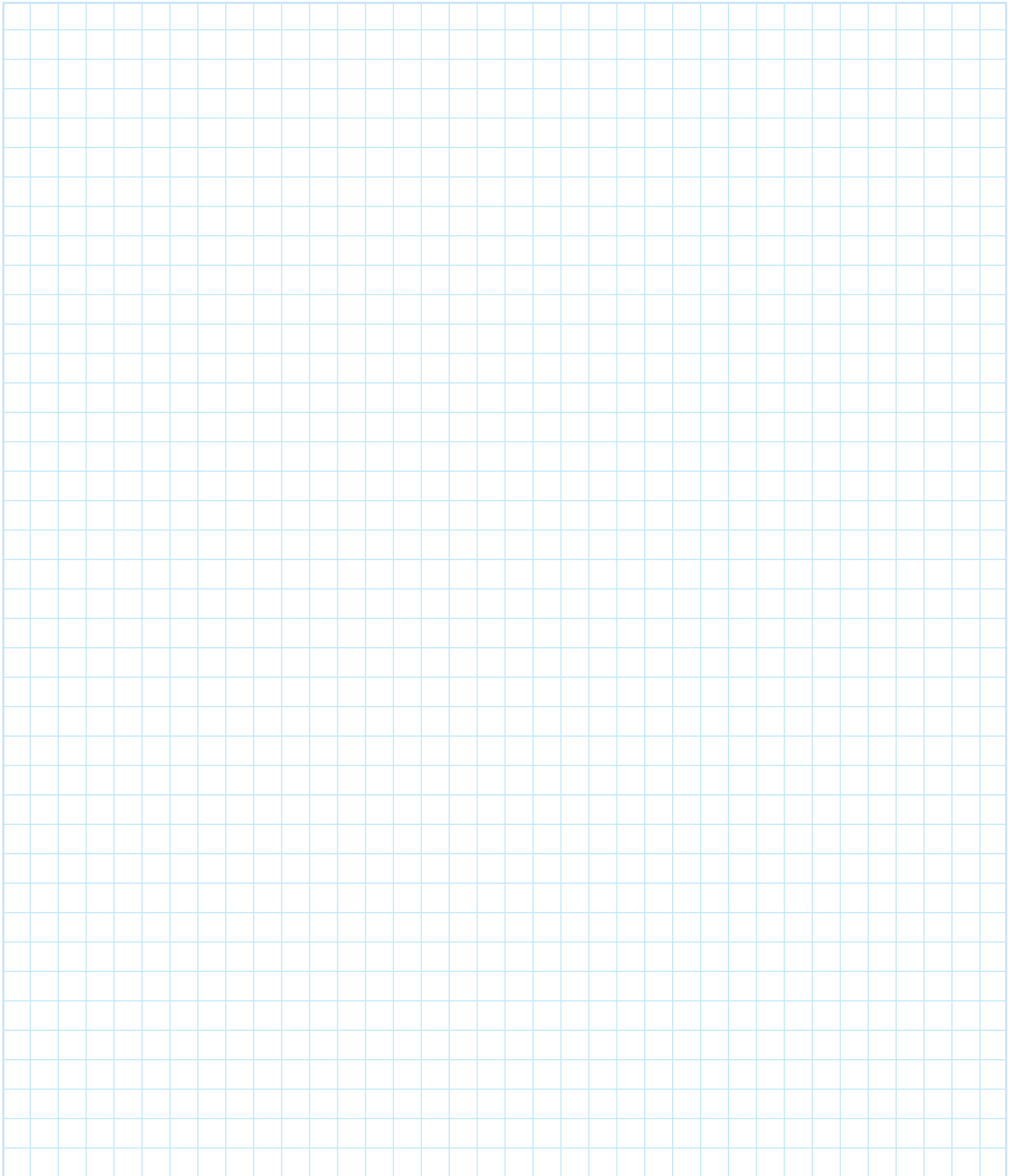
Includes the drawings of all the predefined and modular plan sizes for H300 applications.

TAB-H300

Includes all the predefined and modular plan sizes for H300 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
BL41

Product Codes
BL41-ES-xxx
BL41-ST-xxx

Commercial Names
H300

Document name
CAT-BL41-02

Date
April 2020