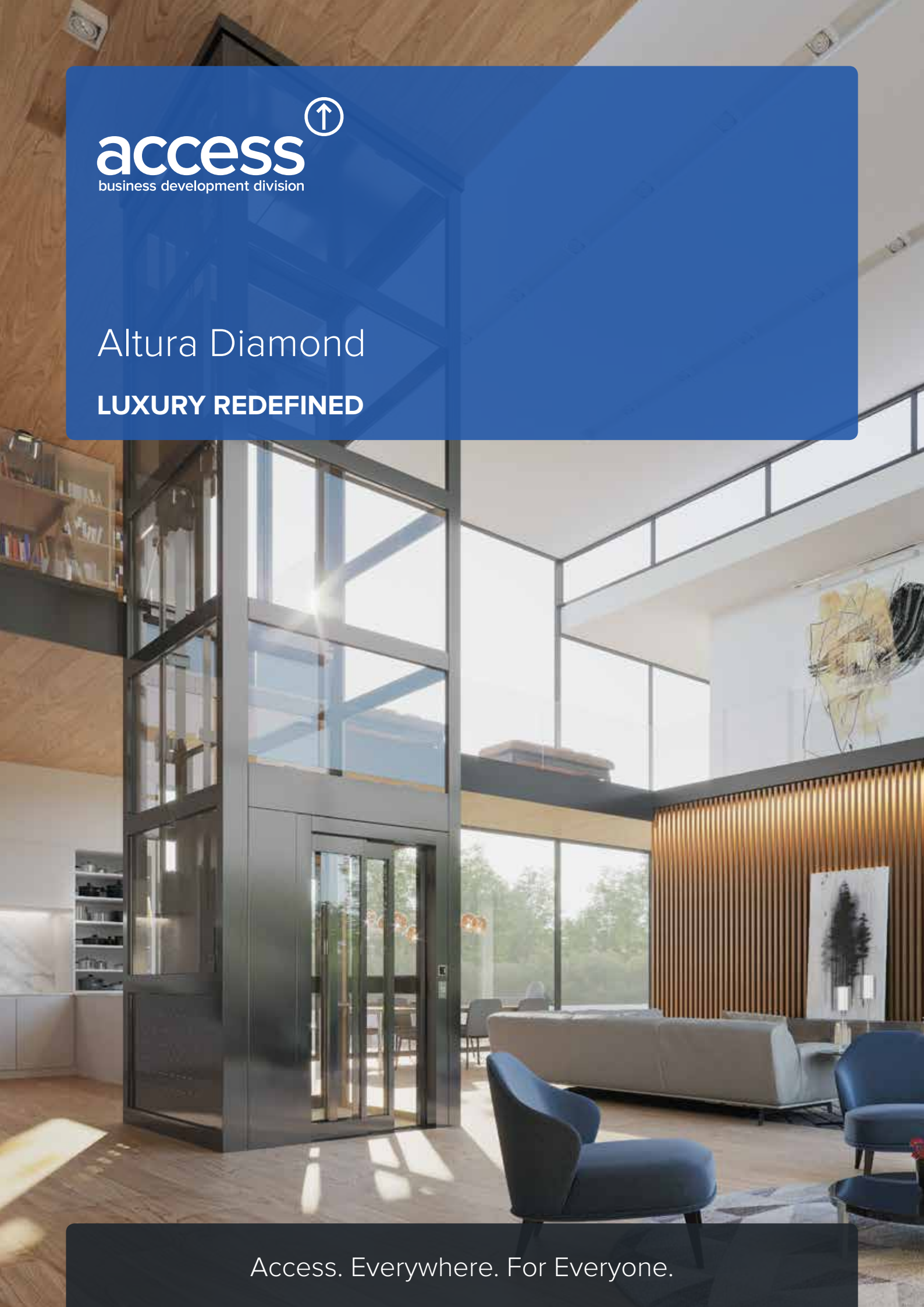


  
**access**  
business development division

Altura Diamond

**LUXURY REDEFINED**



Access. Everywhere. For Everyone.

# Altura Diamond

## LUXURY REDEFINED

### Experience true luxury with the Altura Diamond home lift

Quieter than a silent room, the Altura Diamond home lift brings you the very best in comfort, and has elegant styling to match your home.

Driven by a unique gearless motor and cogbelt system, the Altura Diamond glides between floors, giving you the smoothest and quietest ride imaginable. The sound level inside the lift is lower than the average background noise in a silent room – that's how quiet it is.

The luxurious performance is matched by the Altura Diamond's elegant looks. Choose from an exclusive selection of cabin fittings to define a style for your Altura Diamond that coordinates with your interior.

With an enclosed cabin, one-touch controls and fully automatic sliding doors, the Altura Diamond gives you the features of a full-size elevator, but its compact design means that it can be fitted easily into most buildings.

#### 1 Smooth From Start to Finish

The exceptionally smooth ride in an Altura Diamond lift begins and ends gently with the soft start and stop device fitted on all lifts. Simply press and release your destination button and relax until the doors open again at the end of your ride.

#### 2 Design Your Lift

With an exclusive range of styling options, your Altura Diamond lift can truly become part of your home. Choose one of our Diamond Collection cabins, or create your own design from our range of high-quality finishes for walls, floors, accents, control panel and ceiling.

#### 3 Easy Installation

The Altura Diamond can be installed indoors or outdoors, either in its own self-supporting metallic shaft, or in a masonry shaft. The lift mechanism is fully contained within the shaft and the lift runs on standard mains electricity.

Altura lifts are fully compliant with all relevant European safety standards and are suitable for use in private or public buildings.





Altura Diamond has elevator features contained in the size of a home lift.



The architect who designed our house recommended an Altura Diamond lift. It's a delight to use because it runs so quietly and smoothly – and it looks great in our hallway too”.





The backlit Altura control panel looks stunning, and is easy to use.



# Features

## COMFORT FOR ALL

### Control Panel

The sleek backlit control panel in the cabin is available in a choice of finishes and has a crystal-clear digital display panel for the floor indicators. Floor indicator displays for the landings are also available as an option.

The display panels also give information about the status of the lift, and they show diagnostic codes for easy service and maintenance.

### Designed to Fit

The Altura Diamond is a compact, self-contained lift system, designed to be installed in many different types of building. A flexible range of cabin sizes and door configurations means that your lift will be designed to give the best fit in your available space.



### Clean Technology

The cogbelt system that drives the Altura Diamond is exceptionally clean because it does not require hydraulic fluid or oil. The shaft has no rivets and the panels are silicon-free.

The lift is designed so that servicing and maintenance can be carried out quickly and efficiently.

### Keeping You and Your Family Safe

The lift is protected by a back-up battery power supply. A battery guard continuously monitors the charge level to ensure that there is always enough power in the batteries to run the lift in case of a power-cut.

A handrail, an alarm button and two-way communication are all included as standard. When installed in public buildings, the lift can be secured with a selection of locking options.

# Simplicity Cabin

## LUXURY MADE EASY

The Simplicity Cabin has a clean and streamlined look that blends discreetly into your surroundings.



### Simplicity: Style Options

Walls	Coloured film finish, stainless steel or painted in choice of colour.
Floor	Safety vinyl in choice of three colours
Mirror	Half-wall
Panoramic wall	Half or full-wall, in transparent glass
Lighting	Three LED spotlights
Styling	-
Accents	-
Control panel	Black
Handrail	Black or stainless steel

# Deluxe Cabin

## A WORLD OF CHOICE

Express your style with the elegant finishes and contrasting colour accents in the Deluxe Cabin range. Create your own look, or choose a design from our Diamond Collection.



### Deluxe: Style Options

Walls	Choice of high pressure laminates in different texture effects
Floor	Stone, carpet or vinyl flooring in choice of colours.
Mirror	Slim vertical, half-wall or full-wall
Panoramic wall	Half or full-wall, in transparent glass
Lighting	Choice of LED lighting configurations
Styling	Choose a cabin style from the Diamond Collection or design your own.
Accents	Contrasting corner and central panel accents.
Control panel	Black, mirrored steel or gold
Handrail	Stainless steel or gold

## Diamond Collection: Modern



## Diamond Collection: Classic







MODERN EUROPE



MODERN ASIA



CLASSIC EUROPE



CLASSIC ASIA

## Diamond Collection: Natural



NATURAL AMERICAS



## Diamond Collection: International



INTERNATIONAL CLASSIC





NATURAL EUROPE



NATURAL ASIA



INTERNATIONAL MODERN



INTERNATIONAL NATURAL

# Cabin Options

## GLASS AND MIRRORED WALLS

The Altura Diamond cabin can be fitted with full-height panoramic glass walls, a half-height panoramic wall, or a mirror.

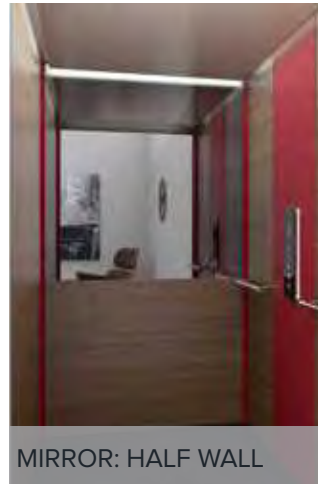
These options are available on both Simplicity and Deluxe cabins and can be fitted on any side of the cabin except for the control panel side or the door sides.



FULL/HALF GLASS WALL



MIRROR: SLIM VERTICAL



MIRROR: HALF WALL



MIRROR: FULL WALL

## Doors



The Altura Diamond has fully automatic sliding doors on the cabin and landings, giving all the comfort and convenience of a standard elevator.

### Sliding Door Options

Sliding doors are available with the following options:

- Glass panels with a stainless steel frame
- Stainless steel
- Steel, painted in your choice of colour
- Steel, finished with coloured or metallic film
- Side opening (2 panels) or central opening (4 panels)

### Folding Doors

Folding doors in the cabin with swing doors on the landings are also offered as an option. In smaller shaft sizes, folding doors can sometimes provide a wider opening, which may be needed for wheelchair access.

# Metallic Shaft

## EASY INSTALLATION

The Altura Diamond has its own free-standing metallic shaft, or it can be installed unobtrusively in a masonry shaft.

The metallic shaft is silicon-free and has a snap-lock fastening system for quick and easy installation. It can be fitted with either plain steel panels, painted in your choice of colour, or with glass panels from the selection below.



### Glass Panels

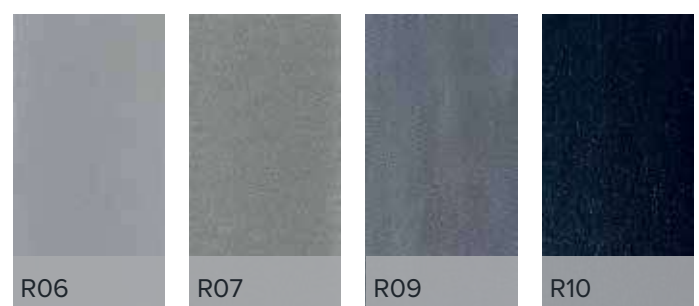
The following options are available for the glass panels in the shaft and in the doors.

Cabin glass walls and half-height windows are always supplied in transparent glass.



### Metallic Colours

In addition to the standard colour range, the following metallic colours are offered for the shaft structure, shaft panels and landing doors.



# Technical Specification

## LUXURY IN EVERY DETAIL

Technical compliance:	Machinery Directive 2006/42/EC Reference standard: EN81-41
Drive system:	Cogbelt and counterweight system driven by a gearless motor
Rated speed:	Europe: max. 0.15 m/s (2006/42/EC). Up to 0.4 m/s outside Europe, where permitted by local regulations.
Travel height:	1100 – 18000 mm
Number of stops:	Max. 6 stops per lift
Doors:	Max. 2 doors per floor / 12 doors per lift
Type of accesses:	Frontal, lateral, opposite or adjacent
Pit:	Metallic shaft: 140 mm. If a pit is not possible the lift can be used with a ramp. Masonry shaft: 140 or 250 mm depending on configuration. See catalogue for details.
Shaft type:	Metallic structural shaft or masonry shaft.
Shaft top height:	Structural shaft - 2450-2630 mm Masonry shaft - 2350-2450 mm
Cabin types:	Fully enclosed with sliding doors or with folding doors
Controls:	Automatic (one-touch) controls on cabin and landing. Call reservation on landings
Application:	Indoor or outdoor
Emergency lowering:	Battery operated emergency lowering with uninterruptible power supply (UPS)
Control voltage:	24 V
Motor:	2.8 kW
Power supply:	1-phase 230 V 50/60 Hz 16 A.
Maximum power:	1.85 kW (when used at 0.15 m/s) 3.5 kW (for up to 0.4 m/s)
Circuit breaker / RCD:	16A tripping curves C / 30 mA class A or B
Rated load:	250 – 400 kg according to cabin size.



### Available platform sizes

Full details of technical specifications, exact dimensions and available plan layouts can be found in the product catalogue.

# Access. Everywhere. For Everyone

## ABOUT ACCESS BDD

When you choose an Access BDD product, you're choosing the best in comfort and luxury, with superior customer support throughout the life of your lift.

Access BDD is a division of thyssenkrupp Access Ltd. We give people around the world the ability to move comfortably around buildings by providing stairlifts, platform lifts and home lifts, which we distribute via a network of carefully chosen business partners. When you choose an Access BDD lift, you're choosing a high-quality product, supported by expert service and advice.

Our partners are all specialists in mobility or elevator products, and they receive extensive technical and commercial training on our products. Your Access BDD partner will guide you through the product options to help you choose a lift that meets your own needs and suits your surroundings. You'll also receive expert advice to ensure that your new lift conforms to relevant accessibility and safety regulations.

Our products are designed for easy installation and maintenance, with everything taken care of by your Access BDD approved partner.



It's nice to deal with a supplier like Access BDD. One who cares and goes the extra mile to ensure we are being looked after, which in turn means we can look after our customers."

When you choose an Access BDD product, you're choosing:

- Comfort and luxury as standard
- Superior technical support and customer service
- The latest technology, customised to meet your needs



Since 1976, we've been simplifying complex choices to help people move around their homes.



Your local Access BDD partner is:





**access**   
business development division

Altura Gold

**DISCOVER LUXURY**



Access. Everywhere. For Everyone.

# Altura Gold

## DISCOVER LUXURY

### Discover the luxury of a home lift with Altura Gold

With its smooth ride and choice of elegant styling options, the Altura Gold home lift brings luxury living to any building.

Premium features come as standard across the Altura range, leaving you free to select the type and size of lift that gives the best solution for your needs. Altura Gold is an open-sided platform enclosed within a metallic shaft, which can be installed in small spaces without compromising on comfort and ease of access.

The Altura Gold has a clean and simple design, highlighted with elegant details, making it an attractive addition to any home. You can choose from a selection of customisable options to coordinate the lift with your interior.

#### 1 A Smooth Ride

Altura Gold is fitted with a soft start and stop device, giving you a smooth and comfortable ride every time you use your lift. Simply press and hold the destination button on the control panel, and let the lift carry you gently up and down through your home.

#### 2 Design Your Lift

With an array of options on offer, the Altura Gold lift can truly become part of your home. Choose from a range of sizes, colours and details for the shaft, walls, floor and doors to create a lift that meets your needs and matches your surroundings.

#### 3 Easy Installation

Altura Gold is designed to fit into small spaces with minimal construction work. The lift is supplied with its own metallic shaft, the lift mechanism fully contained within the shaft. It runs on standard mains electricity and can normally be installed in just a few days.

Altura Gold is fully compliant with all relevant European safety standards.

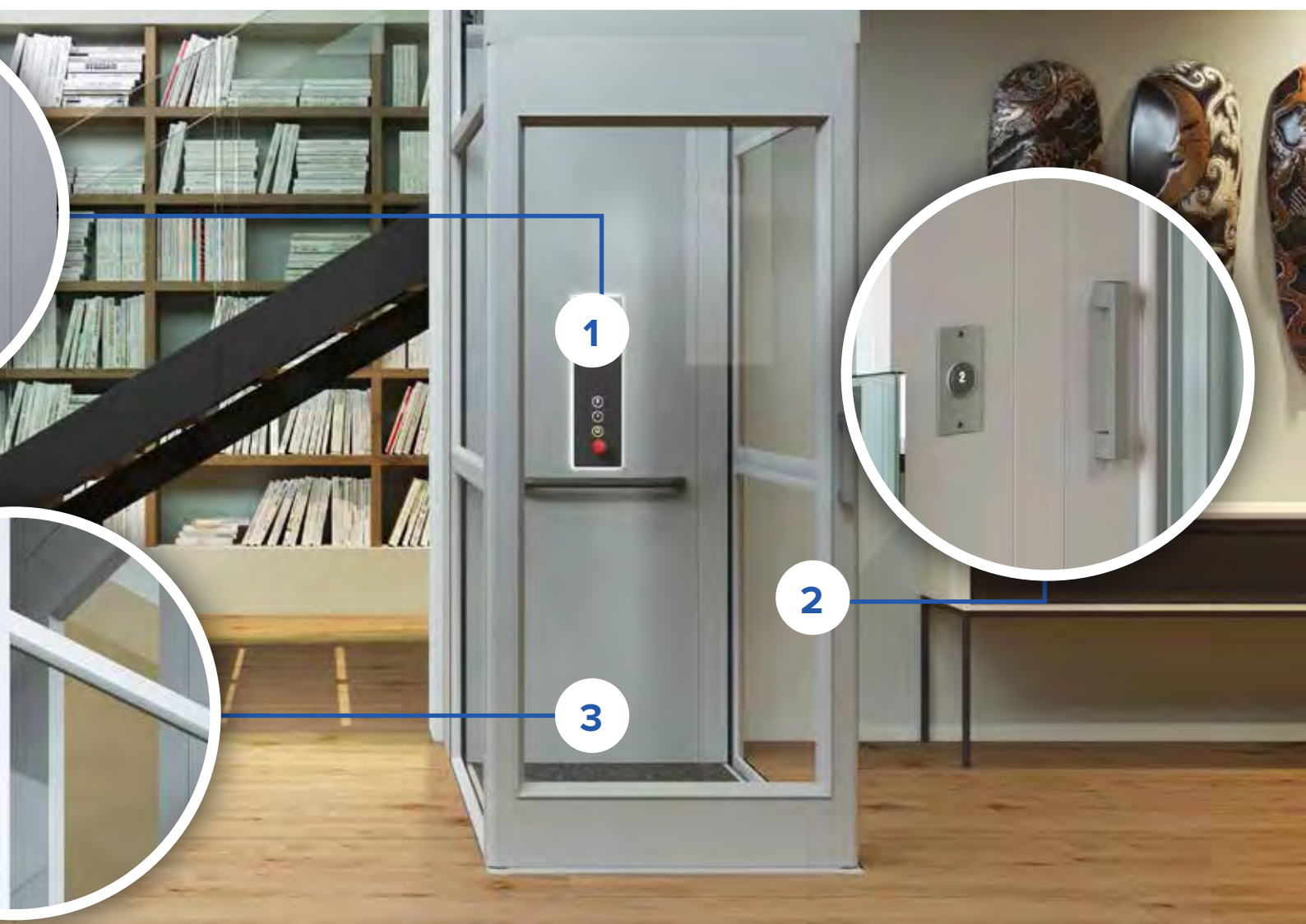




Make your home more comfortable for all the family with the luxury of an Altura Gold.



My wife and I renovated an old house, and of course we wanted to make sure that we could stay in our dream home forever. The Altura Gold lift was the perfect final touch to give us that bit of extra comfort.”





The backlit Altura control panel looks stunning, and is easy to use.



# Features

## COMFORT FOR ALL

### Control Panel

The Altura control panel has been designed to look good while being clear and simple to use. The sleek black panel is illuminated with a soft white backlight. A high-quality colour display shows not only the floor level of the lift but also diagnostic codes, for easy service and maintenance.

### Small and Compact

The mechanism of the Altura Gold is fully contained within the lift shaft; no additional machine room is needed. The shaft can be as compact as 900 x 940 mm.

A small pit of just 50 mm is required. If a pit is not feasible, an access ramp can be supplied.



### Easy Maintenance

When you choose an Altura Gold lift, you're choosing comfort, reliability and easy maintenance. An automatic lubrication system keeps the lift mechanism running smoothly and helps to keep your lift in top condition.

The lift is designed so that servicing can be carried out quickly and conveniently.

### Keeping You and Your Family Safe

In the case of power failure, a battery back-up system will bring your lift safely down to a lower floor. A battery guard monitors the level of charge and ensures that there is always enough power in the battery to operate the back-up system.

A handrail, an alarm button, an emergency stop and two-way communication are all included as standard.

# Options

## DESIGN YOUR LIFT

The Altura Gold lift can be customised to match your home and your personality.

### Platform type



#### Altura Gold: console wall

The most compact version of the Altura Gold has a full height console wall, illuminated by an LED light strip across the top. Safety edges around the floor stop the lift in case of any obstruction.

This model is suitable for residential use only.



#### Altura Gold Pro: console wall with ceiling

This larger version of the Altura Gold consists of a full height console wall and ceiling with three LED spotlights. The open sides of the platform are fitted with photocells for safety.

The Altura Gold Pro is suitable for wheelchair users and conforms to all relevant accessibility standards.

A manual fold-down seat in transparent plexiglass is available as an option.

### Landing doors

The Altura Gold can have one or two landing doors per floor, depending on the platform size. The doors are available with either a panoramic glass panel, or in plain steel and can be painted in a wide choice of colours. A smoke- and fire-proof door is available for the Pro model.

To protect your lift and property from unauthorised access, the landing doors can be fitted with different locking options, using either a standard key or a simple one-touch i-button.

Fully automatic door openers available as an option.



The doors of the Altura Gold home lift can be painted any colour to match your surroundings.



## Console wall

### Plain skinplates

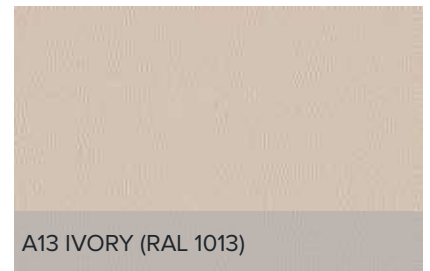
Steel panel with a solid colour textured plastic coating.



A1 WHITE (RAL 9003)



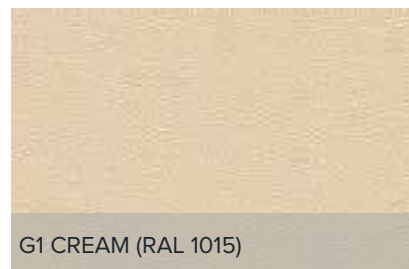
A4 MILK (RAL 9010)



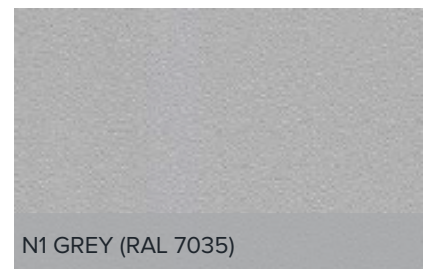
A13 IVORY (RAL 1013)



B13 BLUE (RAL 5024)



G1 CREAM (RAL 1015)



N1 GREY (RAL 7035)



PPS METAL-LIKE (RAL 7037)



PAINTED IN CHOICE OF COLOUR

### Patterned skinplates

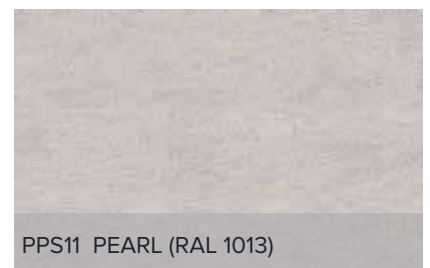
Steel panel coated with lightly patterned smooth finish.



PPS10 FROST (RAL 9003)



PPS1 SILVER (RAL 7035)



PPS11 PEARL (RAL 1013)

### Stainless steel (Gold Pro only)



STAINLESS STEEL SATIN

Actual colours may vary. RAL paint references are given as suggested matches to the skinplate choices.



## Flooring

Altura Gold has a choice of 3 vinyl floor coverings, with life-time non-slip guarantee. The lift can also be supplied without flooring if you want to fit your own.



WHITE



SAND



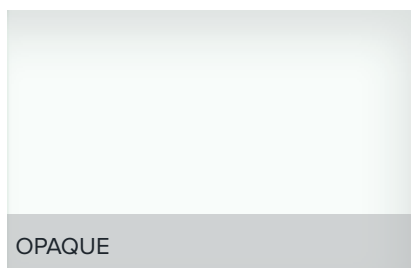
GREY

## Glass and Panels

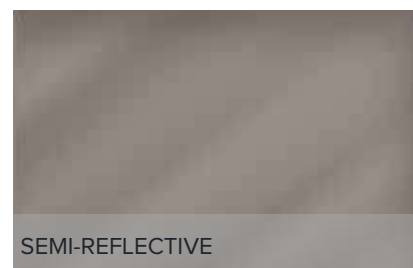
The following options are available for the glass panel in the door and for glass panelling in the shaft.



TRANSPARENT



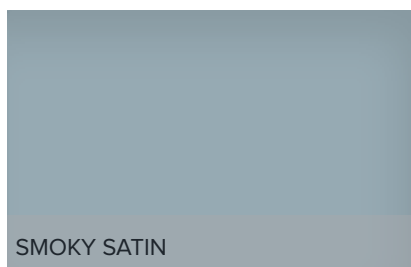
OPAQUE



SEMI-REFLECTIVE



SMOKY GREY



SMOKY SATIN



Shaft with solid panels



Shaft with glass panels

The metallic shaft is available with plain polyurethane panels or with glass panels.

The plain panels and the metallic frame are finished in white as standard, or they can be painted in your choice of colour from the RAL range.

# Technical Specification

## LUXURY IN EVERY DETAIL

Technical compliance: Machinery Directive 2006/42/EC.

Drive system:	Screw/nut system
Rated speed (max.):	0.15 m/s
Travel height:	900 - 12000 mm
Number of stops:	Max. 6 stops per lift
Doors:	1 door per floor / 6 doors per lift Pro - 2 doors per floor / 12 doors per lift
Pit:	50 mm pit. If a pit is not possible, the lift can be used with a ramp.
Console wall height:	2200 mm
Shaft top height:	2430 mm (elongation is possible).
Platform controls:	Hold to run, floor button must be kept pressed during travel.
Landing controls:	One touch call
Application:	Indoor
Emergency lowering:	Battery operated emergency lowering, with battery guard.
Control voltage:	24 V
Motor:	1.5 kW Pro - 2.2 kW
Power supply:	1-phase 230 V 50/60 Hz 16 A
Maximum power:	3 kW Pro - 4.5 kW
Rated load:	250 kg Pro - 325 - 400 kg

### Available sizes

Altura Gold	Altura Gold Pro
800 x 580 mm	1400 x 900 mm
800 x 845 mm	1400 x 1000 mm
800 x 1100 mm	1400 x 1100 mm

Full details of technical specifications, exact dimensions, and available plan layouts can be found in the product catalogue.



# Access. Everywhere. For Everyone.

## ABOUT ACCESS BDD

When you choose an Access BDD product, you're choosing the best in comfort and luxury, with superior customer support throughout the life of your lift.

Access BDD is a division of thyssenkrupp Access Ltd. We give people around the world the ability to move comfortably around buildings by providing stairlifts, platform lifts and home lifts, which we distribute via a network of carefully chosen business partners. When you choose an Access BDD lift, you're choosing a high-quality product, supported by expert service and advice.

Our partners are all specialists in mobility or elevator products, and they receive extensive technical and commercial training on our products. Your Access BDD partner will guide you through the product options to help you choose a lift that meets your own needs and suits your surroundings. You'll also receive expert advice to ensure that your new lift conforms to relevant accessibility and safety regulations.

Our products are designed for easy installation and maintenance, with everything taken care of by your Access BDD approved partner.



It's nice to deal with a supplier like Access BDD. One who cares and goes the extra mile to ensure we are being looked after, which in turn means we can look after our customers."

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- Comfort and luxury as standard
- Superior technical support and customer service
- The latest technology, customised to meet your needs



Since 1976, we've been simplifying complex choices to help people move around their homes.



Your local Access BDD partner is:





Altura Gold Pro

**ACCESS FOR PUBLIC BUILDINGS**



Access. Everywhere. For Everyone.

# Altura Gold Pro

## ACCESS FOR PUBLIC BUILDINGS

Altura Gold Pro is a compact and affordable lifting solution that provides instant accessibility to many types of building. A selection of plan sizes and options allows the Altura Gold Pro to meet your specific needs.

With its metallic shaft, Altura Gold Pro can be installed in either public or private properties, both in new buildings or in renovation projects. It is suitable for shops, offices, restaurants and many other public places, opening up your establishment to all members of the public.

The safety and security features available with Altura Gold Pro are designed to keep your visitors and staff safe when using the lift and to prevent any unauthorised access to the lift or your property.

Altura Gold Pro meets the highest standards of safety and comfort and conforms to all relevant accessibility norms.

### 1 Tailored Solutions

Altura Gold Pro is available in a selection of cabin sizes and entrance configurations, making it an ideal solution in restricted spaces. A selection of design options includes a choice of RAL colours, and a range of wall and floor finishes, ensuring a perfect fit with your surroundings.

### 2 You're in Control

The lift is operated from a stylish black control panel with TFT display and discreet backlighting. The hold-to-run commands give you total control whilst travelling between floors.

### 3 Quick Installation

Depending on your needs and specifications, the Altura Gold Pro can usually be installed within just a few days. The compact and modular design means that the lift can be installed in almost any building, with minimal construction work.

Your safety is of paramount importance to us. Altura Gold Pro complies with European Machinery Directive 2006/42/EC, harmonised norm EN 81-41, and is certified by TÜV.





Altura Gold Pro is certified to Machine Directive 2006/42/EC and conforms to EN81-41



Thanks to our Altura Gold Pro we are now able to welcome wheelchair users to our first floor café. The whole process was very straightforward, and it's made a real difference to our business."



# Designed for you

## MEETING YOUR ACCESSIBILITY NEEDS

The Altura Gold Pro can accommodate a wheelchair user and attendant. Its simple modular design means that it can be installed in many types of building without the need for major structural alterations.

### Accessible platform

The Altura Gold Pro includes a ceiling with three LED spotlights, and has a platform width of 1400 mm. It can be fitted with two doors per floor if needed, giving improved access for wheelchair users.

### Security

When installed in a public or shared environment, the lift can be secured from unauthorised use with a key or with a smart-button, keeping your lift and your property secure.



### Keeping you safe

A two-way communication module is standard on all lifts, and is connected to either the building's land line or the local mobile network.

As an option, the lift can be linked to the building's fire alarm. When the fire alarm sounds, an alert will be displayed on the control panel and the lift will travel automatically to a designated fire exit floor.

### Low maintenance

A patented automatic lubrication system keeps your Altura lift running smoothly, reducing the risk of damage to the machinery.

Diagnostic codes shown on the display screen, and a self-contained service panel ensure that service and maintenance can be carried out quickly and efficiently.





Designed for safety, comfort, ease of use, and low maintenance.



# Technical Specification

## CERTIFIED TO THE HIGHEST STANDARDS

Technical compliance: Machinery Directive 2006/42/EC.  
Conforms to EN81-41

Drive system:	Screw/nut system
Rated speed (max.):	0.15 m/s
Travel height:	900 - 12000 mm
Number of stops:	Max. 6 stops per lift
Doors:	2 doors per floor / 12 doors per lift
Pit:	50 mm pit. If a pit is not possible, the lift can be used with a ramp.
Shaft top height:	2430 mm (elongation is possible).
Platform controls:	Hold to run, floor button must be kept pressed during travel.
Landing controls:	One touch call
Application:	Indoor
Emergency lowering:	Battery operated emergency lowering, with battery guard.
Control voltage:	24 V
Motor:	2.2 kW
Power supply:	1-phase 230 V 50/60 Hz 16 A
Maximum power	4.5 kW
Rated load:	325 - 400 kg

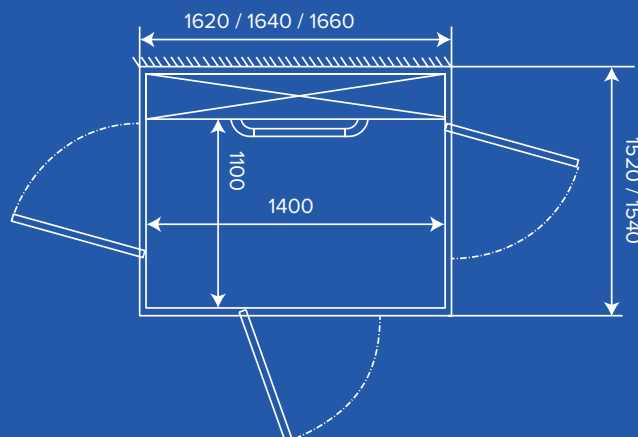


### Available sizes

Platform sizes	Floor space*
1400 x 900 mm	1620/1640/1660 x 1320/1340 mm
1400 x 1000 mm	1620/1640/1660 x 1420/1440 mm
1400 x 1100 mm	1620/1640/1660 x 1520/1540 mm

\*exact size is dependent on door configurations

Full details of technical specifications, available plan layouts and customisable options can be found in the product catalogue.



# Access. Everywhere. For Everyone.

## ABOUT ACCESS BDD

For over 30 years, Access BDD has specialised in making life easier for both private and public customers.

Supplier of stairlifts, inclined platform lifts, vertical platform lifts and home lifts, Access BDD believes that the ability to move around freely shouldn't be something that is taken for granted. Through our wealth of knowledge and experience we have become one of the world's leading suppliers of home accessibility products.

Through our wide array of customisable options on all of our products you can rest assured that your new lift will fit harmoniously into your home or building.

Our extensive engineering heritage means our products are precisely developed to be industry-leading while conforming to all relevant safety guidelines. Our products are designed to be installed quickly and with minimum fuss.



Access BDD has been my platform lift supplier for the last 10 years: their products are second to none.”

When you choose an Access BDD product, you're choosing:

- Industry leading company with a wealth of experience
- Safety and reliability
- Technological innovation



For over 30 years we have specialised in making life easier for both private and public customers.



Your local Access BDD partner is:



EXPERIENCE  
LUXURY

# ALTURA PLATINUM

ACCESS

Experience luxury with the Altura Platinum, a versatile lift for a wide range of applications.

The Altura Platinum is driven by proven and reliable hydraulic technology. Available in a wide range of sizes and configurations, the Altura Platinum is a highly adaptable lift that can be used in a wide range of public and private environments, indoors and outdoors. It is available with its own metallic shaft or can be installed in a masonry shaft.

An Altura Platinum lift can be anything from a simple platform with a console wall and false ceiling to a fully enclosed cabin with sliding doors. Choose from a wide range of door options, wall finishings, ceilings and floors to create the perfect lift for your home or business.

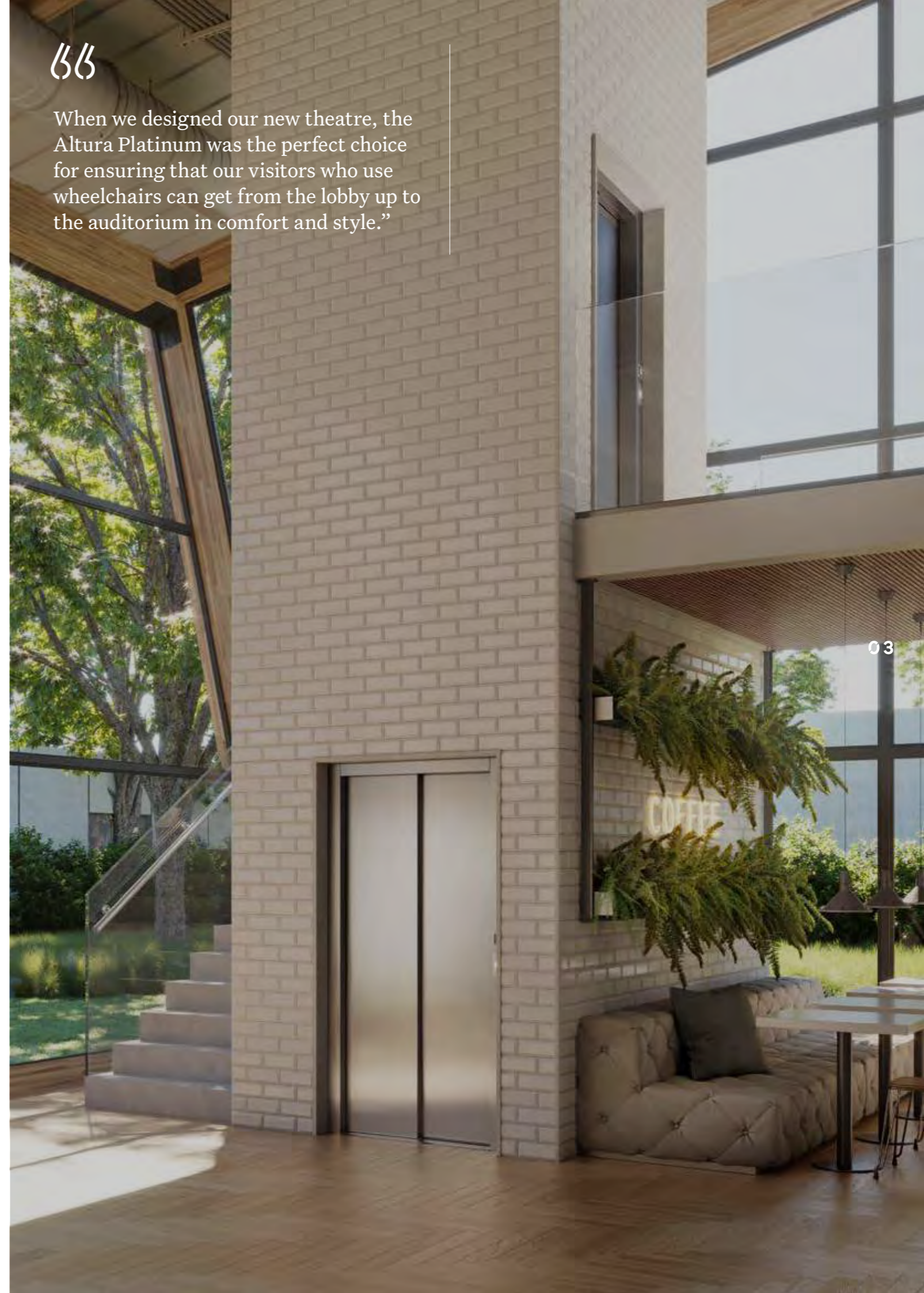
02

**EXPERIENCE LUXURY  
WITH THE ALTURA  
PLATINUM.**

“

When we designed our new theatre, the Altura Platinum was the perfect choice for ensuring that our visitors who use wheelchairs can get from the lobby up to the auditorium in comfort and style.”

03



Altura lifts are fully compliant with all relevant European safety standards and are suitable for use in private or public buildings.

## 1 SMOOTH FROM START TO FINISH

All Altura Platinum lifts are fitted with a soft start and stop device as standard, guaranteeing you an exceptionally smooth ride from the moment you press the floor button on the control panel. For your safety, cabins with open sides are fitted with a hold-to-run control button that must be kept permanently pressed during the ride, whilst the fully enclosed cabin has one-touch controls.

## 2 DESIGN YOUR LIFT

Choose from the wide selection of Altura cabin finishes to create a lift that suits your needs and matches your surroundings. The minimalist Simplicity range offers discreet coordination with its environment and is a good choice with public buildings, whilst the elegance of the Deluxe range will suit any stylish interior.

## 3 EASY TO INSTALL

The Altura Platinum is designed to be installed in just a few days, and when installed in its own shaft, requires minimal construction work. It is offered with eight standard plan sizes or can be custom-made to your required dimensions.

The lift runs on standard mains electricity. Altura lifts are fully compliant with all applicable safety standards.

04

05

1



3



2



ALTURA PLATINUM  
CAN BE CUSTOMISED  
WITH A WIDE  
CHOICE OF COLOURS  
AND FINISHES.





# FEATURES

## COMFORT FOR ALL

1

### Control Panel

The sleek backlit Altura control panel is available in a choice of finishes and has a crystal clear digital display for the floor indicators.

Floor indicator displays for the landings are available as an option. The display panels give information about the status of the lift, and they show diagnostic codes for easy service and maintenance.

2

### Designed to Fit

The Altura Platinum is suitable for installation in public buildings and can be configured to meet the most stringent requirements for accessibility. The self-contained system is simple to install and can be fitted into small spaces in new or existing buildings. Multiple doors per floor are possible and all lifts have a handrail and braille buttons as standard.

For security in public buildings, the lift can be secured with a selection of locking options.

3

### Your Safety and Comfort

All Altura Platinum lifts are fitted with a soft start and stop device, guaranteeing you an exceptionally smooth ride every time. The edges of open-sided cabins are fitted with photocells that will immediately stop the lift if any obstruction extends beyond the edge of the platform, keeping passengers safe at all times.

The lift is protected by a back-up battery power supply. A battery guard continuously monitors the charge level to ensure that there is always enough power in the batteries to run the lift in case of a power-cut.



**THE BACKLIT  
ALTURA CONTROL  
PANEL LOOKS  
STUNNING AND  
IS EASY TO USE.**

# SIMPLICITY CABIN LUXURY MADE EASY

10



The Simplicity Cabin has a clean and streamlined look that blends discreetly into your surroundings.

## SIMPLICITY: STYLE OPTIONS

Walls	Coloured film finish (skinplate), stainless steel or painted in choice of colour
Floor	Safety vinyl in choice of three colours
Mirror	Half-wall
Panoramic Wall	Half or full-wall, in transparent glass
Lighting	Three LED spotlights
Styling	-
Accents	-
Control Panel	Black
Handrail	Black or stainless steel

11

# SIMPLICITY CABIN: WALLS

Solid Colour Finish (RAL colour reference is our recommended paint match)



A1 White (RAL 9003)



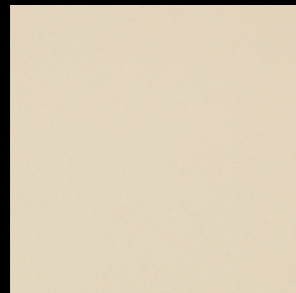
A4 Milk (RAL 9010)



A13 Ivory (RAL 1013)



B13 Blue (RAL 5024)



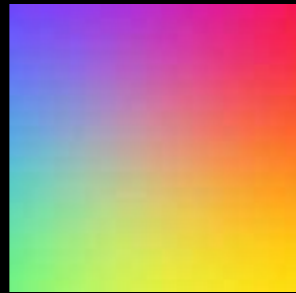
G1 Cream (RAL 1015)



N1 Grey (RAL 7035)



PPS Metal-Like  
(RAL 7037)

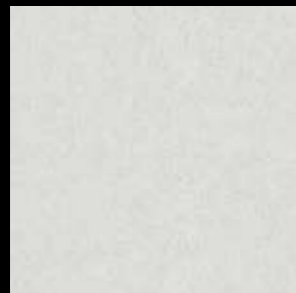


Painted in your colour  
of choice

12

## Patterned Skinplates

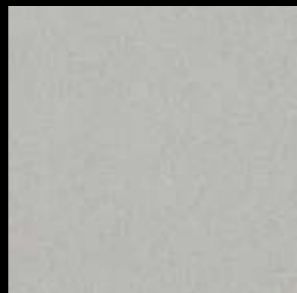
Steel panel coated with lightly patterned smooth finish plastic skin



PPS10 Frost (RAL 9003)



PPS11 Pearl (RAL 1013)



PPS1 Silver (RAL 7035)

## Stainless Steel



Stainless Steel Satin



Stainless Steel Linen

# FLOORING

Altura Platinum has a choice of 3 vinyl floor coverings, with life-time non-slip guarantee. The lift can also be supplied without flooring if you want to fit your own.



White



Sand



Grey

13

# DELUXE CABIN

A WORLD  
OF CHOICE

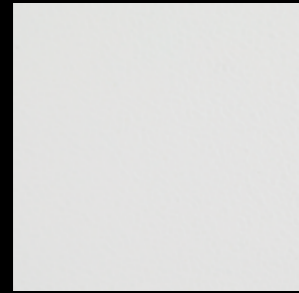
## DELUXE CABIN : A WORLD OF CHOICE

<b>Walls</b>	Choice of high pressure laminates in different texture effects
<b>Floor</b>	Stone, carpet or vinyl flooring in choice of colours
<b>Mirror</b>	Slim vertical, half-wall or full-wall
<b>Panoramic Wall</b>	Half or full-wall, in transparent glass
<b>Lighting</b>	Choice of LED lighting configurations
<b>Styling</b>	Choose a cabin style from the Diamond Collection or design your own
<b>Accents</b>	Contrasting corner and central panel accents
<b>Control Panel</b>	Black, mirrored steel or gold
<b>Handrail</b>	Stainless steel or gold

Express your style with the elegant finishes and contrasting colour accents in the Deluxe Cabin range.

# DELUXE CABIN : CENTRAL PANEL AND CORNER ACCENTS

Solid Colour Finish (RAL colour references)



9003 White



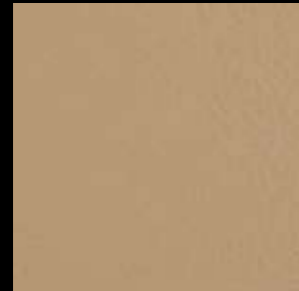
7035 Grey



7012 Dark Grey



7021 Grey-Black



1019 Beige



3003 Red



6011 Green



5024 Pale Blue

## Stainless Steel Finish



Satin



Mirror



Gold Effect

16

## FLOORING Granite



White  
Carpet



Sand



Grey



Black



White



Sand



Grey

# WALLS

High-pressure laminate or stainless steel panels

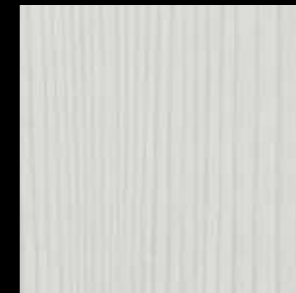
Wood Effect Laminate



4303 - Dark Wood



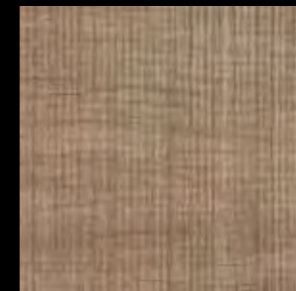
4367 Bright Wood



4515 Bright Wood



4511 Warm Wood



4533 Bright Wood

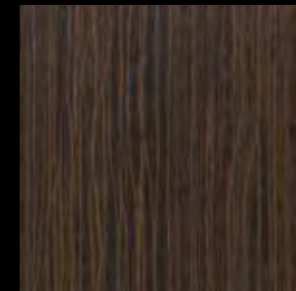
## Textured Effect Laminate



Silk - TX 2606



Linen - TX 3318



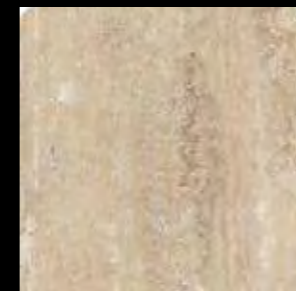
Woodgrain - TX 4485

17

## Stone Effect Laminate



Concrete 1 - CR 3331



Concrete 2 - CR 546



Limestone - CR 868



Marble - CR 585

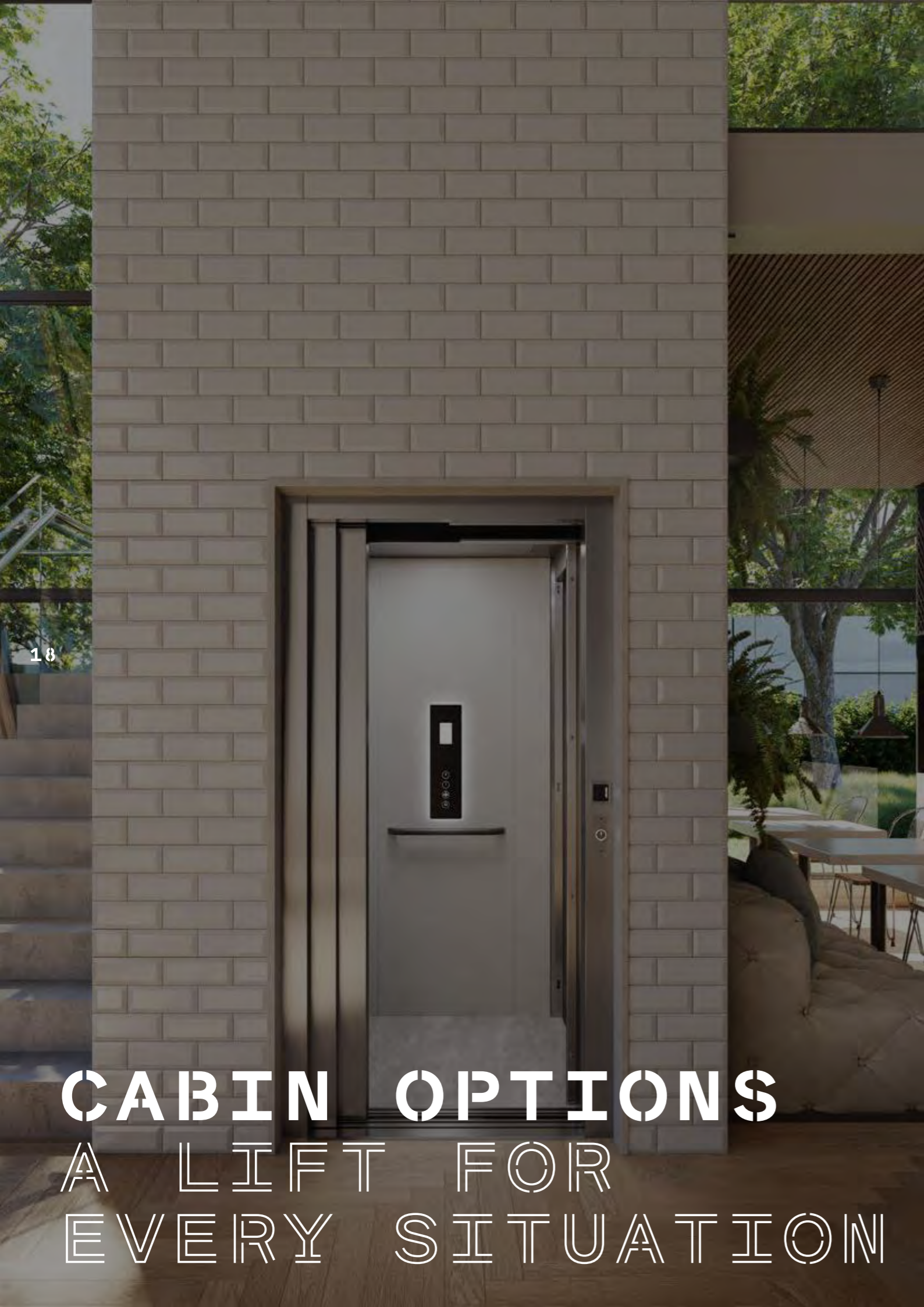
## Stainless Steel



Satin



Mirror



# CABIN OPTIONS

## A LIFT FOR EVERY SITUATION

Altura Platinum lifts are available in a range of cabin configurations. Choose from open sided cabins with one, two or three walls or a fully enclosed cabin.

Cabins with open sides are fitted with hold-to-run controls whereas fully enclosed cabins have one-touch controls like a traditional elevator.



Full/Half Glass Wall



Mirror: Slim Vertical



Mirror: Half Wall



Mirror: Full Wall

### DOORS



The Altura Platinum has the option of fully automatic sliding doors on the cabin and landings, giving all the comfort and convenience of a traditional elevator.

#### Open cabins

The landing accesses are fitted with swing doors.

#### Enclosed cabins

The fully enclosed cabin is offered with two different door configurations:

- + Automatic sliding doors on cabin and landings.
- + Automatic folding doors on the cabin and swing doors on the landings.

All doors can be painted in a choice of colour, and are available with optional glass panels. See the Altura catalogue for full details.

THE ALTURA  
PLATINUM HAS  
ITS OWN METALLIC  
SHAFT, OR IT  
CAN BE INSTALLED  
UNOBTRUSIVELY IN  
A MASONRY SHAFT.

# METALLIC SHAFT

EASY  
INSTALLATION

The metallic shaft has a snap-lock fastening system for quick and easy installation. It can be fitted with either plain steel panels painted in your choice of colour, or with glass panels from the selection below.

### Glass Panels

The following options are available for the glass panels in the shaft and in the doors.

Cabin glass walls and half-height windows are always supplied in transparent glass.



Transparent



Opaque



Semi-Reflective



Smoky Grey



Smoky Satin

### Metallic Colours

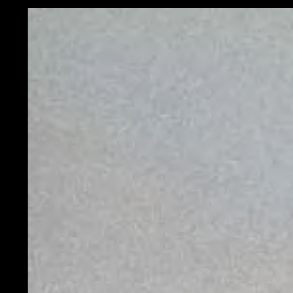
In addition to the standard colour range, the following metallic colours are offered for the shaft structure, shaft panels and landing doors.



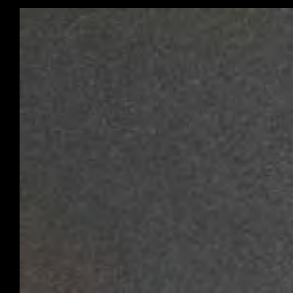
R06



R07



R09



R10

ENJOY THE VIEW  
FROM AN OUTDOOR  
ALTURA PLATINUM  
LIFT FITTED WITH  
GLASS PANELS.

22

23





# TECHNICAL SPECIFICATION

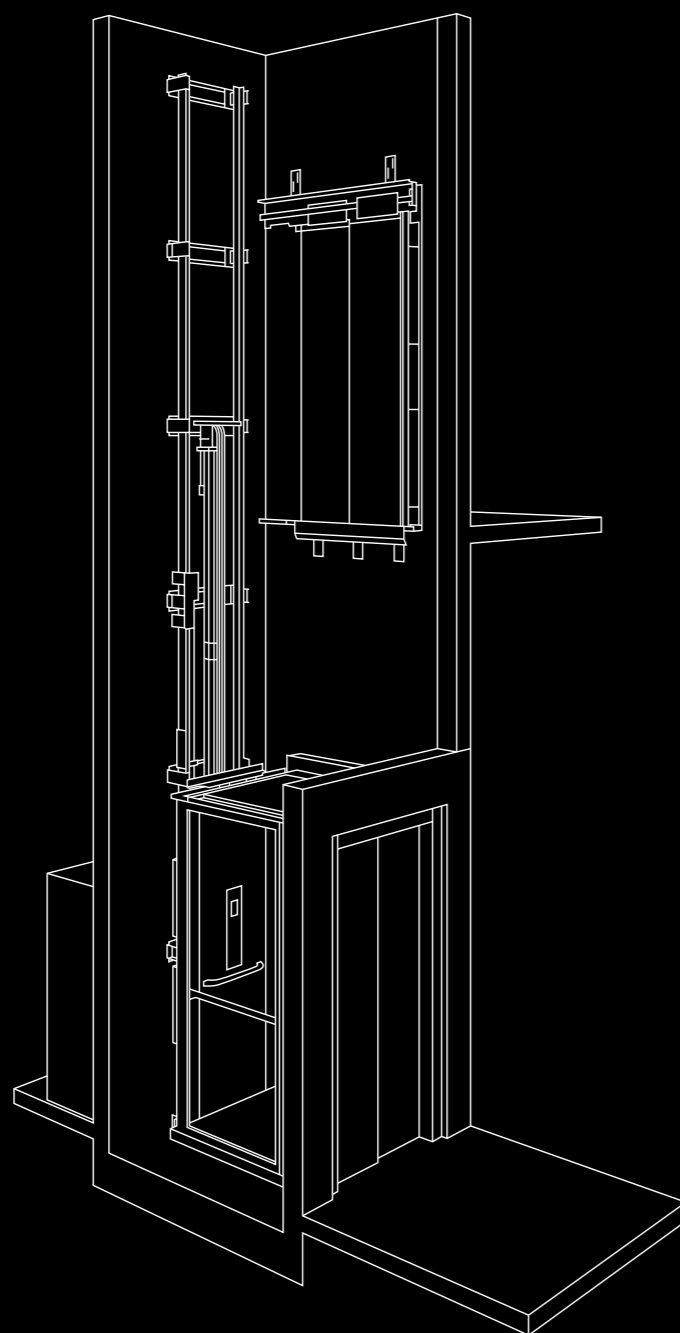
## LUXURY IN EVERY DETAIL

### AVAILABLE PLATFORM SIZES

Full details of technical specifications, exact dimensions and available plan layouts can be found in the product catalogue.

### SPECIFICATION

<b>Technical Compliance</b>	Machinery Directive 2006/42/EC Reference standard: EN81-41
<b>Drive System</b>	Hydraulic control unit with indirect chain action
<b>Rate Speed</b>	Europe: max. 0.15 m/s (2006/42/EC).
<b>Travel Height</b>	Open cabin 900 - 15100 mm Enclosed cabin 900 - 13600 mm
<b>Number of Stops</b>	Max. 6 stops per lift
<b>Doors</b>	Max. 2 doors per floor/ 12 doors per lift
<b>Type of Accesses</b>	Frontal, lateral, opposite or adjacent
<b>Pit</b>	120mm. If a pit is not possible, the lift can be used with a ramp.
<b>Shaft Type</b>	Metallic structural shaft or masonry shaft.
<b>Shaft Top Height</b>	Open cabin: minimum 2100 mm depending on shaft type and doors. See catalogue.  Enclosed cabin with folding doors: minimum 2240 mm  Enclosed cabin with sliding doors: minimum 2450 mm
<b>Controls</b>	Open cabin: Hold-to-run Enclosed cabin: Automatic (one-touch) Automatic controls on landings.
<b>Application</b>	Indoor or outdoor
<b>Emergency Lowering</b>	Battery operated emergency lowering
<b>Control Voltage</b>	24V
<b>Power Supply</b>	1-phase 230V 50/60Hz
<b>Maximum Power</b>	3kW
<b>Circuit Breaker/RCD</b>	16A tripping curves C/ 30mA class A or B
<b>Rated Load</b>	250-450kg depending on cabin size.



# ABOUT ACCESS

26

Access BDD is a division of thyssenkrupp Access Ltd. We give people around the world the ability to move comfortably around buildings by providing stairlifts, platform lifts and home lifts, which we distribute via a network of carefully chosen business partners. When you choose an Access BDD lift, you're choosing a high-quality product, supported by expert service and advice.

Our partners are all specialists in mobility or elevator products, and they receive extensive technical and commercial training on our products. Your Access BDD partner will guide you through the product options to help you choose a lift that meets your own needs and suits your surroundings. You'll also receive expert advice to ensure that your new lift conforms to relevant accessibility and safety regulations.

Our products are designed for easy installation and maintenance, with everything taken care of by your Access BDD approved partner.

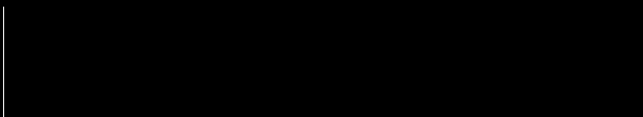
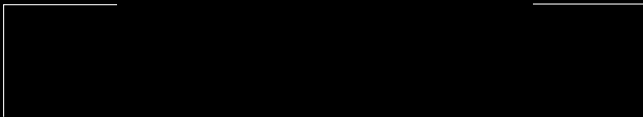


27

**SINCE 1976 WE'VE  
BEEN SIMPLIFYING  
COMPLEX CHOICES  
TO HELP PEOPLE  
MOVE AROUND  
THEIR HOMES.**

Access BDD is one of Europe's leading suppliers of stairlifts, platform lifts and home lift solutions.

Your local Access BDD partner is:



FOR STRAIGHT  
AND CURVED  
STAIRCASES

# FLOW 2

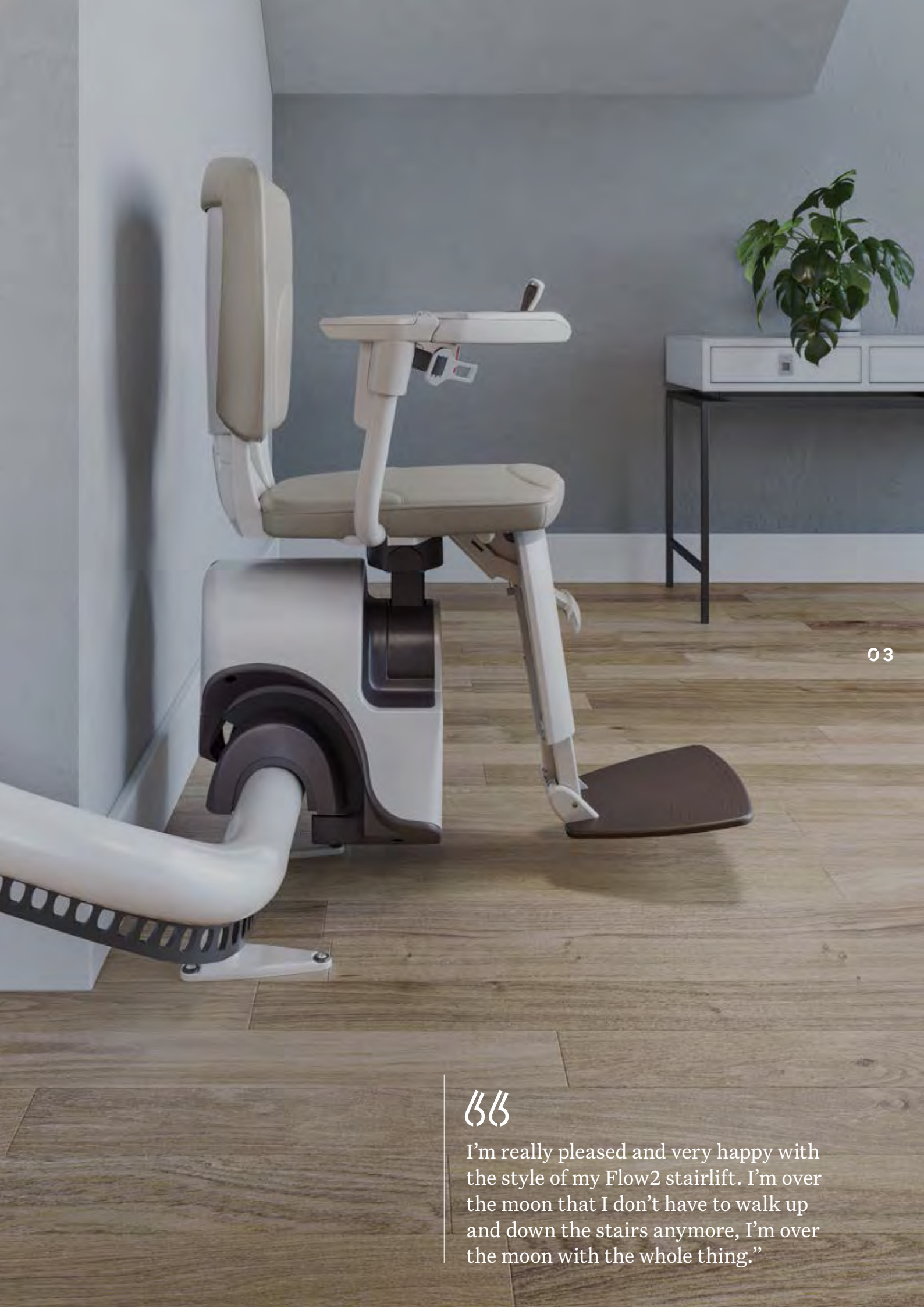
ACCESS



**THE FLOW2 SINGLE  
RAIL STAIRLIFT  
IS THE MARKET  
LEADER WHEN IT  
COMES TO CURVED  
STAIRLIFTS AND  
IS THE SMARTEST  
LIFT OF ITS TYPE**

**02**

The award-winning Flow2 stairlift can be truly considered one of the world's leading stairlifts. The Flow2 is fitted onto your staircase and not your wall allowing the lift to be installed quickly, easily and with minimal disruption to your home.



“

I'm really pleased and very happy with the style of my Flow2 stairlift. I'm over the moon that I don't have to walk up and down the stairs anymore, I'm over the moon with the whole thing.”

1

## IT'S ALL ABOUT YOU

Designed with you in mind, the Flow2 has an ergonomically-shaped seat which provides you with an enjoyable and comfortable ride. The Flow2 is available in a number of finishes and colour options that allow you to match it to the style of your home. Choose from fabric, vinyl and leather seat covers and a range of different rail colours.

2

## COMPACT AND DISCREET

When not in use the Flow2 is folded away to only 340 mm on any landing, out of the way of other staircase users. The Flow2 has a single discreet rail that closely follows the line of your stairs and can be fitted on either side of your staircase.

2



04

3

## SAFETY

Your safety is of paramount importance to us. The Flow2 stairlift is certified to machine directive 2006/42/EG and BS EN 81-40. The seat is adjusted in height so you can get on and off safely at the top or bottom landing. During travel the seat belt and optional wrap-around armrests keep you secure on the stairlift.

3



Manufactured using the very latest technology, the Flow2 can be installed on nearly any type of staircase. The automatic swivel and levelling technology (ASL) allows the Flow2 to be fitted on staircases as narrow as 610 mm. This feature, unique to the Flow2, enables your stairlift to turn while in motion, making it one of the most adaptable stairlifts in the world.





A close-up photograph of a chair's base mechanism. The base is made of light-colored wood and is mounted on a white plastic frame. The frame has a U-shaped base with a central vertical post. The mechanism is shown on a light-colored wooden floor. The text 'ASL' is overlaid on the left side of the image.

**ASL**

ADVANCED

06 SWIVEL AND

LEVELLING

TECHNOLOGY

ASL technology enables the Flow2 stairlift to rotate and stay perfectly level while in motion. By rotating during travel, you're always in the safest and most comfortable position.



1

**The seat is always in the correct position to get on and off safely**

The Flow2 swivels as it travels, this means that getting on and off the lift at either end of the staircase is quick and easy. At the top of the staircase the seat can rotate away from the open staircase, allowing a safe exit from the seat.

2

**Constantly working to save you time and provide safety and comfort**

ASL technology operates while the lift is moving. Therefore you avoid additional stops and swivel movements at the beginning, during and at the end of the ride. This saves time and provides additional safety and comfort. The lift really moves in one "Flow".

3

**Internal or external rail on the narrowest and steepest stairs**

Even in cases where the staircase is narrow and steep, the Flow2 can be installed closer to the step and on either side of the staircase. Your stairlift will be less obtrusive and your staircase remains accessible for other family members in your home.

4

**Unique technology that can only be found with the Flow2**

Your well-being is important to us – when you choose ASL technology the footrest swivels with the seat ensuring your legs and feet remain in a natural and comfortable position, relieving any additional strain on your joints.



**ASL TECHNOLOGY  
ALLOWS THE RAIL  
TO BE KEPT AS  
LOW AS 62 MM ON  
A WIDE VARIETY  
OF STAIRCASE  
STYLES AND  
CONFIGURATIONS**

09



# OPTIONS

10

IT'S ALL  
ABOUT YOU

When you choose the Flow2 stairlift, you ensure the best fit for your staircase. With a single discreet rail, this stairlift can be tailor-made to fit any staircase.

# RAIL



## Standard Drop Nose

The standard drop nose is the perfect solution if there is an obstruction such as a door near to the bottom of the stairs. The drop nose requires just 175 mm of space from the bottom step.



## Vertical 'Short-Start' Drop Nose

Where space is even tighter at the bottom the 'short-start' drop nose can be installed, needing only 100 mm of space from the bottom step.



## Horizontal Overrun

Where you have extra space at the bottom of the stairs the horizontal overrun allows the chair to be parked away from the bottom step.



## Parking Curve

A parking curve allows the chair to be parked neatly out of the way of the stairs.

# COLOUR



Grey



White/Grey



Beige/Brown



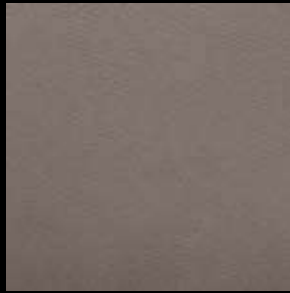
Brown/Grey

# UPHOLSTERY

## Vinyl



Red



Grey



Maroon



Sisal

## Fabric



Dark Brown



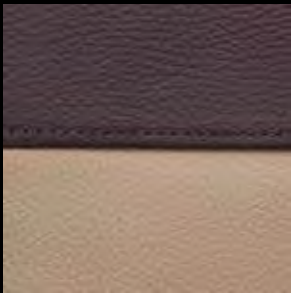
Beige



Red

12

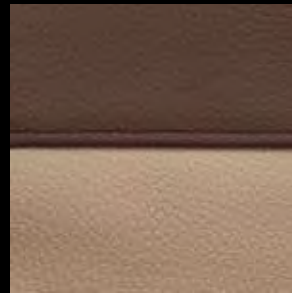
## Elegant Leather



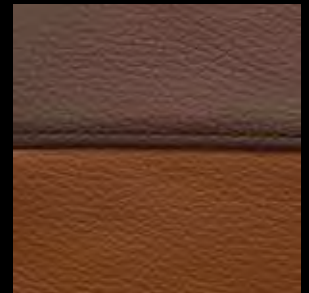
Aubergine-Beige



Beige-Grey



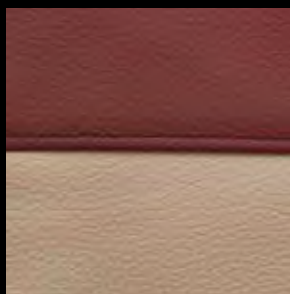
Brown-Beige



Brown-Cognac



Brown-Grey



Red-Beige

## Deluxe Leather



Beige



Dark Brown



Dark Red

## ARMREST



Straight



Curved

13

## JOYSTICK & CALL DEVICE



Joystick



Call Device



# CALL & PARK

14

YOU'RE IN  
CONTROL

Remote control units at the top and bottom of the stairs are used to call your lift and to send it to a parking point when not in use.





CARS

THE WALKER STORY TELLER  
THE WALKER STORY TELLER  
THE WALKER STORY TELLER

Finnish  
Architecture  
with an Edge

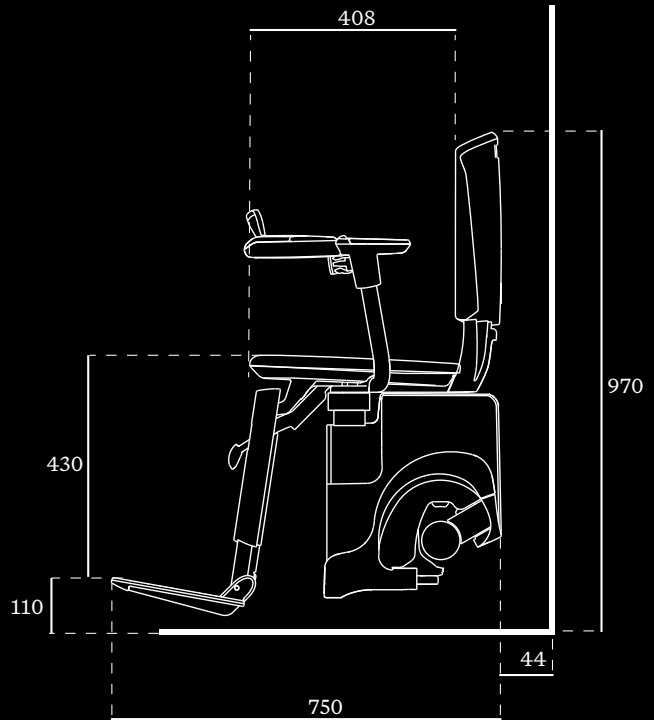
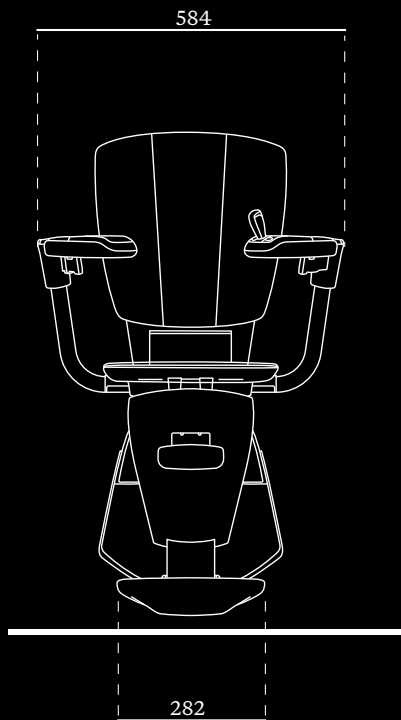
THE WALKER STORY TELLER  
THE WALKER STORY TELLER  
THE WALKER STORY TELLER

THE FLOW2  
STAIRLIFT CAN  
BE INSTALLED  
ON STAIRCASES  
AS NARROW AS  
610 MM AND AS  
STEEP AS 70°



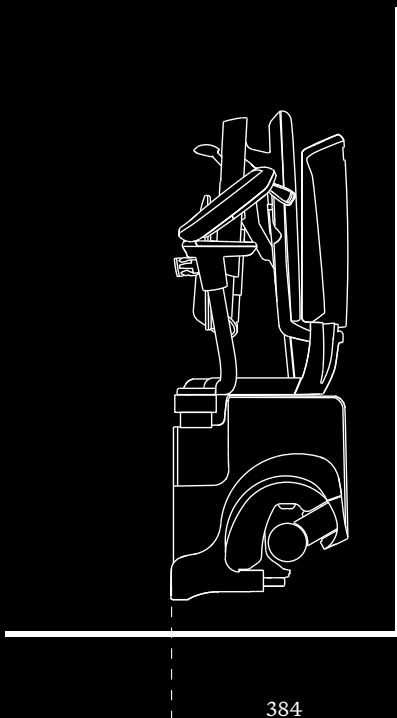
# TECHNICAL SPECIFICATION CERTIFIED TO THE HIGHEST STANDARDS

18



# SPECIFICATION

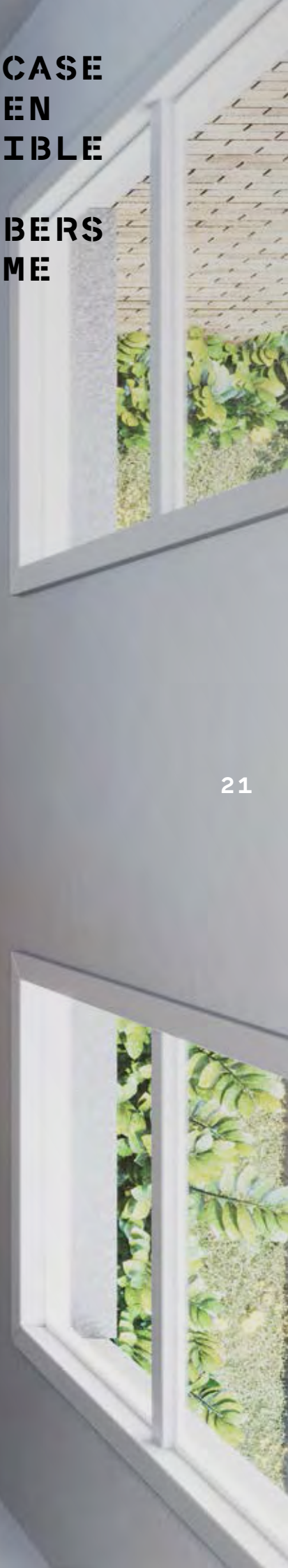
Speed	Max 0.15 m/s
Drive Type	Rack and pinion
Motor Wattage	350 W – Drive Motor 350 W – Horizontal Motor
Weight Capacity	125 kg
Batteries	2 × 12 V batteries; total 24V
Operation	Joystick control as standard
Staircase Incline	Up to 70°
Certification	Machine Directive 2006/42/ EG BS EN 81-40
Automatic Stop	Yes
Footrest	Yes
Retractable Safety Belt	Yes



The Flow2 stairlift is one of the most reliable products I've had the pleasure of working with."



**YOUR STAIRCASE  
REMAINS OPEN  
AND ACCESSIBLE  
FOR OTHER  
FAMILY MEMBERS  
IN YOUR HOME**





# ABOUT ACCESS

22

Access BDD is a division of thyssenkrupp Access Ltd. We give people around the world the ability to move comfortably around buildings by providing stairlifts, platform lifts and home lifts, which we distribute via a network of carefully chosen business partners. When you choose an Access BDD lift, you're choosing a high-quality product, supported by expert service and advice.

Our partners are all specialists in mobility or elevator products, and they receive extensive technical and commercial training on our products. Your Access BDD partner will guide you through the product options to help you choose a lift that meets your own needs and suits your surroundings. You'll also receive expert advice to ensure that your new lift conforms to relevant accessibility and safety regulations.

Our products are designed for easy installation and maintenance, with everything taken care of by your Access BDD approved partner.

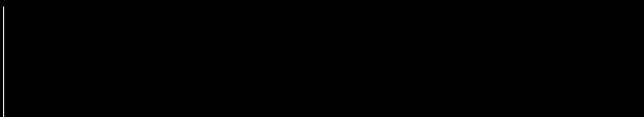
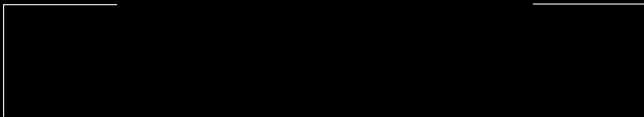




**SINCE 1976 WE'VE  
BEEN SIMPLIFYING  
COMPLEX CHOICES  
TO HELP PEOPLE  
MOVE AROUND  
THEIR HOMES**

Access BDD is one of Europe's leading suppliers of stairlifts, platform lifts and home lift solutions

Your local Access BDD dealer is:



A WORLD  
OF LUXURY

# ALTURA HOME LIFTS

ACCESS

PRODUCT  
CATALOGUE

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# OVERVIEW

04

# A WORLD OF LUXURY



**THE LUXURIOUS  
ALTURA HOMELIFT  
FAMILY FROM  
ACCESS BDD OFFERS  
FLEXIBLE SOLUTIONS  
FOR DOMESTIC  
AND PUBLIC LIFT  
REQUIREMENTS.**

**05**

The Altura range provides homelifts with three different lifting technologies, sharing common design and technical features, offering a complete one-stop-shop for homelifts.

Choosing your homelift is simple:

1. Decide which lift type is best suited for your requirements, your budget and the space available. Consult your local Access BDD partner who will be able give you any advice that you need when making your decision.
2. Choose the cabin type and finishing to match your Altura lift to your environment.
3. Your Access BDD partner will guide you through the order and installation process.





## ALTURA GOLD BALL SCREW

**Discover the luxury of a home lift with Altura Gold.**

Altura Gold has an open-sided platform, with hold-to-run controls, and driven by a simple screw and nut system. It can be installed in small spaces without compromising your comfort or ease of access.

The Altura Gold comes with its own enclosed shaft and is designed for indoor use only. The smallest sizes are for residential use and the larger Gold Pro version can be used in public buildings and for wheelchair access.



## ALTURA PLATINUM HYDRAULIC

**Experience luxury with the Altura Platinum, a versatile lift with a wide range of applications.**

The Altura Platinum is driven by proven and reliable hydraulic technology. The large selection of sizes and configurations makes the Altura Platinum highly adaptable, and suitable for use in public and private environments, indoors and outdoors. It is available with its own free-standing shaft or can be installed in a masonry shaft.

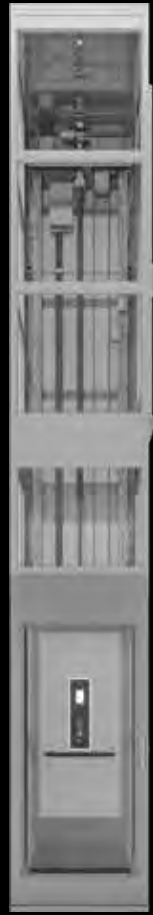


## ALTURA DIAMOND COGBELT

**Altura Diamond redefines homelift luxury.**

Driven by innovative cogbelt technology, the Altura Diamond is quieter than a silent room. The luxurious details make it a stylish addition to any environment.

The Altura Diamond has a fully enclosed cabin, with one-touch operation and automatic doors. The lift is supplied with its own metallic shaft or can be installed in a masonry shaft, and it can be used indoors or outdoors.



**Gold**

**Platinum**

**Diamond**

	<b>Gold</b>	<b>Platinum</b>	<b>Diamond</b>
<b>Drive mechanism</b>	Screw/nut	Hydraulic	Cogbelt
<b>Installation</b>	Indoor only	Indoor or outdoor	Indoor or outdoor
<b>Shaft type</b>	Metal shaft	Metal or masonry shaft	Metal or masonry shaft
<b>Public use</b>	Gold Pro only	Yes	Yes
<b>Cabin type</b>	Gold: platform with console wall Gold Pro: platform with console wall and ceiling	Console wall with ceiling, open-sided cabin or fully enclosed cabin	Fully enclosed cabin
<b>Cabin finishings</b>	Simplicity	Simplicity or deluxe	Simplicity or deluxe
<b>Mirror</b>	No	Yes	Yes
<b>Glass walls</b>	No	Yes	Yes
<b>Swing doors</b>	Yes	Yes	Yes
<b>Sliding doors</b>	No	Yes	Yes
<b>Cabin operation</b>	Hold-to-run	Open sided: hold to run Enclosed cabin: automatic	Automatic (one-touch)
<b>Control panel with colour display</b>	Yes	Yes	Yes
<b>Landing control panel with colour display</b>	Optional	Optional	Optional



08

# CABIN TYPES





# ALTURA GOLD

FULL HEIGHT  
CONSOLE WALL

10



### Console wall

The Altura Gold platform has a full height console wall. The control panel, communication device and a handrail are always fitted on the console wall.

When in use, the platform is illuminated with an LED light strip across the top of the console wall.

The following options are available for the console wall:

- choice of solid colour or patterned skinplates
- painted in any RAL colour

The full range of finishings is shown on pp. 26–27.

### Console wall dimensions

Width: 800 mm

Height: 2200 mm

### Platform

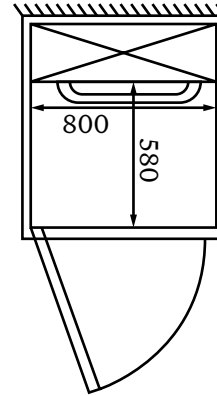
The platform is covered with a vinyl flooring in a choice of colours (see p. 27). It is fitted with safety edges on the three open sides. If an object or person is too close to the edge of the platform, they will be detected by the safety edge, and the lift will immediately stop.

### Platform Sizes

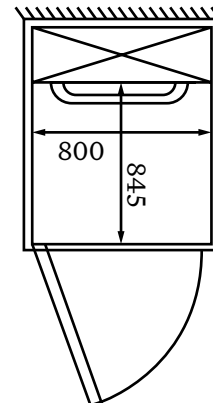
Doors on sides A and C are only possible for the 800 × 1100 platform.

Minimum distance between intermediate floors:

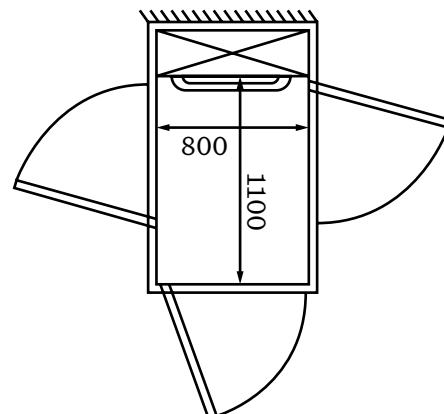
- Opposite access (A/C sides): 250 mm
- Adjacent (A/B or B/C) or same side (A, B or C): 2300 mm



800 × 580



800 × 845



800 × 1100



# ALTURA GOLD PRO

## CONSOLE WALL

### WITH CEILING



### Console wall

The Altura Gold Pro platform has a full height console wall and a ceiling supported by two posts. The control panel, communication device and a handrail are located on the console wall.

The platform is illuminated with three LED spotlights in the ceiling.

The following options are available for the console wall:

- choice of solid colour or patterned skinplates
- stainless steel (satin)
- painted in any RAL colour

The full range of finishings is shown on pp. 26–27.

### Console wall dimensions

Width: 1400 mm

Height: 2100 mm

### Platform

Provided with vinyl floor in a choice of colours. Two photocells are placed on each of the upright posts. If an object or person is too close to the edge of the platform, the photocell beam will be broken and the lift will immediately stop.

### Fold down seat

A manually folding seat can be ordered as an option. The seat is made of solid transparent plexiglass, with painted support brackets.

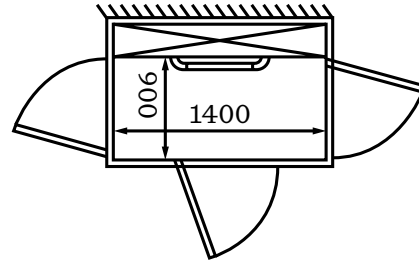
- Size: 300 × 420 mm
- Rated load: 100 kg

The seat is compliant with EN81-41

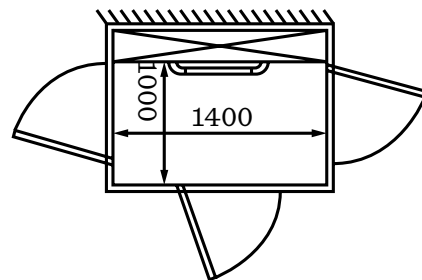
### Platform Sizes

Minimum distance between intermediate floors:

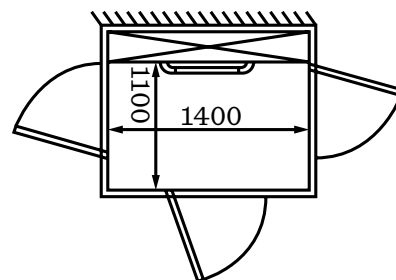
- Opposite (A/C sides) and adjacent accesses (A/B or B/C): 250 mm
- Same side (A, B or C): 2300 mm



1400 × 900



1400 × 1000



1400 × 1100





# ALTURA PLATINUM

## FULL PANEL WITH CEILING

14



A full-height panel on the G-side with ceiling and two upright posts. The open sides are protected with photocells and the cabin has hold-to-run controls. The cabin is illuminated with three LED spotlights in the ceiling.

### Cabin and door heights

2100 mm cabin height with net door height 2000 mm.

### Panel options

The full-height panel is fitted with a choice of wall and floor options from the Simplicity cabin range (see pp. 26–27).

### Fold-down seat

A manually folding seat can be ordered as an option. The seat is made of solid transparent plexiglass, with painted brackets.

- Size: 300 × 420 mm
- Rated load: 100 kg

The seat is compliant with EN81-41

### Landing swing door options

- Panoramic window in choice of glass styles;
- Steel, painted in choice of RAL colour;
- Steel, painted in metallic colour: see p. 63;
- Stainless steel finish (indoor use only);
- Paint, treated for outdoor use;
- Fireproof doors, painted or with stainless steel finish, for indoor use only.

For further details and dimensions of the landing swing doors see p. 49.

### Cabin Dimensions

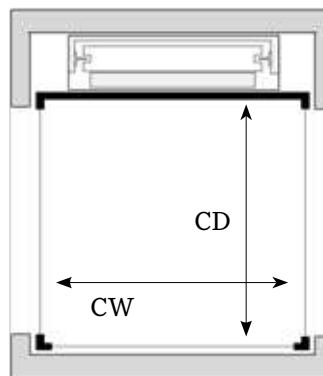
Maximum and minimum sizes (CW x CD)

Smallest cabin: 560 × 600 mm

Cabin with maximum width: 1600 × 1100 mm

Cabin with maximum depth: 1100 × 1400 mm

Full details can be found on the technical pages at the end of this catalogue.





# ALTURA PLATINUM

## CABIN WITHOUT DOORS

16



A cabin with one or two open sides. As standard, the open sides are protected with photocells.

### Cabin and door heights

2100 mm cabin height with net door height 2000 mm.

In the case of the Deluxe cabin with false ceiling, the net cabin height is reduced by 70 mm.

### Cabin options

The walls, floor and ceiling can be finished with the full choice of options from the Simplicity and Deluxe ranges.

### Fold-down seat

A manually folding seat can be ordered as an option. The seat is made of solid transparent plexiglass, with painted brackets.

- Size: 300 × 420 mm
- Rated load: 100 kg

The seat is compliant with EN81-41

### Landing swing door options

- Panoramic window in choice of glass styles;
- Steel, painted in choice of RAL colour;
- Steel, painted in metallic colour: see p. 63;
- Stainless steel finish (indoor use only);
- Paint, treated for outdoor use;
- Fireproof doors, painted or with stainless steel finish, for indoor use only.

For further details and dimensions of landing swing doors see p. 49.

### Cabin Dimensions

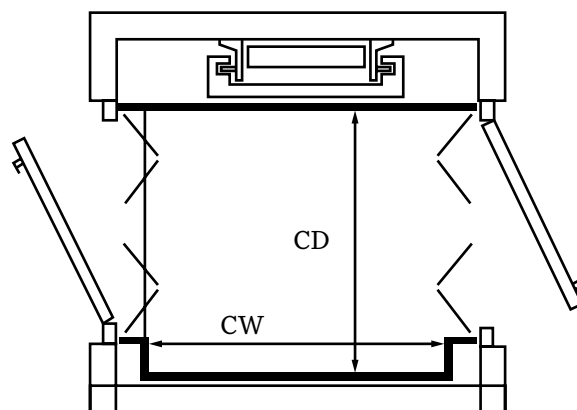
Maximum and minimum sizes (CW x CD)

Smallest cabin: 750 × 625 mm

Cabin with maximum width: 1600 × 1100 mm

Cabin with maximum depth: 1100 × 1400 mm

Full details can be found on the technical pages at the end of this catalogue.





# ALTURA PLATINUM AND DIAMOND SLIDING DOORS

18



Automatic telescopic doors on each cabin and landing access (maximum two accesses per floor), with two-panel side opening or four-panel central opening. Each access is protected with photocells as standard. Full height light curtains are available as an option on Altura Diamond.

### Cabin and door heights

2100 mm cabin height with net door height 2000 mm.

In the case of the Deluxe cabin with false ceiling, the net cabin height is reduced by 70 mm.

### Sliding door options: cabin and landing

- Glass panels with stainless steel surround;
- Stainless steel;
- Steel, painted in choice of RAL colour;
- Steel, coated with coloured or metallic film: for options, see the cabin wall skinplate range p. 26.

### Additional options for landing doors

- Steel, painted in metallic colour: see p. 63;
- Glass panels with frames in stainless steel or painted in choice of RAL colour;
- Treated for outdoor use (stainless steel or paint);
- Fireproof doors: stainless steel or painted, for indoor use only.

For further details and dimensions of sliding doors, see pp. 46–47.

### Cabin Dimensions

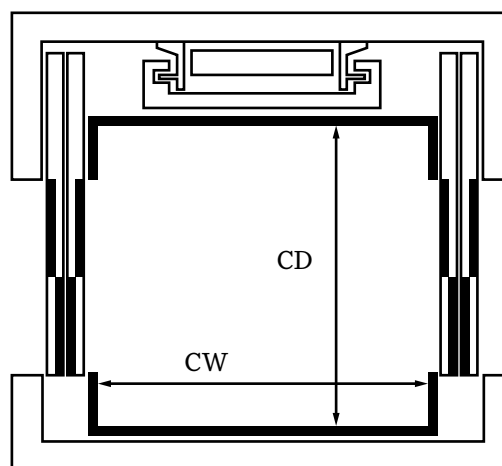
Maximum and minimum sizes (CW x CD)

Smallest cabin: 750 × 650 mm

Cabin with maximum width: 1400 × 1100 mm

Cabin with maximum depth: 1200 × 1200 mm

Full details can be found on the technical pages at the end of this catalogue.





# ALTURA PLATINUM AND DIAMOND

## FOLDING / SWING DOORS

20



Automatic folding cabin doors (four panels, central opening) are also available. When folding doors are used, the landings are fitted with swing doors.

### Cabin and door heights

2100 mm cabin height with net door height 2000 mm.

In the case of the Deluxe cabin with false ceiling, the net cabin height is reduced by 70 mm.

### Folding cabin door options

- Glass panels with stainless steel surround;
- Painted in choice of RAL colour;
- Stainless steel.

### Landing swing door options

- Panoramic window in choice of glass styles;
- Steel, painted in choice of RAL colour;
- Steel, painted in metallic colour: see p. 63;
- Stainless steel finish (indoor use only);
- Paint, treated for outdoor use;
- Fireproof doors, painted or with stainless steel finish, for indoor use only.

For further details and dimensions of folding and swing doors, see pp. 48–49.

### Cabin Dimensions

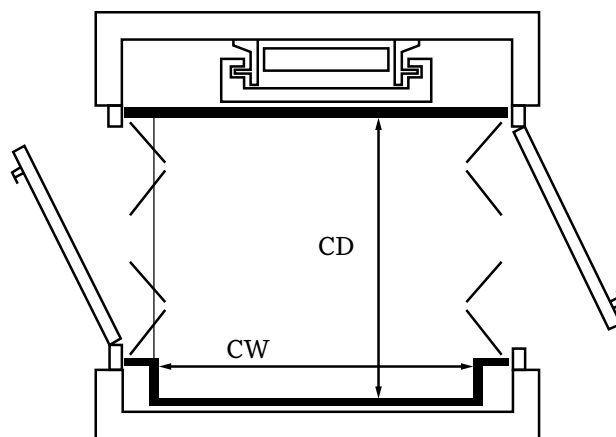
Maximum and minimum sizes (CW x CD)

Smallest cabin: 750 × 650 mm

Cabin with maximum width: 1400 × 1100 mm

Cabin with maximum depth: 1200 × 1200 mm

Full details can be found on the technical pages at the end of this catalogue.



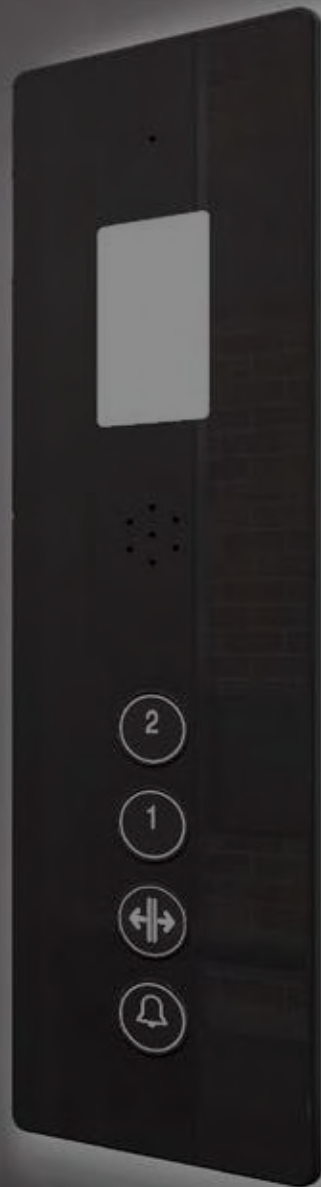


22

# SIMPLICITY

## CABIN







# DESIGN AND LAYOUT



The Altura Simplicity range has a clean and streamlined look, and is available for all products in the Altura Lift family.

## CABIN WALLS

24



### Plain walls

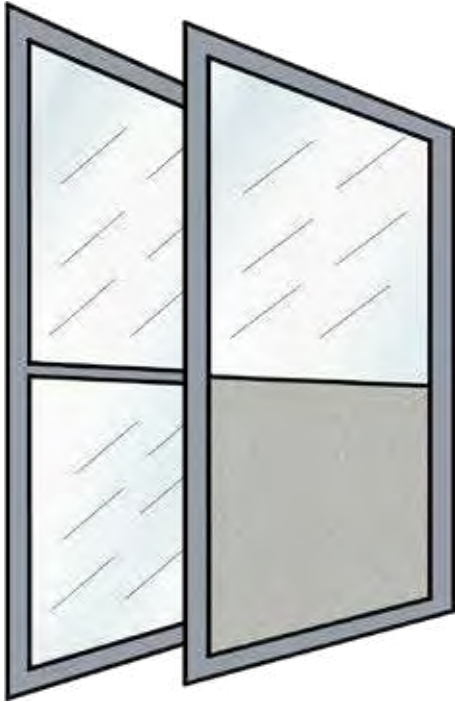
Skinplate, stainless steel or painted in a choice of colour. The insides of the doors are finished to match the walls: see options on following pages.



### Mirror\*

A half-height mirror with optional handrail can be affixed to any wall except for the machine side.

\* Glass walls and mirrors: Platinum and Diamond only



**Glass walls\***  
Full-height or half-height, plain glass can be selected for any wall except the machine side. The full-height glass panel is divided by a horizontal cross-piece.

\* Glass walls and mirrors: Platinum and Diamond only

## CEILING

(Platinum and Diamond Only)



The Simplicity cabin for Altura Platinum and Diamond lifts has a plain ceiling, finished to match the cabin walls and illuminated with three LED spotlights.



**Ventilation fan**  
A ceiling ventilation fan, positioned near the machine side, is available as an option on the Simplicity cabin. The fan runs automatically when the lift is in use and switches off after a pre-determined time. As an option, a button can be added to the control panel to control the ventilation fan during travel.

# INTERIOR OPTIONS

G

P

D

The Simplicity cabin can be customised with a choice of colours and finishes for the walls, floor and cabin doors.

The cabin walls are made of steel and can be covered with a coloured plastic or stainless steel finish or painted with a choice of RAL colour (gloss 80-90, orange peel finish, coarse grade). Suggested RAL matches for the other painted parts of the lift are given for each skinplate option.

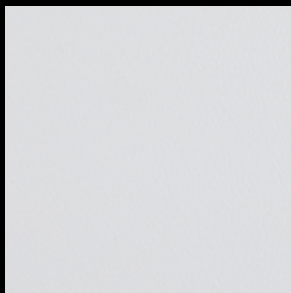
As standard, the whole lift is painted in RAL 9010 (pure white) and the walls are covered with skinplate A4 – milk.

## Note: RAL Colours

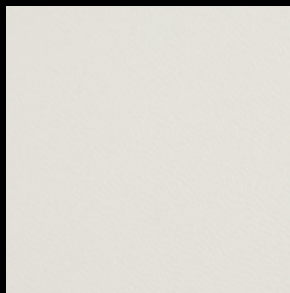
For all parts of the lift where RAL painting is offered, the choice of colour can be made from the 213 colours in the RAL Chart K7 Classic, excluding pearl and metallic colours. If no colour is specified, the standard colour for all painted parts is RAL 9010 (white). Painting is powder coating with orange peel finish, visual gloss 80-90.

## CABIN WALL OPTIONS

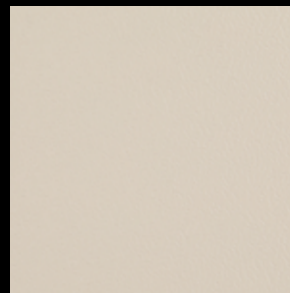
### 26 Plain skinplates Steel panel with a solid colour textured plastic coating.



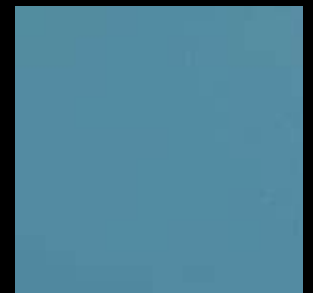
A1 White (RAL 9003)



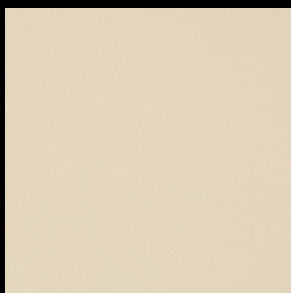
A4 Milk (RAL 9010)



A13 Ivory (RAL 1013)



B13 Blue (RAL 5024)



G1 Cream (RAL 1015)



N1 Grey (RAL 7035)



PPS Metal-Like  
(RAL 7037)

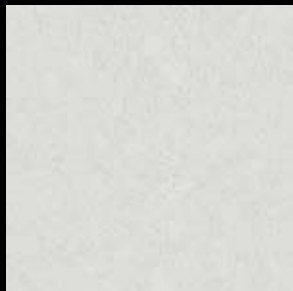


Painted in your colour  
of choice

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.

## Patterned skinplates

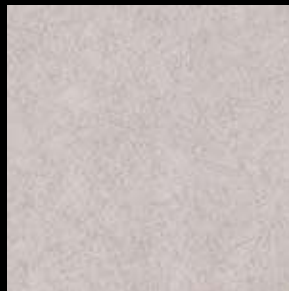
Steel panel coated with lightly patterned smooth finish plastic skin.



PPS10 Frost  
(RAL 9003)



PPS1 Silver (RAL 7035)



PPS11 Pearl  
(RAL 1013)

## Stainless steel



Stainless Steel Satin



Stainless Steel Linen  
(scratch resistant)

## FLOORING

The Simplicity Cabin has a choice of 3 vinyl floor coverings, with life-time non-slip guarantee. The lift can also be supplied without flooring if you want to fit your own. For flush alignment with the landing, customer supplied flooring should be maximum 3 mm deep.



White



Sand



Grey

# DELUXE CABIN









# DESIGN AND LAYOUT

The Deluxe Cabin has a choice of luxurious wall finishes, with contrasting accents and a suspended ceiling with a choice of soft lighting options.

Design your own Deluxe cabin by choosing from our range of interior options on pp. 32–35 or pick a cabin style from our Diamond Collection (pp. 36–39).

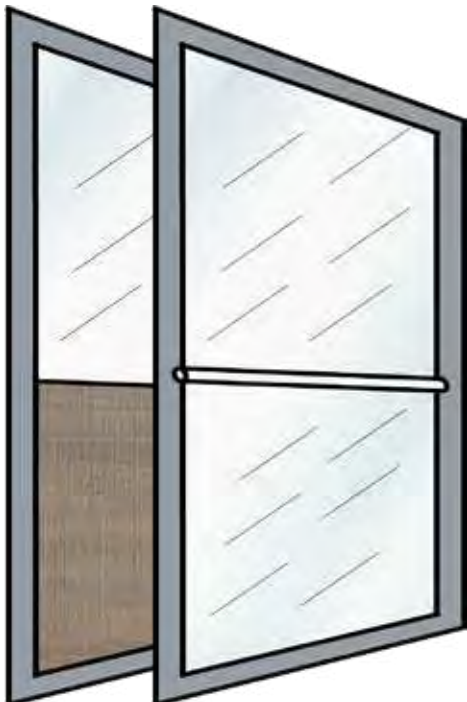
The Deluxe cabin is offered on all Altura Diamond lifts and on Altura Platinum cabins with two or more walls. The Platinum full panel with ceiling is only available with Simplicity finishes.



## Walls

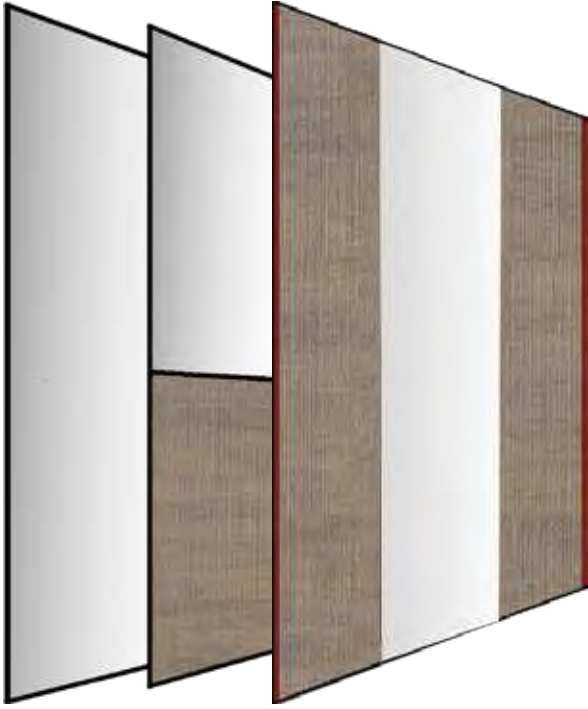
A choice of high-pressure laminates, with contrasting central panel and corner accents: see options on the following pages.

30



## Glass

Full-height or half-height, plain glass, available on all walls except the control panel wall (G side). A handrail is included as standard on full-height glass panels.



**Mirror**

Full-height, half-height or slim vertical mirrors can be fitted to any wall except the control panel wall (G side). A mirrored central panel for the G side is also available (see options p. 34).

**CEILING**



Opal



Round

31



Plain Steel



Starry Sky

The opal, round, and plain steel ceilings are available in either white painted steel (RAL 9010), or satin stainless steel. The starry sky ceiling is always supplied with satin stainless steel.



# WALLS AND FLOORS



## WALLS: HIGH-PRESSURE LAMINATE OR STAINLESS STEEL PANELS

### Wood Effect Laminate



4303 – Dark Wood



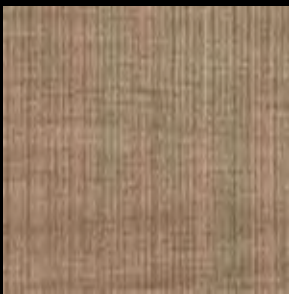
4367 – Bright Wood



4515 – Bright Wood



4511 – Warm Wood



4533 – Bright Wood

32

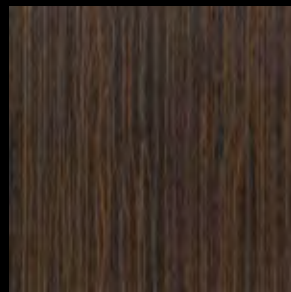
### Textured Effect Laminate



Silk –TX 2606



Linen – TX 3318



Woodgrain – TX 4485

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.

## Stone Effect Laminate



Concrete 1 – CR 3331



Concrete 2 – CR 546



Limestone – CR 868



Marble – CR 585

## Stainless Steel



Satin

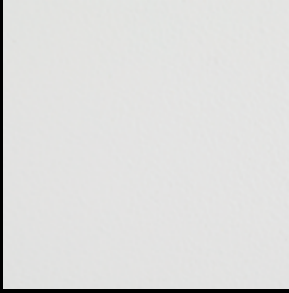


Mirror

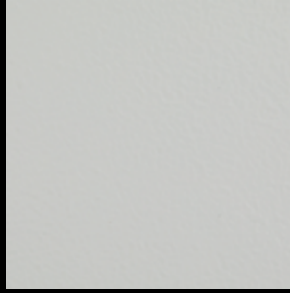


# CENTRAL PANEL AND CORNER ACCENTS

## Solid colour finish (RAL colour references)



9003 White



7035 Grey



7012 Dark Grey



7021 Grey-Black



1019 Beige



3003 Red



6011 Green



5024 Pale Blue

34

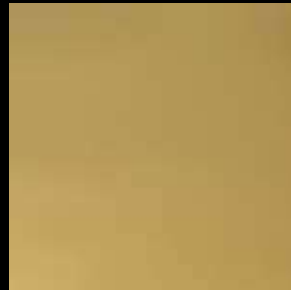
## Stainless steel finish



Satin



Mirror



Gold Effect

## Granite

Composite stone, with a polished granite effect finish



White



Sand



Grey



Black

## Carpet



Carpet – White



Carpet – Sand



Carpet – Grey

The vinyl flooring from the Simplicity range can also be selected for the Deluxe cabin, or the cabin can be supplied without flooring for the customer to apply their own (depth 20 mm)



# DIAMOND COLLECTION

## MODERN AND CLASSIC RANGES

36



1. Modern Europe



2. Modern Americas



3. Modern Asia



4. Classic Europe



5. Classic Americas

**1. Modern Europe**  
Wall, bright wood 4515; accent, black 7021; ceiling, round; flooring, grey vinyl; mirror, none; handrail, stainless steel, 2 pieces.

**2. Modern Americas**  
Wall, concrete 3331; accent, blue 5024; ceiling, plain; flooring, grey vinyl; mirror, slim vertical; handrail, stainless steel, 2 pieces.

**3. Modern Asia**  
Wall, silk TX2606; accent, red 3003; ceiling, opal; flooring, grey vinyl; mirror, none; handrail, stainless steel, 2 pieces.

(2 piece handrails for 1400 wide cabin only)



6. Classic Asia

**4. Classic Europe**  
Wall, warm wood 4511; accent, beige 1019; ceiling, plain; flooring, sand carpet; mirror, full wall; handrail, stainless steel, 2 pieces.

**5. Classic Americas**  
Wall, linen tx3318; accent, light grey 7035; ceiling, plain; flooring, grey vinyl; full height panoramic wall; handrail, stainless steel on panoramic wall.

**6. Classic Asia**  
Wall, dark wood 4303; accent, red 3003; ceiling, plain; flooring, grey vinyl; mirror, half wall; handrail, stainless steel 2 pieces.

(2 piece handrails for 1400 wide cabin only)





# NATURAL AND INTERNATIONAL RANGES

38



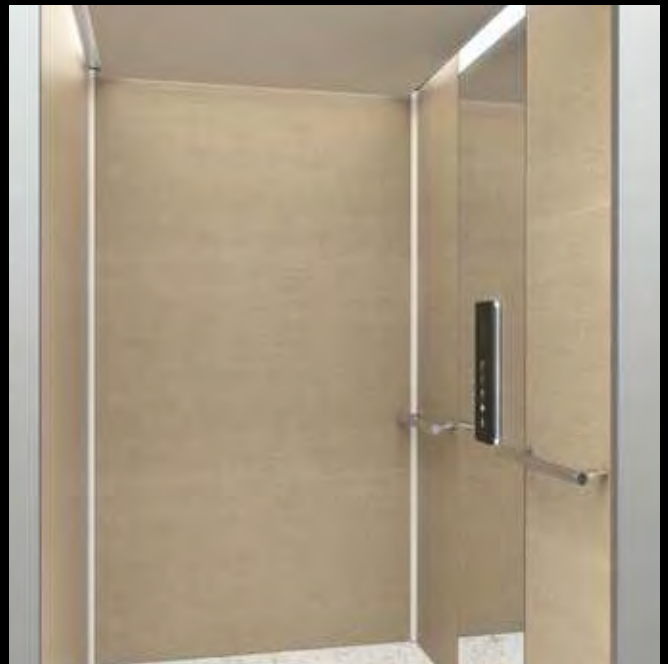
7. Natural Europe



8. Natural Americas



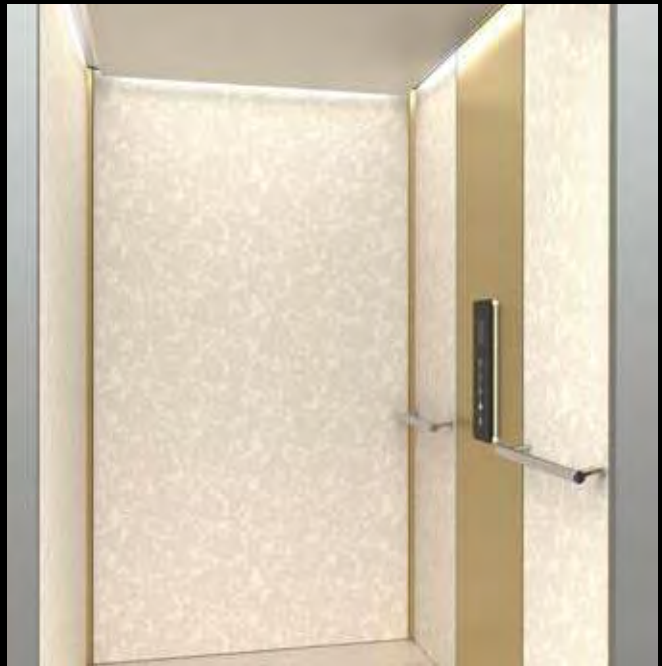
9. Natural Asia



10. International Modern



11. International Natural



12. International Classic

**7. Natural Europe**

Wall, warm wood 4533; accent, green 6011; ceiling, plain; flooring, grey carpet; mirror, none; handrail, stainless steel, 2 pieces.

**8. Natural Americas**

Wall, woodgrain TX4485; accent, dark grey 7012; ceiling, plain; flooring, sand carpet; mirror, none; handrail, stainless steel, 2 pieces.

**9. Natural Asia;**

Wall, bright wood 4367; accent, green 6011; ceiling, plain; flooring, grey carpet; mirror, none; handrail, stainless steel, 2 pieces.

(2 piece handrails for 1400 wide cabin only)

**10. International Modern**

wall, limestone 868; accent, steel mirror; ceiling, plain; flooring, granite effect - white; mirror, none; handrail, stainless steel, 2 pieces

**11. International Natural**

Wall, limestone 868; accent, steel mirror; ceiling, plain; flooring, granite effect - white; mirror, none; handrail, stainless steel, 2 pieces

**12. International Classic**

Wall, concrete 546; accent, steel gold; ceiling, plain; flooring, granite effect - sand; mirror, none; handrail, stainless steel, 2 pieces

(2 piece handrails for 1400 wide cabin only)

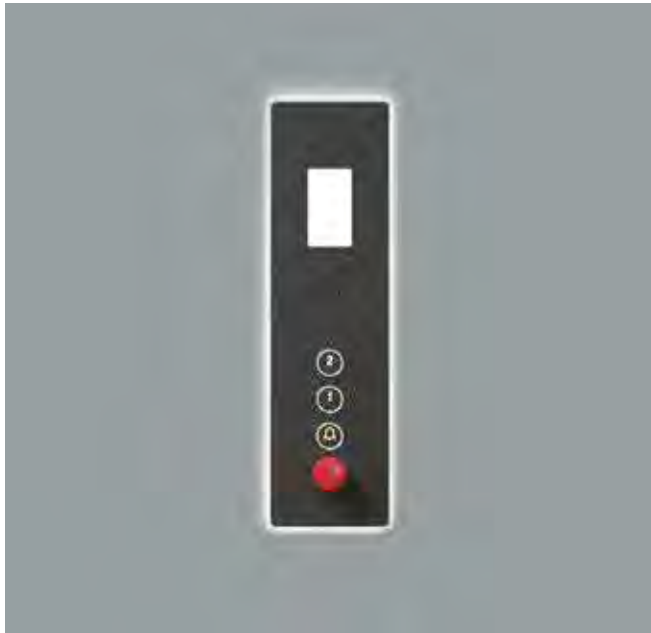


# CONTROL PANEL

## STANDARD FEATURES

The sleek design of the Altura control panel is enhanced by a white backlight around the profile and the buttons.

The control panel has a polished black finish as standard, with mirrored steel or a gold effect offered as options on the Deluxe cabin. The control panel is always fitted on the machine side of the cabin.



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### Control panel buttons

The diameter of the buttons is 37 mm, and height of the centre line of the button panel is between 900 and 1100 mm from the platform floor, in accordance with EN 81-41. All buttons include Braille as standard. The control panel contains the following buttons, arranged centrally or in two columns, depending on the number of stops:

- Destination buttons, available with the following letters and numbers: -2, -1, 0, 1, 2, 3, 4, 5, 6, B, BG, BV, G, K, KV, P, U, E.
- Door open button: for Altura Platinum and Diamond models with cabin doors.
- Alarm button: connected to an external alarm sounder and to an optional auto-dialler. When the button is pressed, the siren will give a loud signal outside the lift and, if fitted, the alarm auto-dialler calls a pre-programmed emergency number.
- Emergency stop: a red emergency-stop mushroom button is always included for hold-to-run models (All Gold lifts, and Platinum lifts with open sides).

### Handrail

A handrail with a minimum cross-sectional diameter of 30 mm is supplied with all lifts, as required by EN81-41. The height between the platform floor and top edge of the handrail is 900 mm +/- 25 mm.

# SIMPLICITY CABIN / OPEN PLATFORMS



### Control panel

- Black

### Handrail

One piece black rail placed on the central panel underneath the control panel (shown left)

Full width stainless steel rail, positioned on any side except the control panel wall. More than one full-width rail is possible, if required.

# DELUXE CABIN

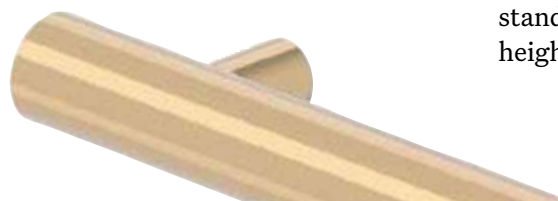


### Control panel

- Black
- Mirrored steel
- Gold effect

### Handrail

Full width rails in stainless steel or gold satin effect can be placed on any wall, including the control panel wall. With a 1400 mm wide Deluxe cabin, the rail can also be fitted in two pieces placed either side of the control panel. The handrail is fitted as standard on all full-height glass walls.





A full-colour display on the control panel shows floor indicators and other system information. Additional security features are offered to protect users in public buildings and to prevent unauthorised use.

## COLOUR DISPLAY

The display is positioned on the control panel above the floor buttons and shows the following information:

- Floor indicator showing the position of the lift;
- An arrow indicating the direction of the lift when travelling;
- Icons giving status information:
  - Bell: the alarm button has been pressed
  - Weight symbol: the lift is overloaded;
- An error code for diagnostics;
- If the lift is connected to the building's fire alarm system, a symbol will be shown when alarm is activated (see below);

Voice announcements are included as standard with the display. These are available in English, Italian, French, German, Spanish, Dutch, Portuguese, Czech and Russian. Optionally, the voice announcement can be replaced by an acoustic signal, or with no sound.



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## BUILDING INTEGRATION



The lift can be connected to the building's fire alarm.

If the fire alarm is activated, a symbol on the display will be shown and the lift will move to a predetermined fire-exit floor and park there.

## KEY SWITCH ON CONTROL PANEL

Use of the lift can be controlled by key-switches placed on the control panel. The control panel can either be fitted with a general key switch which locks the entire operation of the lift, or the floor buttons can be replaced with individual key switches (up to a maximum of 4 per lift) to control access to specific floors.

There are two key options to choose from:

- standard mechanical key
- i-button for one-touch operation.

User-specific configurations can be designed: please contact us for details.



# COMMUNICATION



Two way communication is supplied as standard inside the cabin.

A communication system in case of emergency is required for compliance with EN81-41. This can be provided as a telephone handset or an auto-dialler.

The user is responsible for supplying a landline or SIM card for connecting the communication equipment in the lift to a telephone network.



## Telephone Handset

The telephone handset for emergency calls is mounted on the console wall next to the control panel. It is to be connected to a landline in the building.

## Auto-dialler

The auto-dialler equipment is integrated in the control panel and connected to the alarm button. When the alarm button is kept pressed for 3 seconds, the auto-dialler calls through a sequence of pre-programmed numbers until answered.

The auto-dialler is connected to the building's landline or can be fitted with a GSM module for connection to the mobile phone network.

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# RAMP



When used with a metallic shaft, we recommend that Altura lifts are installed in a pit. If the lift is installed without a pit, a ramp is mandatory according to EN81-41.

An aluminium ramp with a non-slip surface can be ordered as an option. The width of the ramp corresponds to the width of the corresponding shaft side and the vertical rise is less than 1:4.

# 44 DOORS









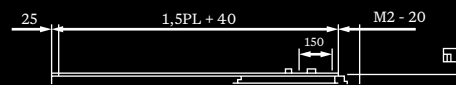
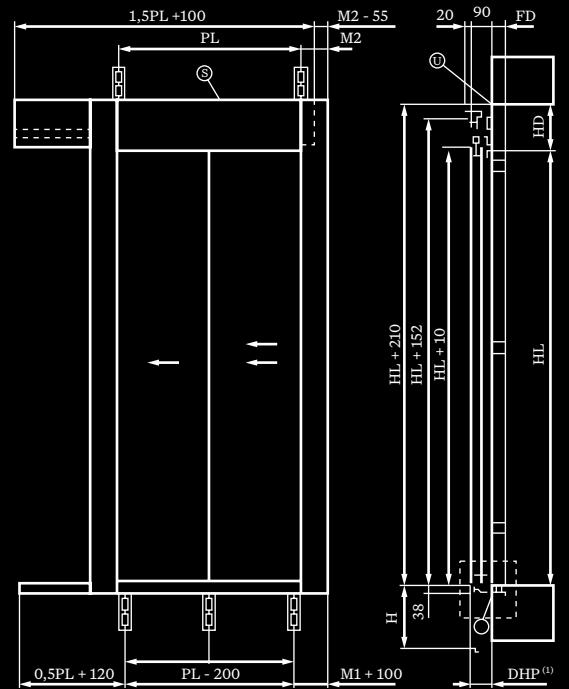
# SLIDING DOORS

## CABIN AND LANDING

Sliding doors are available on Altura Platinum lifts with a fully enclosed cabin and on Altura Diamond.

### Sliding doors: lateral opening with blind panels

- Door height (HL): 2000 mm
- Door frames: 100 mm on each side (M1, M2, HD)
- Door sill: landing - 90 mm, cabin - 70 mm
- Frame depth: 60 mm (FD)
- Opening: right or left, with two panels
- A triangular key for the lock release is provided with each machine.
- Standard installation is fully within the shaft. Sliding door encumbrance in the shaft (DHP) = 110mm.
- A fire-proof door is available as an option.



Door clear access (PL)	Total width (1.5PL + 145)
600 mm	1045 mm
700 mm	1195 mm
800 mm	1345 mm
900 mm	1495 mm

4 6

### Sliding doors: lateral opening with glass panels

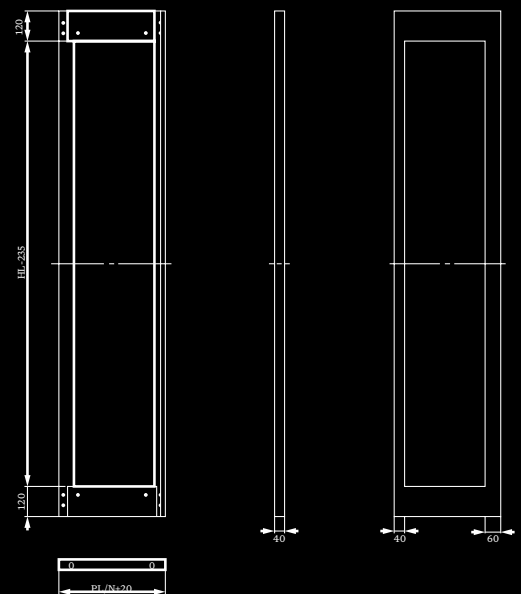
- Door and frame dimensions are the same as the blind version
- The width of each panel depends on the door clear access (PL) as shown in the diagram. Panel width =  $(PL/N)+20$ , where N is the number of panels.
- The frame around the glass has standard dimensions and has a satin stainless steel finish or can be painted in a RAL colour of choice.

### Frame dimensions:

Top and bottom: 120 mm  
Lateral: 40 mm and 60 mm

Glass and panel sizes for lateral opening, 2 panels:

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



**Sliding doors: central opening with blind panels**

- Door height (HL): 2000 mm
- Door frames: 100 mm on each side (M1, M2, HD)
- Door sill: landing - 90 mm, cabin - 70 mm
- Frame depth: 60 mm (FD)
- Opening: central, with four panels
- A triangular key for the lock release is provided with each machine.
- Standard installation is fully within the shaft.  
Sliding door encumbrance in the shaft (DHP) = 110 mm.
- A fire-proof door is available as an option.

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

The table below shows the tolerance (G) required to install the doors. The narrower the door opening, the greater the tolerance required.

Door clear access (PL)	G
600 mm	40 mm
650 mm	30 mm
700 mm	15 mm
≥ 750 mm	0 mm

**Sliding doors: central opening with glass panels**

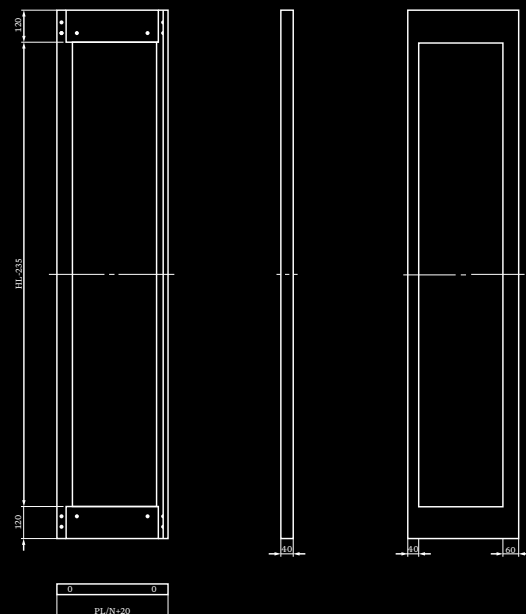
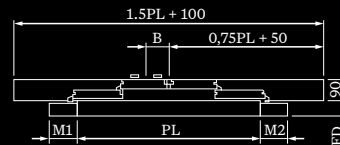
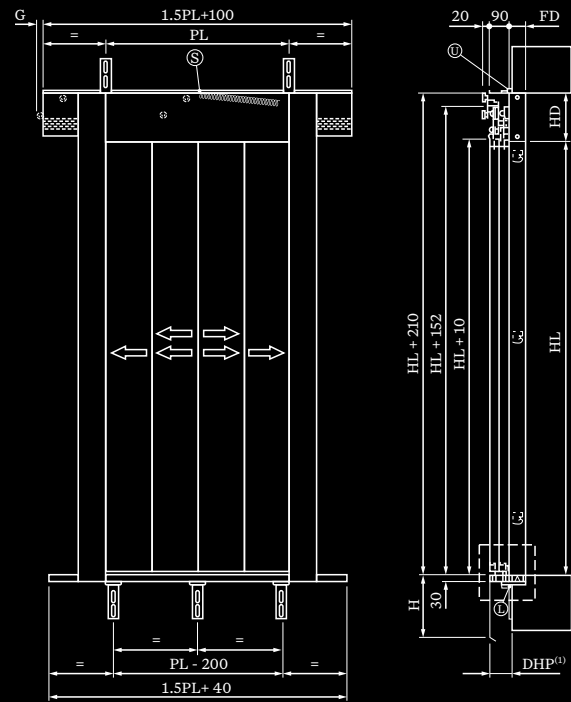
- Door and frame dimensions are the same as the blind version
- The width of each panel is calculated in the same as for the lateral opening:  $(PL/N)+20$ .
- The frame around the glass has standard dimensions and has a satin stainless steel finish.

**Frame dimensions:**

Top and bottom: 120 mm  
Lateral: 40 mm and 60 mm.

Glass and panel sizes for central opening, 4 panels:

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





# FOLDING DOORS

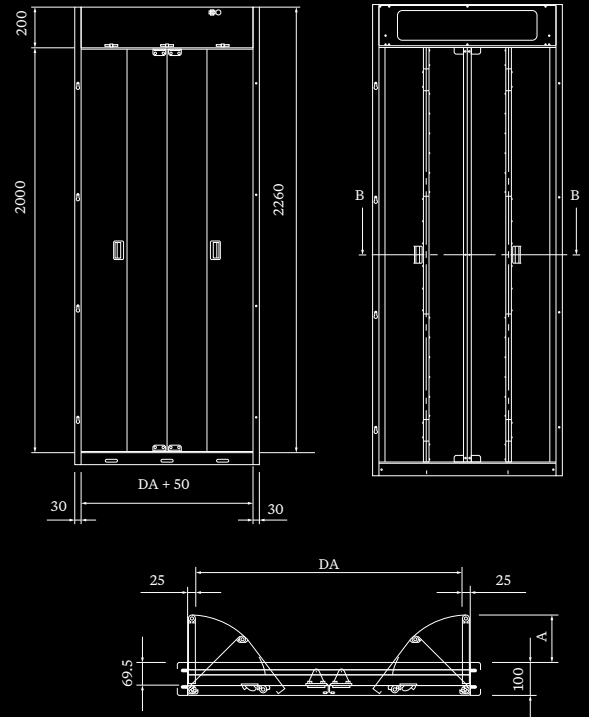
## CABIN

### Folding doors: blind panels

- Opening: central, with four panels
- Door height: 2000 mm.
- Door sill of landing door: 100 mm

"A" is the maximum encumbrance in the cabin with the doors open.

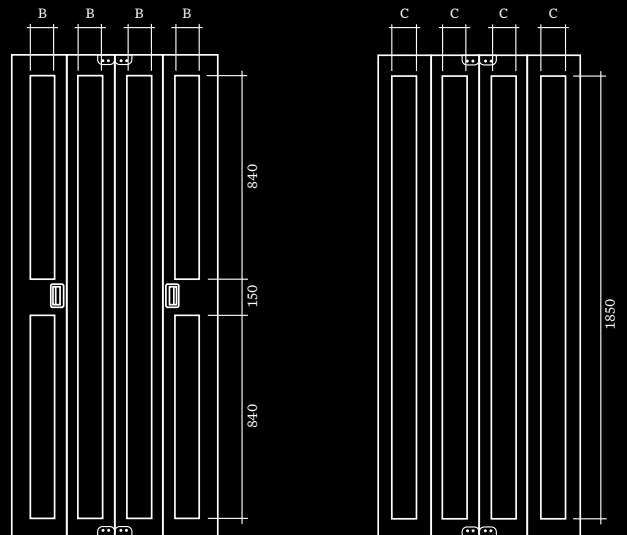
Door clear access (DA)	A
600 mm	90 mm
700 mm	115 mm
800 mm	140 mm
900 mm	165 mm



### Folding doors: glass panels

- Dimensions and finishes are the same as the blind version.
- Two models are available, with or without handles on the inner side. Handles are recommended when installing the lift in public buildings.
- Glass dimensions depend on the door clear access, as shown in the table below:

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



Glass folding doors with handle

Glass folding doors no handle

For doors with height 2000 mm

B = Door clear access/4 - 85

C = Door clear access/4 - 53

# LANDING SWING DOOR

## ALTURA PLATINUM AND DIAMOND



### General information

When folding doors are selected for the cabin, or for open platforms and configurations without cabin doors, steel swing doors are fitted on the landings. Swing doors can be blind or panoramic. If no colour is specified, they are supplied in pure white (RAL9010).

The large window on the panoramic doors is made of Visarm safety glass 10/11 mm thick.

### Door frame

The swing doors are always delivered with frames which are painted in the same colour as the door. Note that it is not possible to order the door or the frame separately. The doors can be hinged on the left or on the right.

The door frames have dimensions of 100 mm on each side. When an automatic door opener is used on doors in a concrete shaft, the top frame is 140 mm.

The actual height of the door is 40 mm higher than the net height.

### Door specifications

Opening widths: 600, 650, 700, 750, 800, 850, 900 mm  
 Opening height: 2000 mm  
 Total door height (including frame): 2100 mm / 2140 mm

Other sizes may be available on request

### Options for door and frame

- Painted in choice of RAL colour;
- Painted in metallic paint (see p. 63);
- Finished in stainless steel (indoor use only);
- Treated for outdoor use, with RAL or metallic paint;
- Window: transparent as standard, or choice of opaque, semi-reflective, smoky grey or smoky satin (see p. 63).

Glass window (panoramic):

470×1600 mm (door width 700 mm)

570×1600 mm (door width 800 mm)

670×1600 mm (door width 900 mm)

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



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Blind Door



Panoramic Door

# LANDING SWING DOOR

## ALTURA GOLD AND GOLD PRO

Altura Gold landing doors are powder coated with an orange peel finish (coarse grade) and gloss painted with a choice of RAL colour. If no colour is specified, they are supplied in pure white (RAL9010).

### Altura Gold

The doors are 800 mm wide and can be hinged on the left or on the right. For the two smaller platform sizes, the door can only be placed on side B. To allow a net clear opening width of 800 mm, the door on side B is fitted without a vertical frame.

Doors can be placed on sides A or C when the larger 800 × 1100 plan size is used, and these are always delivered with a frame, painted in the same colour as the door.

### Altura Gold Pro

The height of the door frame depends on the door net height and is 140 – 160 mm more than the door opening height. The actual height of the door is 40 mm more than the opening height to prevent any gap between the top of the door and the frame.



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### Door specifications

Opening widths: 700, 800, 900 mm  
Opening heights: 1800, 1900, 2000, 2100 mm

Glass window: (Panoramic)  
470×1600 mm (door width 700 mm)  
570×1600 mm (door width 800 mm)  
670×1600 mm (door width 900 mm)

Door handle: Stainless steel

Panoramic window: transparent as standard or choice of opaque, semi-reflective, smoky grey or smoky satin.

### Altura Gold door dimensions (B side platform width 800 mm)

Door opening height (mm)	Door actual height (mm)	Frame height side B (mm)	Frame height side A/C (mm)
1800	1840	1960	1940
1900	1940	2060	2040
2000	2040	2160	2140

### Altura Gold Pro door dimensions

Door opening width (mm)	Door actual width (mm)	Frame height side B (mm)	Required platform width	
			Side A/C (mm)	Side B (mm)
700	900	1800/1900/2000	900 / 1000	1400
800	1000	1800/1900/2000	1000 / 1100	1400
900	1100	1800/1900/2000/2100	1100	1400

### Altura Gold Pro: re-positioning the door on the B-side

If it is not possible to fit the door on the B-side in the central location, the door can be re-positioned by 145 mm in either direction. This should be indicated at the time of ordering.

# LANDING SWING DOOR

## ADDITIONAL OPTIONS



The standard swing doors on landings are opened manually. The door closing mechanism depends on the model.

The time and speed of the standard semi-automatic swing doors are not adjustable. For greater control over the operation of the swing doors, automatic openers and closers are available. The automatic openers and closers are not suitable for use with fire-proof doors.



### Internal door closer

The internal door closer closes the door automatically and includes a function to keep the door open until the user manually closes it. The internal door closer is contained within the door frame, making it invisible from the outside. The closing speed is adjustable.

The internal door closer is supplied as standard on the Altura Gold, and is available as an option for Altura Gold Pro, Platinum and Diamond.



### External Door opener

The external door opener opens the door automatically once the lift has arrived at the landing and closes it after a pre-set time. The opening and closing time and speed are adjustable.

It is mounted on the top frame of the door inside a box with a white painted cover.

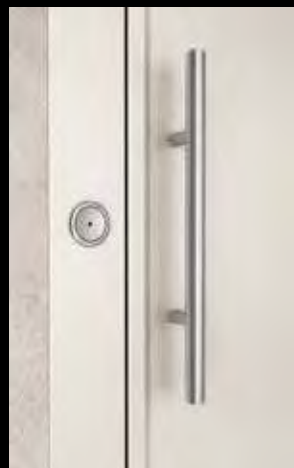
When automatic door openers are fitted on two doors at the same landing, the doors will open simultaneously.

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## DOOR HANDLES



Techno



Modern

The landing swing doors have a stainless steel handle. The Techno handle is supplied as standard, or the longer Modern version can be ordered as an option.

### Handle Dimensions

Techno: length 207 mm

Modern: length 350 mm, diameter 20 mm



# FIRE AND SMOKE - PROOF LANDING DOORS

Fire and smoke-proof landing doors are available as an option for indoor installations only.

The swing and sliding landing doors can be supplied in a fire and smoke-proof version that complies with EN 81-58. Glass panels or windows are not available on fire and smoke-proof doors.

Note: a wall mounted call box must always be ordered for the landing control, as it cannot be installed in the frame of fireproof doors. (See pp. 54–55)

## Swing doors EI120

The fire and smoke-proof landing swing doors are always delivered with a frame which is 100 mm wide on each side.

## Altura Gold / Gold Pro

The size of the frame depends on both the platform size and on the clear door opening width and height. The frame height is 140 mm more than the door opening height. The frame width is 200 mm wider than the door opening width.

Opening widths: 700, 800, 900 mm

Opening heights: 1900, 2000, 2100 mm

The door is 40 mm higher than its opening height, to prevent any gap between the top of the door and the frame.

## Altura Platinum and Diamond

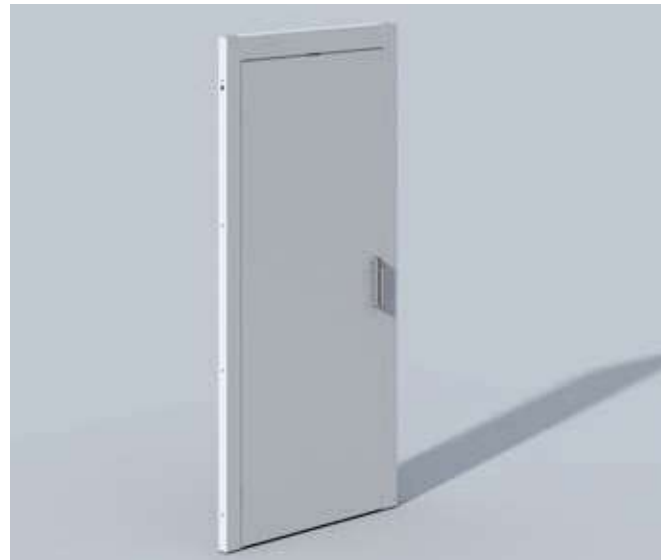
Opening widths: 600, 650, 700, 750, 800,  
850, 900 mm

Opening height: 2000 mm

The actual height of the door is 2040 mm due to a plate which is mounted on the door to cover the gap between the door and the frame. The door and frame can be painted in any RAL colour. If no colour is specified, they are supplied in white (RAL 9010).

## Sliding doors EI60 or EI120

Fire- and smoke-proof sliding doors for the landing are available with two-panel lateral opening or four-panel central opening. As standard they are painted in grey; other colours or a stainless-steel coating are available as an option.



# DOOR OPTIONS

## CONTROLS AND LOCKING



A backlit button with a stainless steel faceplate is placed on each landing to call the lift.

The landing control button is normally located on the frame of each landing door. When swing doors are used, it is placed on the same side as the door handle. Optionally, it can be placed away from the lift in an external control box. (see pp. 54–55).



### Call button

The call button shows the floor number and has Braille as standard. It has a backlit frame which changes colour to indicate the status of the lift.

- Green: the lift is at this floor.
- Red: the lift is currently in use.
- A flashing light is used to give a warning status.

### Landing Indicator Display

As an option, a digital display can be positioned on the door faceplate. The landing display shows the following information:

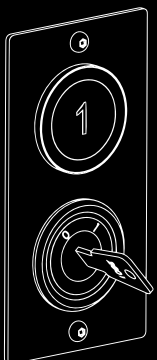
- Floor indicator showing the position of the lift.
- An arrow indicating the direction of the lift when travelling
- Icons giving status information:
  - Bell: the alarm button has been pressed.
  - Weight symbol: the lift is overloaded.
- An error code for diagnostics;
- Out of service status message

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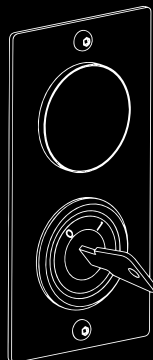
The landing indicator display is available for indoor use only.

## DOOR LOCKING OPTIONS

A lock with a key switch, a one-touch i-button, or a lock prepared for the Eurokey, can be provided either in addition to, or instead of, the call button.



Key switch and call button



Key switch without button

### Key switch with call button




The key is used to unlock the landing control button. Once the lock is in the open position, the lift can be used with the call button as normal. This option is recommended when a lift needs to be made available to all users during particular hours of the day.

### Key switch without call button

When there is no call button, the lift can only be called and accessed with the key. The key switch includes a school locking function which automatically locks the door after a set time.

Only one key switch is available per door.



 **DOOR** **OPTIONS**  
 **WALL MOUNTED**  
 **CALL BUTTON**

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The landing control button can be mounted away from the door frame in an external box.

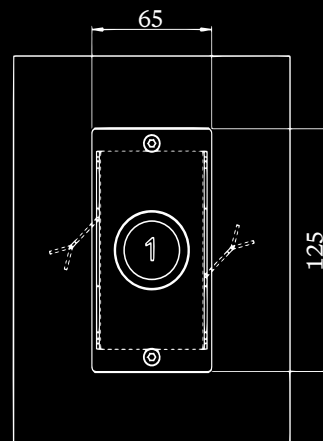
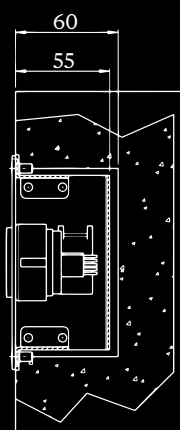
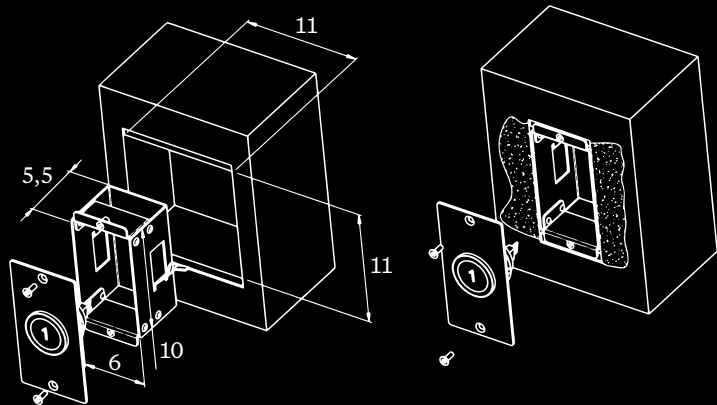
The wall-mounted call button is situated in an external box connected to the lift via a cable at a maximum of 10 m from the lift. It can be surface mounted or flush mounted. The external call button is required when fire and smoke-proof landing doors are used. It must also be ordered for the 800 mm width Altura Gold if the door is placed on the B side as this configuration does not have a door frame.

The external box can also be used in conjunction with the standard landing control panel to provide an additional call button on any landing.

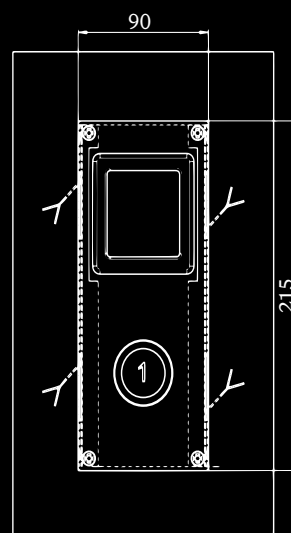
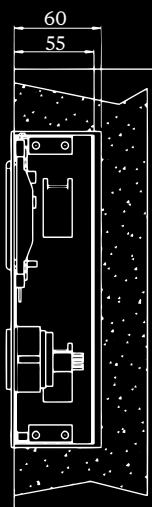
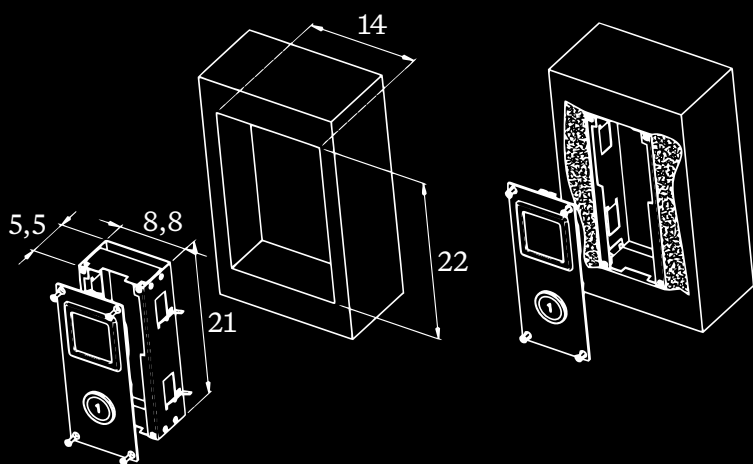
An external call button box can also be provided for use as a remote sender to move the lift between two specified floors. The remote sender is supplied as a single button with no display panel.

**Dimensions:**

Without display: 130 × 70 × 55 mm  
With display: 220 × 95 × 55 mm



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# SHAFT





G  
P  
D

# METALLIC SHAFT

## ALTURA GOLD / GOLD PRO

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Altura Gold lifts are provided with a metallic shaft, fitted with either solid panels or glass panels, and an inner ceiling.

The standard height of the shaft at the upper floor is 2430 mm, but can be higher than this if required (e.g. for aesthetic reasons). Please allow an additional clear height of min. 20 mm between the top of the shaft and the ceiling of the building to leave space for the installer to fit the uppermost shaft section.

The machine side is generally installed against a load-bearing wall. Where this is not possible, an additional reinforcement frame must be ordered. Any parts of the machine-side that are not against a wall can be covered with solid panels. The other three sides are fitted with solid panels or glass panels.

The shaft is powder coated with an orange peel finish (coarse grade) and painted with a gloss level of 80-90 in a RAL colour of choice. If no colour is specified, the shaft is painted in RAL 9010 (pure white).



### **Solid panels**

The solid shaft panels are made from polyurethane with steel plate and finished in gloss paint with a choice of RAL colour. If no colour is chosen, the panels are painted white (RAL 9010). The panels have a classified fire resistance of Bs2d0.

### **Dimensions:**

Thickness: 30 mm

Height: 1000 mm (standard)



### **Glass**

Panoramic panels made from laminated and toughened glass can be ordered as an option, with a choice of transparent glass or four different tints (shown on p. 63).

The glass panels are 8/9 mm thick and are fitted in aluminium profiles. As an option the profiles can be painted in choice of RAL colours (see note on p. 26).

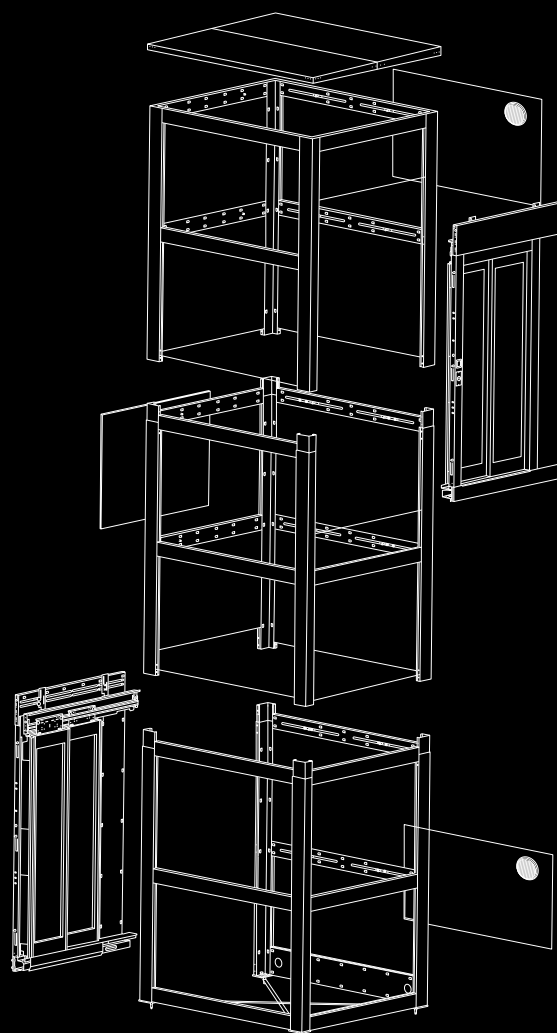
# SHAFT

## ALTURA PLATINUM AND DIAMOND

The Altura Platinum and Diamond can be delivered with a metallic shaft or installed in a masonry shaft. The metallic shaft is free of rivets and silicon. It is weatherproof and suitable for seismic conditions.

The required headroom of the shaft at the upper floor (the height from the top floor to the top of the shaft) is between 2450–2630 mm, depending on the type of roof and landing doors: see table below. This includes a free height of 30 mm above the shaft for installation purposes. Elongation of the shaft is possible.

The shaft is powder coated with an orange peel finish (coarse grade) and painted with a gloss level of 80-90 in a RAL colour of choice, or in a selection of metallic colours. (See p. 26 for RAL options and p. 63 for metallic colours). If no colour is specified, the shaft is painted white (RAL 9010).



### Shaft ceiling types

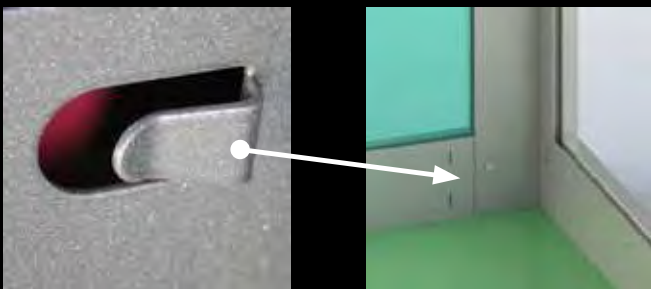
The shaft is available with diagonal bars, a flat roof or an inclined roof. The roof is in one or two pieces, depending on the shaft dimensions.

### Shaft height at upper floor:

Model	Installation	Open cabin	Folding / swing doors	Sliding doors
Concrete shaft	Indoor or outdoor	2300 mm	2350 mm	2450 mm
Metal shaft with diagonal bars	Indoor	2450 mm	2450 mm	2590 mm
Metal shaft with flat roof	Indoor	2470 mm	2470 mm	2610 mm
Metal shaft with inclined roof	Outdoor	2490 mm	2490 mm	2630 mm

## EASY-SNAP SYSTEM

A snap-lock fastening system provides quick and easy installation of the horizontal and vertical shaft frames, without the need for any additional fastening elements. An alternative shaft with silicon sealing is available for Altura Platinum.

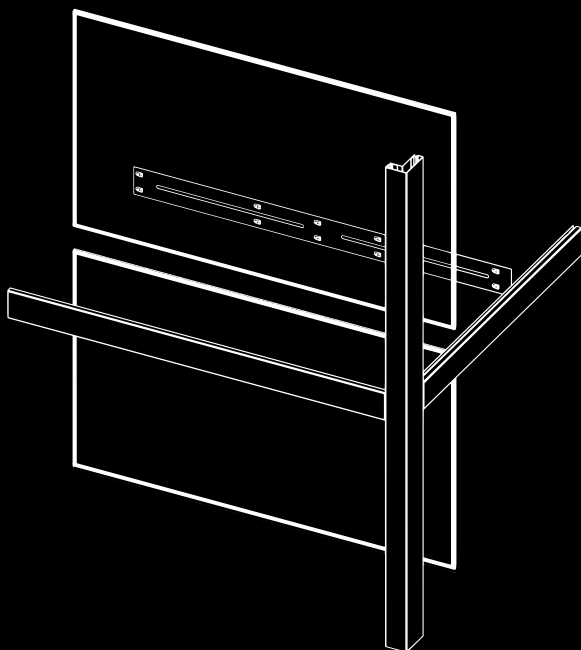


### ⊕ Note: seismic conditions

The shaft structure is designed to be used in locations where a seismic event can occur. 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.

However, it is not possible to state a priori the 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 behaviour and the resistance capacities of the structure also depend on its geometry and boundary constraint conditions.

Specific verification may be necessary according to local regulation. Please contact us for further information in specific cases.





# SHAFT PANEL OPTIONS



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The metallic shaft is available with plain painted steel or glass panels.

All four sides of the shaft are clad with panels in steel or glass, and fitted with a special gasket for water management. The top and bottom panels of the shaft are fitted with round axial ventilators to reduce the effect of condensation inside the shaft.

### Steel panels

Galvanized steel, painted with standard RAL colour or a metallic colour from the selection opposite.

### Glass panels

laminated safety glass 8/9 mm (4+0.76+4), in choice of five different glass types.

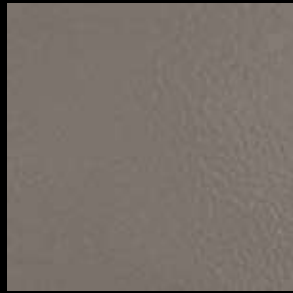
The shaft can have a mixture of steel and glass sides. Steel panels are recommended for the G-side.

## Metallic Colours

In addition to the standard RAL range (see note p. 26), the following metallic colours are available for the shaft, the shaft panels, and the landing doors (both sliding and swing doors).



R06



R07



R09

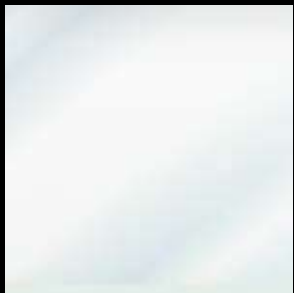


R10

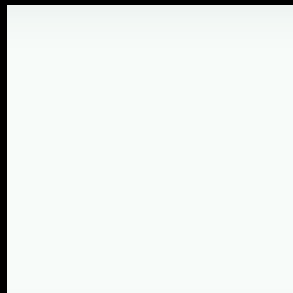
## Glass Panels

The following glass options are available for shaft panels and for glass panels in landing swing doors.

63



Transparent



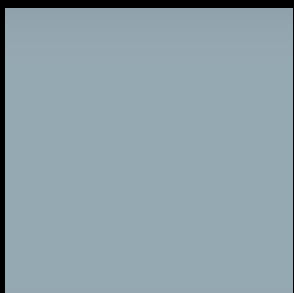
Opaque



Semi-reflective



Smoky Grey



Smoky Satin

# SHAFT

## ADDITIONAL INFORMATION

### Optimised packaging

The packaging is optimised to reduce logistics costs and to minimise the risk of breakages during transportation. To reduce the amount of time and work needed at the installation site, the lift is prepared at the factory as follows:

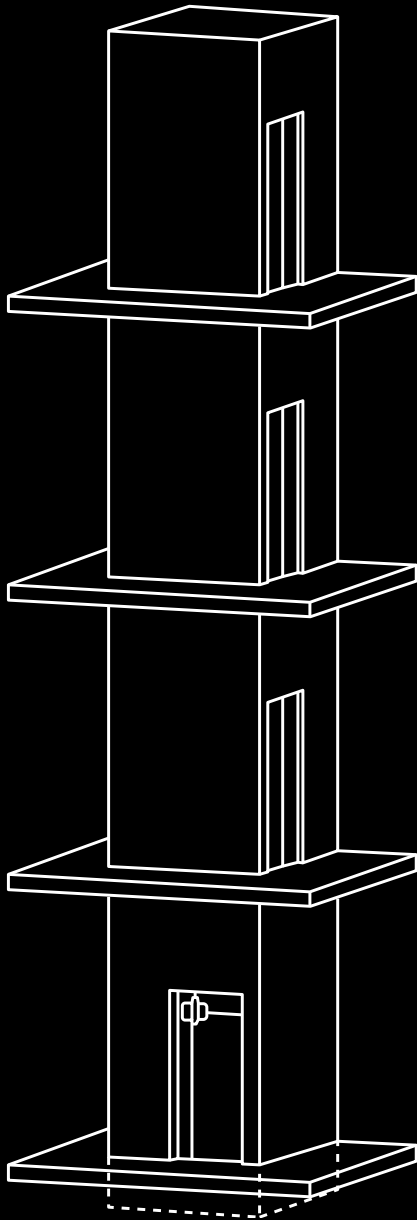
- The lift is delivered with the main parts already assembled to reduce the installation time;
- Electrical cables are pre-wired and prepared with connectors;
- Small parts are packaged into separate and clearly identified boxes;
- T-guides are cut to measure, and are supplied in parts with a maximum length of 3000 mm;
- Shaft sections are supplied with a maximum length of 2500 mm;
- An installation tool kit to assist with safe and easy installation can be ordered.

### Outdoor Installation

When the lift is installed outdoors, the following points should be noted:

- The lift must be installed above ground level. The pit must be drained, with water directed away from the lift.
- The shaft and doors are not watertight. The lift and the main cabinet must be protected from rain. An outdoor kit for the shaft is available with small canopies for the landing doors. These must be used when there is no roof over the landing doors.
- Installation in a salt or chlorine environment is not recommended.
- Caution should be taken when installing the shaft in strong direct sunlight or extreme cold. An air treatment specialist should be consulted to ensure safe temperatures for those using the lift.





250 mm pit required

## PIT REQUIREMENTS

The standard pit depths for each lift are shown below. Where the cabin is prepared for the customer's own flooring, an additional 20 mm is required.

Model	Pit depth
Altura Gold	50 mm
Altura Platinum	120 mm
Altura Diamond	140 mm

⚠ The Altura Diamond home lift must not be installed where accessible spaces exist below the shaft.

In cases with a concrete shaft where the access at the lowest landing is the only one on that side of the shaft, a 250 mm pit is required so that the door mechanism can be accessed during installation and maintenance. This situation is shown on the diagram above.



# SHAFT

## AUXILIARY SYSTEMS

### SERVICE PANEL – ALTURA GOLD

The service panel is used for maintenance purposes and for operating the lift in an emergency.

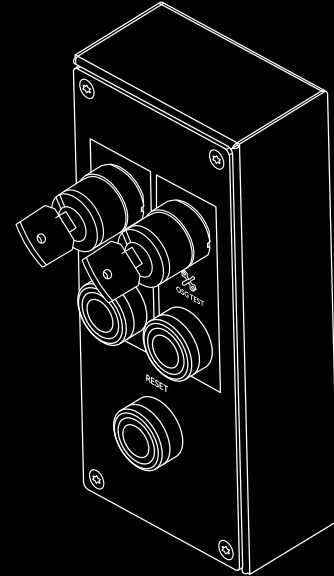
#### **Altura Gold**

The service panel on the Altura Gold is always fitted in a separate wall-mountable box, with a cable connecting it to the electrical cabinet.

- Box dimensions: 220 × 95 × 57 mm, excluding key
- Finish: stainless steel satin

#### **Altura Gold Pro**

The service panel is located in the electrical cabinet as standard, but it can also be ordered in a separate box as for the Altura Gold.



## ELECTRICAL AND HYDRAULIC CABINETS

#### **Altura Gold**

The electrical cabinet is fitted inside the shaft at the lower floor next to the guides. The service panel is mounted outside the lift, with a cable connecting it to the electrical cabinet.

#### **Altura Gold Pro**

The electrical cabinet is fitted inside the shaft at the lower floor. The service panel is always accessible from the outside the shaft on either the A or C side (to be determined at the point of order).

### Altura Platinum

The electrical cabinet and the hydraulic control unit are housed in a separate cabinet. This can be ordered as an option with the lift, or the customer may supply their own cabinet according to the specifications set out in the pre-installation manual.

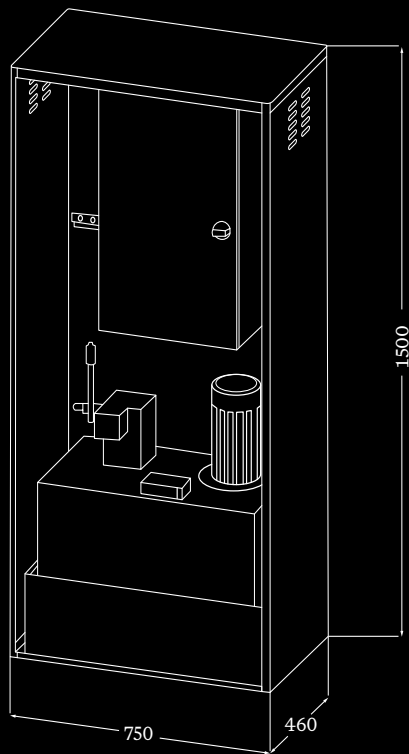
As standard, the cabinet is painted with RAL7001 (silver-grey), or as an option it can be painted in a RAL colour of choice.

Cabinet dimensions: 750 × 460 × 1500 mm

The cabinet is normally positioned at a maximum distance of 5m from the lift. Optionally, special cabling can be ordered to extend this distance up to 10m.

When used outdoors, the cabinet should be placed in an area where it is protected from rain, or provided with a canopy, to avoid water infiltration. It should not be exposed to aggressive or corrosive conditions.

An oil heater for the hydraulic unit is required for use below 5°C.



Altura Platinum electrical and hydraulic unit

### Altura Diamond

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

Optionally it can be positioned at the bottom floor next 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 when ordering.

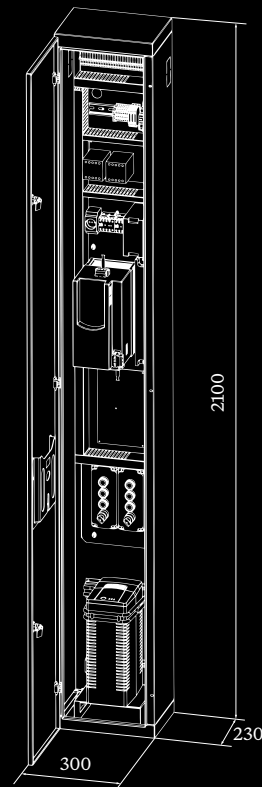
#### Finishes:

Standard: metal-like skinplate, for indoor application

Options: Stainless Steel 304 Satin for indoor use only.  
RAL paint of choice for indoor or outdoor use.

When used outdoors, the electrical cabinet should be placed in an area where it is protected from rain, or provided with a suitable cover, to avoid water infiltration into the cabinet.

Dimensions: 300 × 230 × 2100 mm



Altura Diamond electrical cabinet

# DRIVE UNITS

## STANDARD FEATURES



**Altura Gold** runs on a simple screw and nut system that is fully contained inside the shaft.

An automatic lubrication device keeps the drive screw regularly oiled and running smoothly. A power management system automatically adjusts the upwards speed of the lift so that the power consumption does not exceed the maximum power available in the building (either 3 kW or 4.5 kW).



**Altura Platinum** uses the tried and tested hydraulic drive technology that we have developed over many years of experience in the platform lift market.

A two-speed hydraulic unit is fitted as standard on all lifts.



**Altura Diamond** runs on a gearless cogbelt drive system, offering near-silent travel, with superior comfort and performance.

The cogbelt has an offset double-helix design which smooths the passage of the belt over the pulley, reducing noise and vibrations.

### Usage cycle

Altura lifts are designed for low traffic and are suitable for residential or public buildings. The lift will enter standby mode if the usage is exceeded.

The table below shows maximum travels / hour for each lift type under normal environmental conditions.

Travel height	Altura Gold and Gold Pro	Altura Platinum open cabins	Altura Platinum enclosed cabin	Altura Diamond 0.15m/s model	Altura Diamond 0.4m/s model
3 m	60	36	24	120	170
6 m	30	18	12	60	100
9 m	20	12	8	40	70

### Battery operated emergency lowering

If the power fails while the lift is between floors, a back-up power system allows the user to move the lift downwards, open the doors and leave the lift by simply pressing any destination button on the control panel. The emergency lowering can also be activated externally from the landing control panel or from the service panel.

### Battery protection

The power system continuously monitors the back-up batteries to ensure that they are not damaged and that they always hold enough power to run the lift in an emergency. If the back-up battery power level falls below a pre-defined level, the lift cannot be used and will switch itself off until the back-up power level is restored.

### Soft start and stop

A soft start and soft stop device ensures a smooth and comfortable ride. The soft start and stop settings are pre-programmed at the factory, but can be adjusted on-site if required.

### Safety first

Altura lifts are fully certified to European safety standards. The electronic systems are SIL3 certified by a third party, exceeding standard regulatory requirements for the home lift market. For the greatest possible security, the over-speed governor and the brake are run on separate systems from the main drive.

An overload device prevents the lift from running if the maximum load is exceeded.

### A-class energy rating

Standby consumption is below 50W and Altura lifts have an A-class energy rating.





# TECHNICAL DATA

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# TECHNICAL SPECIFICATIONS

## ALTURA GOLD AND GOLD PRO

⊕ Altura lifts operate on a standard 230 V single phase power supply

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**Altura Gold**



**Altura Gold Pro**

<b>Compliance</b>	European Machine Directive 2006/42/EC	European Machine Directive 2006/42/EC European Standard EN 81-41
<b>Drive system</b>	Screw/nut system	
<b>Rated speed</b>	Max. 0.15 m/s	
<b>Rated load</b>	250 kg	325 kg or 400 kg (depending on platform size)
<b>Travel (minimum – maximum):</b>	900 – 12000 mm	
<b>Platform sizes</b>	800 × 580 mm 800 × 845 mm 800 × 1100 mm	1400 × 900 mm (rated load 325 kg) 1400 × 1000 mm (rated load 325 kg) 1400 × 1100 mm (rated load 400 kg)
<b>Minimum distance between intermediate floors</b>	Opposite accesses: 250 mm Adjacent and same side accesses: 2300 mm	Opposite and adjacent accesses: 250 mm Same side accesses: 2300 mm
<b>Number of stops</b>	Max. 6 stops per lift	
<b>Doors</b>	Max. 1 door per floor / 6 doors per lift	Max. 2 doors per floor / 12 doors per lift
<b>Pit</b>	50 mm (when no pit is possible, an access ramp is required).	
<b>Shaft top height</b>	Minimum 2430 mm	
<b>Platform control</b>	Constant pressure – hold to run	
<b>Landing control</b>	Automatic – one-touch call	
<b>Environment</b>	Indoor	
<b>Emergency lowering</b>	Battery operated emergency lowering	
<b>Control voltage</b>	24 V	
<b>Motor</b>	1.5 kW	2.2 kW
<b>Power requirements</b>	1-phase 230 V AC 50/60 Hz. Max Power 3 kW	1-phase 230 V AC 50/60 Hz. Max Power 4.5 kW
<b>Circuit breaker / RCD</b>	16 A tripping curves C / 30 mA class A or B	

# TECHNICAL SPECIFICATIONS

## ALTURA PLATINUM



	Open sided – hold-to-run	Enclosed cabin – automatic control
<b>Compliance</b>	European Machine Directive 2006/42/EC Reference standard EN 81-41	
<b>Drive system</b>	Hydraulic control unit with indirect chain action	
<b>Rated speed</b>	Max 0.15 m/s (2006/42/EC)	
<b>Travel (minimum – maximum)</b>	900–13,100 mm (up to 15,100 for light configurations – see table p. 81)	900–12,600 mm (up to 13,600 for light configurations – see table p. 81)
<b>Minimum distance between intermediate floors</b>	Opposite and adjacent accesses: 250 mm Same side access, masonry shaft: 2200 mm Same side access, metal shaft: 2400mm	Opposite and adjacent accesses: 250 mm Same side access, masonry shaft: 2460 mm Same side access, metal shaft: 2550 mm
<b>Number of stops</b>	Maximum 6 stops per lift	
<b>Doors</b>	Maximum 2 doors per floor / 12 doors per lift	
<b>Types of access</b>	Frontal, lateral, opposite or adjacent	
<b>Pit</b>	120 mm when used with a metallic shaft. If a pit is not possible, the lift can be used with a ramp. For masonry shafts, see note p. 65.	
<b>Shaft type</b>	Metallic shaft supplied with lift, or existing masonry shaft.	
<b>Shaft top height</b>	Minimum 2100 mm depending on shaft type and doors. See table p. 81	Folding doors: minimum 2240 mm Sliding doors: minimum 2450 mm
<b>Landing control</b>	One-touch	One-touch with call reservation
<b>Display panels</b>	Cabin display and optional landing displays, with TFT screen	
<b>Application</b>	Indoor or outdoor, between -5° and +40° C. Oil heating device required below +5°C	
<b>Emergency lowering</b>	Battery operated emergency lowering	
<b>Control voltage</b>	24 V	
<b>Maximum power</b>	3kW	4.5kW
<b>Power requirements</b>	1-phase 230 V AC 50/60 Hz	
<b>Circuit breaker / RCD</b>	16A tripping curves C / 30 mA class A or B	
<b>Rated load</b>	250 - 450 kg depending on cabin size	250 - 400 kg depending on cabin size
<b>Cabinet</b>	External cabinet for electrical panel and hydraulic unit. Dimensions 750 × 1500 × 460 mm	



# TECHNICAL SPECIFICATIONS

## ALTURA DIAMOND



### Product Codes

Model Code	Max Speed	Certification
BL41	0.15 m/s	CE type approved
BL46	0.3 m/s	Available in selected countries outside Europe
BL47	0.35 m/s	
BL48	0.4 m/s	

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<b>Compliance</b>	European Machine Directive 2006/42/EC Reference standard EN 81-41
<b>Drive system</b>	Cogbelt and counterweight system, driven by a gearless motor
<b>Rated speed</b>	Europe; max. 0.15 m/s (2006/42/EC). Up to 0.4 m/s outside Europe, where permitted by local regulations
<b>Travel (minimum – maximum)</b>	1100 – 18000 mm
<b>Minimum distance between intermediate floors</b>	Opposite and adjacent accesses: 250 mm Same side access: sliding doors 2500 mm / swing doors 2300 mm
<b>Number of stops</b>	Maximum 6 stops per lift
<b>Doors</b>	Maximum 2 doors per floor / 12 doors per lift
<b>Types of access</b>	Frontal, lateral, opposite or adjacent
<b>Pit</b>	140 mm when used with a metallic shaft. If a pit is not possible, the lift can be used with a ramp. For structural shafts, see note p 65.
<b>Shaft type</b>	Metallic shaft supplied with lift, or existing masonry shaft.
<b>Shaft top height</b>	Metallic shaft: 2450 – 2630 mm Masonry shaft: 2350 – 2450 mm
<b>Cabin types</b>	Fully enclosed with sliding doors or with folding doors
<b>Controls</b>	Automatic (one-touch) controls on cabin and landing. Call reservation on landings.
<b>Display panels</b>	Cabin display and optional landing displays, with TFT screen
<b>Application</b>	Indoor or outdoor
<b>Emergency lowering</b>	Battery operated emergency lowering with UPS
<b>Control voltage</b>	24 V
<b>Motor</b>	2.8 kW
<b>Power requirements</b>	1-phase 230 V AC 50/60 Hz
<b>Maximum power</b>	1.85 kW (when used at 0.15 m/s) 3.5 kW (for up to 0.4 m/s)
<b>Circuit breaker / RCD</b>	16A tripping curves C / 30 mA class A or B
<b>Rated load</b>	250 - 400 kg depending on cabin size

# REACTION FORCES ON THE FLOOR

## ALTURA GOLD // GOLD PRO



### Reaction forces on the floor

The maximum force on the floor depends on the travel height of the lift. The force is distributed to the floor through the areas P and S shown on the diagram.

The force from the platform is distributed to the pit area P and depends on both the travel height and the model type.

The force from the shaft is distributed to the perimeter of the shaft base area S and depends on a combination of the travel height, the model type and the shaft panel type.

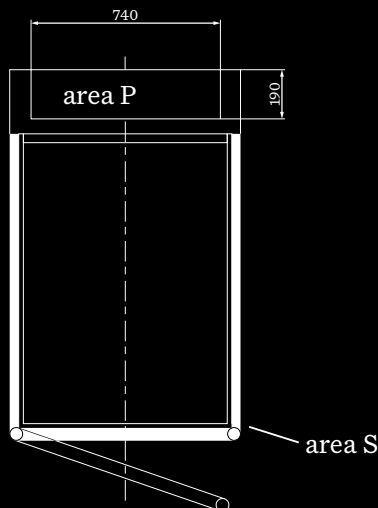
### Load from the lift on area P

Travel (m)	Altura Gold load (kN)	Altura Gold Pro load (kN)
2	6.3	9.4
3	6.5	9.6
4	6.7	9.8
5	6.9	10.0
6	7.1	10.2
7	7.3	10.4
8	7.5	10.6
9	7.7	10.8
10	7.9	11.0
11	8.1	11.2
12	8.3	11.4

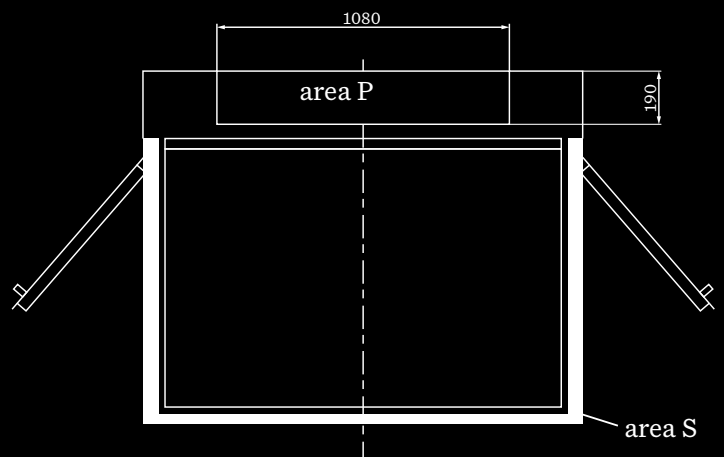
### Load from the lift on area S

Shaft height (m)	Altura Gold: load (kN)		Altura Gold Pro: load (kN)	
	Panel	Glass	Panel	Glass
4.5	2.9	4.4	3.3	5.3
5.5	3.5	5.4	4.1	6.4
6.5	4.1	6.4	4.8	7.6
7.5	4.8	7.4	5.5	8.8
8.5	5.4	8.3	6.3	10.0
9.5	6.0	9.3	7.0	11.1
10.5	6.7	10.3	7.8	12.3
11.5	7.3	11.3	8.5	13.5
12.5	7.9	12.3	9.2	14.6
13.5	8.6	13.3	10.0	15.8
14.5	9.2	14.2	10.7	17.0

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Altura Gold



Altura Gold Pro

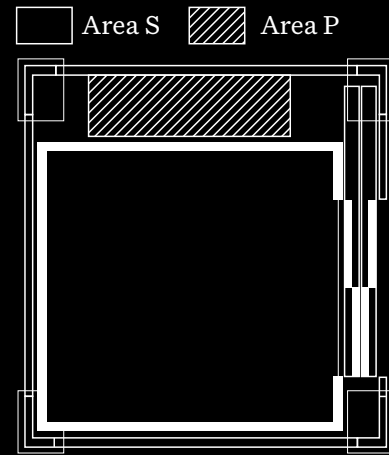
# REACTION FORCES ON THE FLOOR

## ALTURA PLATINUM AND DIAMOND

Specific details regarding the forces are provided in the technical dossier for each lift order. The information given here indicates loads under typical climate conditions (wind, snow, temperature) and typical fixings of the lift to the building.

Reaction forces from the lift to the building floor:

- The force from the lift is uniformly distributed to the base plate in pit area P, and depends on the travel height and the model version.
- The force from the shaft is distributed to the four corner plates of the shaft structure area S and depends on the travel height.
- The maximum total force depends on the travel height.



## ALTURA PLATINUM

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Lift type	Base plate / Area P dimensions
Type I (Narrow)	548 × 190 mm
Type II (Wide)	1083 × 190 mm

Load from the lift to area P

Travel (m)	Load (kN)
2	12.1
4	12.7
6	13.3
8	13.8
10	14.4
12	15
14	15.6
15	15.9

Load from the lift to area S

Travel (m)	Total (kN)	kN /corner	N/mm <sup>2</sup> / corner
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

## ALTURA DIAMOND

Lift type	Base plate / Area P dimensions
Type I (Narrow)	726 × 245 mm
Type II (Wide)	1125 × 245 mm

Load from the lift to area P

Travel (m)	BL41 Load (kN)	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)	Total (kN)	kN /corner	N/mm <sup>2</sup> / corner
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

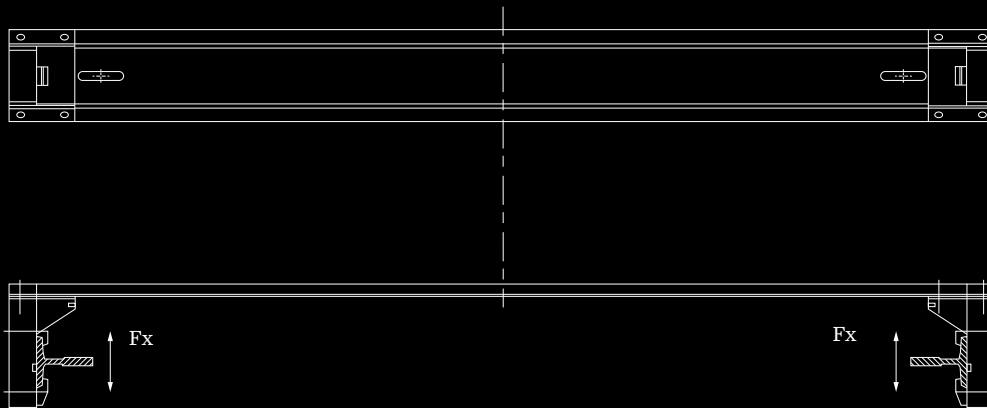
# REACTION FORCES ON THE WALLS

## Altura Gold and Gold Pro

The force from the guide rail side is distributed to the wall through each crossbeam.

The average vertical distance between each crossbeam is 1100 mm, unless the optional reinforcement frame is added, in which case this distance can be increased up to a maximum of 3,500 mm. The maximum force applied to each fixing point depends on the rated load of the lift.

Model	Rated load (kg)	Reaction force $F_x$ (N)
Altura Gold	250	550
Altura Gold Pro	325	700
Altura Gold Pro	400	950



## Altura Platinum and Diamond

Concrete shaft

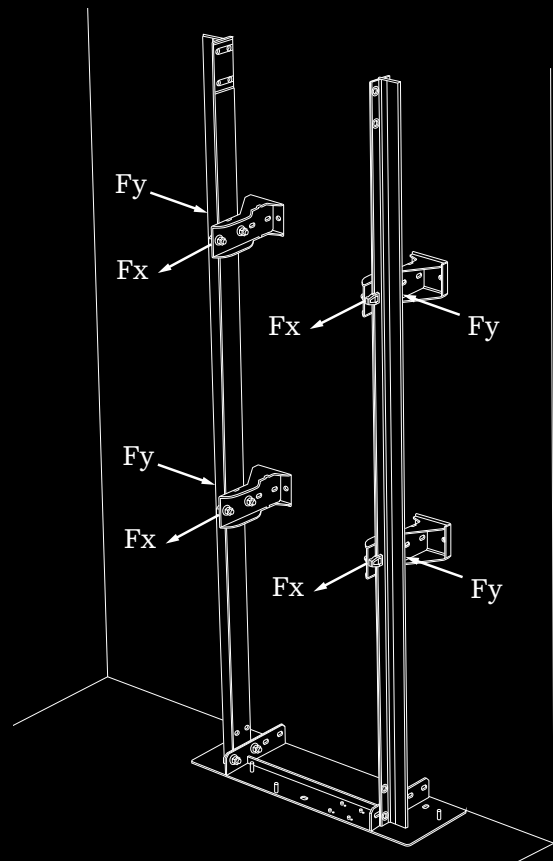
- The force is distributed to the wall through each crossbeam.
- The average vertical distance between each crossbeam is 1.1 - 1.5 m
- The maximum force applied to each fixing point depends on the lift speed.

Speed (m/s)	$F_x$ guide side [kN]	$F_y$ guide side [kN]
$\leq 0.15$	2.6	0.9

## Metal shaft

Typically, the metal structure is fixed to the building every 2000 mm in height by means of expansion bolts. A wide range of fixing solutions is available to cover the most stringent applications. Under normal conditions, loads do not exceed 3 kN for each fixing point.

Further information can be found in the Fixings Guide.





# FEASIBILITY DIAGRAMS ALTURA PLATINUM

## Narrow and wide layouts

The Altura Platinum is provided with two different layouts according to the cabin dimensions:

Lift Type	Distance between guides	Cabin width min - max
Type I (Narrow)	390 mm	750 - 1199 mm
Type II (Wider)	945 mm	1200 - 1600 mm

### Product codes:

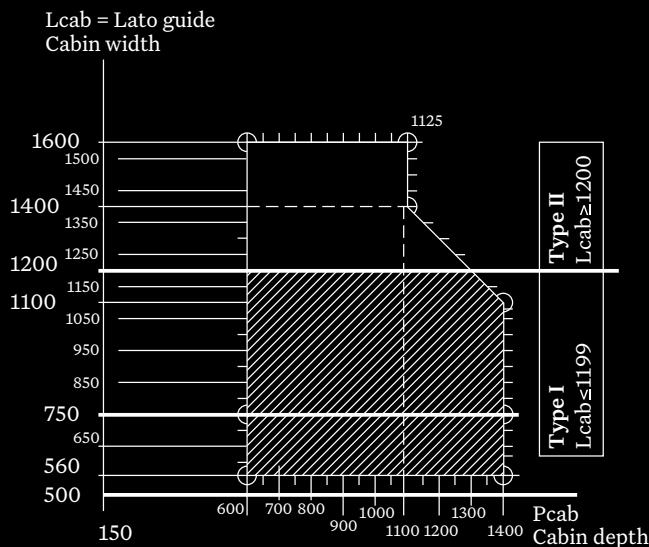
- FPR - Full panel wall with ceiling
- NDC - Cabin without doors
- FDC - Cabin with folding doors
- SDC - Cabin with sliding doors

The following feasibility diagrams indicate the potential maximum rated load, according to the cabin dimensions and the type of lift.

Each Altura Platinum lift is designed to carry the minimum nominal load of 250 kg/m<sup>2</sup> in accordance with the EN code. If a higher rated load is required, this should be specified at the order stage so that the correct calculations can be applied.

Some limitations exist for higher travel and heavier cabins. Please refer to the feasibility tables on pp 82–83.

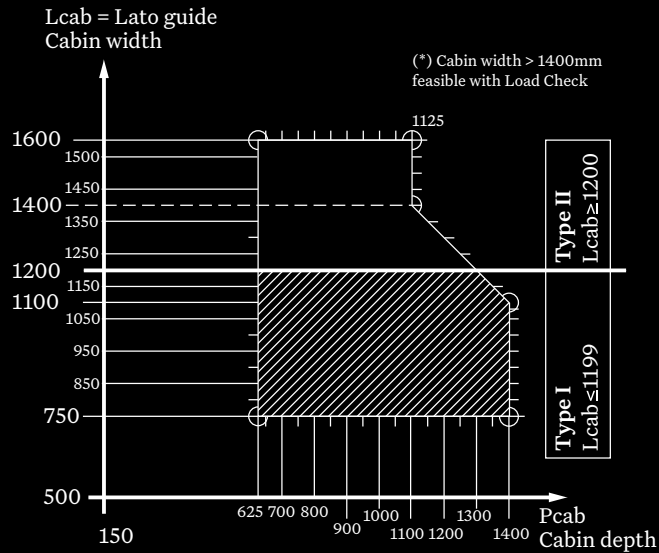
## Load diagram: Altura Platinum full height wall with ceiling (FPR)



FPC: This configuration allows for the widest and narrowest dimensions in our portfolio, from a minimum width of 560 mm up to the largest size platform of 1600 × 1100 mm.

Cabin to masonry shaft	Cabin to metal shaft (external dimensions)
SW = CW + 120	EW = CW + 200
SD = CD + 345	ED = CD + 425

### Load diagram: Altura Platinum cabin without doors (NDC)



NDC: Cabins without doors allow for the widest plan sizes, from a minimum width of 750 mm up to the largest size platform of 1600 × 1100 mm.

#### Cabin to masonry shaft

$$SW = CW + 120$$

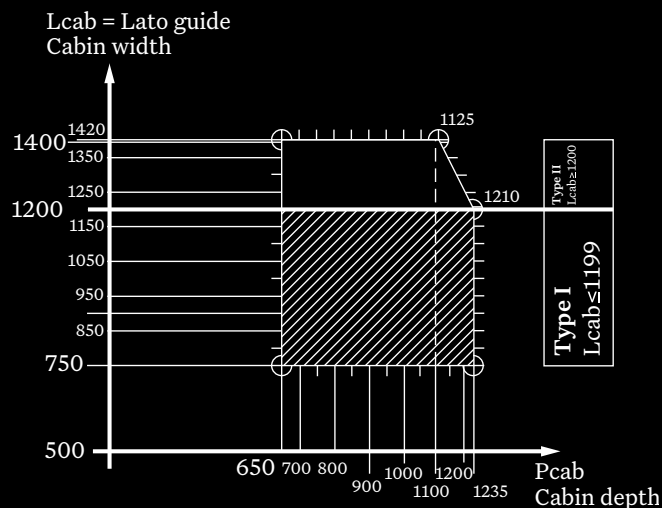
$$SD = CD + 345$$

#### Cabin to metal shaft (external dimensions)

$$EW = CW + 200$$

$$ED = CD + 425$$

### Load diagram: Altura Platinum fully enclosed cabins (FDC / SDC)



FDC - Cabin with folding doors

SDC - Cabin with sliding doors

These solutions allow for fully automatic operation. The diagram shown is optimised to offer typical configurations.

The formulae to convert from cabin dimensions to shaft dimensions depend on the cabin layout and the access sides. Please consult the technical documentation for more information.



# FEASIBILITY DIAGRAM ALTURA DIAMOND

## Narrow and wide layouts

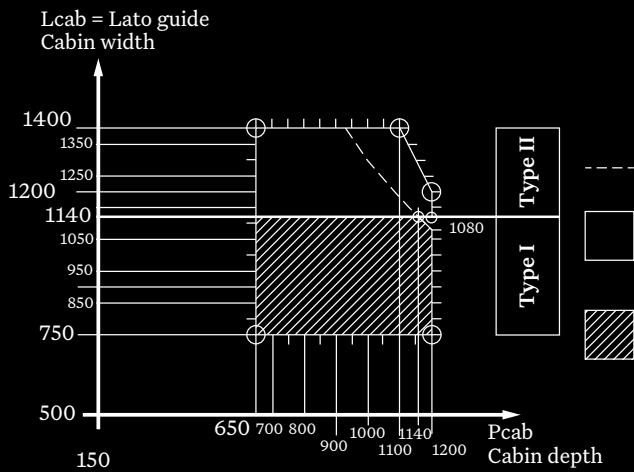
The Altura Diamond is provided with two different layouts according to the cabin dimensions:

Lift Type	Distance between guides	Cabin width min - max
Type I (Narrow)	640 mm	750 - 1139 mm
Type II (Wider)	1000 mm	1140 - 1400 mm

The feasibility diagram below indicates the potential maximum rated load, according to the cabin dimensions and the type of lift.

Each Altura Diamond lift is designed to carry the minimum nominal load of 250 kg/m<sup>2</sup> in accordance with the EN code. If a higher rated load is required, this should be specified at the order stage so that the correct calculations can be applied.

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# FREE HEIGHT PER CABIN TYPE

## ALTURA PLATINUM



The free height is defined as the space required between level of the highest floor and the upper limit of the shaft (e.g. the building roof): this is usually higher than the total height of the cabin structure and varies depending on the type of cabin and doors.

The highlighted lines show the standard configuration. We can provide reduced height solutions in situations where the recommended free space is not available.

Cabin type	Access side safety device	Cabin net height (mm)	Cabin access net height (mm)	Door access net height (mm)	Min free height for masonry shaft (mm)	Min free height for 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
Simplicity with no doors	Photocells	1920	1900	1900	2100	2350
		2020	2000	2000	2200	2450
		2100	2080	2000	2300	2450
		2200	2180	2100	2400	2550
Simplicity with folding doors	-	2020	1940	1900	2240	2350
		2100	2020	2000	2320	2450
		2200	2120	2100	2420	2550
Simplicity 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
Deluxe without doors	Photocells	2030 (*)	2020	2000	2300	2450
		2130 (*)	2120	2100	2400	2550
	Light curtains	2030 (*)	2020	2000	2300	2450
Deluxe with folding doors	-	2030 (*)	2020	2000	2320	2450
		2130 (*)	2120	2100	2420	2550
Deluxe 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

(\*) The cabin net height is reduced by 70 mm on Deluxe cabins due to the suspended ceiling



# FEASIBILITY INFORMATION GLASS CABIN WALLS AND DOORS



A feasibility check is required on Platinum and Diamond cabins when combining glass walls, doors and mirrors with other heavy elements such as stone-effect floor or external cladding panels.

There are no restrictions when combining finishes and optional items for cabins with a floor area smaller than 1.44 m<sup>2</sup> (nominal load 360 kg). For the purposes of the load calculations given here, glass refers here to any side of the cabin with a full or half-height window, glass door panels or mirrors. For Altura Platinum lifts, a feasibility check is always required for travel heights greater than 13100 mm.

The tables below summarise the available combinations based on European regulations. Outside Europe, local regulations may state a different minimum rated load, resulting in differences in the feasibility of panoramic sides.

**✓ Full availability:**

Full availability, with no restriction on additional options.

**? Check Required:**

The selected combination of floor size and glass panels may be available, but with restrictions on additional options. A feasibility check is required.

**X Not available:**

This combination is not possible due to weight restrictions.

**Simplicity cabin, 1 access**

Floor Area	Cabin sides with glass		
	1	2	3
up to 1.3 m <sup>2</sup>	✓	✓	✓
1.3–1.44 m <sup>2</sup>	✓	✓	✓
> 1.44 m <sup>2</sup>	✓	✓	✓

**Simplicity cabin, 2 accesses**

Floor Area	Cabin sides with glass		
	1	2	3
up to 1.3 m <sup>2</sup>	✓	✓	✓
1.3–1.44 m <sup>2</sup>	✓	✓	✓
> 1.44 m <sup>2</sup>	✓	✓	?

**Deluxe cabin, steel walls, 1 access**

Floor Area	Cabin sides with glass		
	1	2	3
up to 1.3 m <sup>2</sup>	✓	✓	✓
1.3–1.44 m <sup>2</sup>	✓	✓	✓
> 1.44 m <sup>2</sup>	✓	?	?

**Deluxe cabin, steel walls, 2 accesses**

Floor Area	Cabin sides with glass		
	1	2	3
up to 1.3 m <sup>2</sup>	✓	✓	✓
1.3–1.44 m <sup>2</sup>	✓	✓	✓
> 1.44 m <sup>2</sup>	?	?	X

**Deluxe cabin, laminate walls, 1 access**

Floor Area	Cabin sides with glass		
	1	2	3
up to 1.3 m <sup>2</sup>	✓	✓	✓
1.3–1.44 m <sup>2</sup>	✓	✓	✓
> 1.44 m <sup>2</sup>	?	?	?

**Deluxe cabin, laminate walls, 2 accesses**

Floor Area	Cabin sides with glass		
	1	2	3
up to 1.3 m <sup>2</sup>	✓	✓	✓
1.3–1.44 m <sup>2</sup>	✓	✓	✓
> 1.44 m <sup>2</sup>	?	X	X

# PRE-DEFINED PLANS





### **Pre-defined plans**

The following pages give a range of predefined plans, based on typical requirements, with pre-selected door layouts and types. These are offered as standard solutions.

Other dimensions and door configurations are possible, within the maximum and minimum sizes indicated in the feasibility tables. We can offer modular plan sizes, using the standard shaft structure elements, or completely customised made-to-measure plans. Please note that customised plan sizes have longer delivery times and additional costs. Dimensions and drawings for modular plan sizes and custom plans are available in a separate document.

### **Oversized masonry shaft**

As a general rule, the Altura Platinum and Diamond can be installed in a masonry shaft that is larger than the dimensions given in the standard plans, provided that the maximum gap between the cabin and the shaft wall does not exceed 150 mm.





# ALTURA PLATINUM AND DIAMOND

## PRE-DEFINED PLAN SIZES

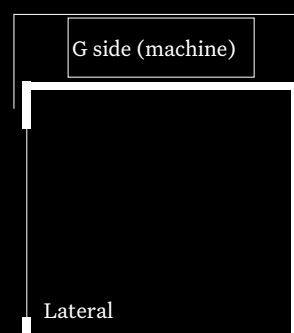
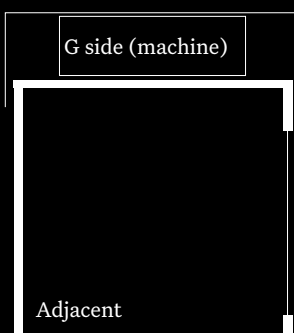
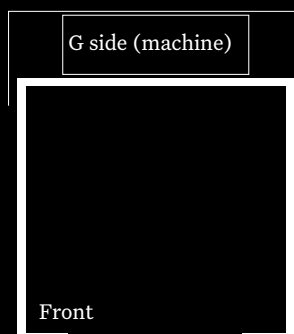
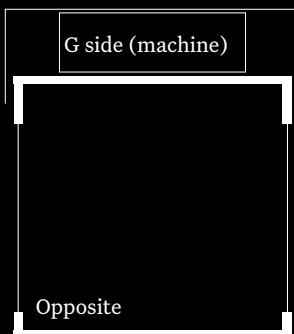
The Altura Platinum and Diamond lifts are available in eight predefined plan sizes as listed below, or the lift can be built to specific dimensions within the minimum and maximum values shown in the tables on pp 78–80.

The rated load according to EN81-41 (250 kg/m<sup>2</sup>) depends on the cabin size, access configuration and optional features, with a maximum possible load of 400 kg.

Reference	Nominal cabin dimensions (mm)	Nominal floor area (m <sup>2</sup> )	Platinum: max load (kg)	Diamond: max load (kg)
P1	900 × 1200	1.08	270	325
P2	1000 × 800	0.80	250	325
P3	1000 × 1000	1.00	250	325
P4	1200 × 1000	1.20	300	400
P5	1200 × 1200	1.44	360	400
P6	1400 × 900	1.26	315	400
P7	1400 × 1000	1.40	350	400
P8	1400 × 1100	1.54	400	400

86 A feasibility check is required for configurations above 13100 mm travel.

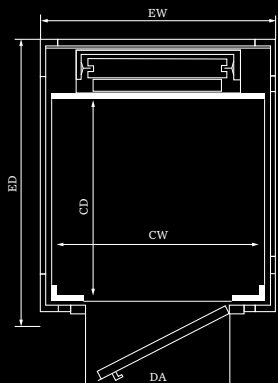
## CABIN DOOR CONFIGURATIONS



# PLATINUM: METALLIC SHAFT WITHOUT DOORS

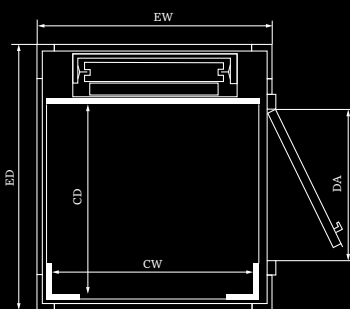


EN 81-41 configurations highlighted in white.  
For nominal sizes of each product code, see p. 86.



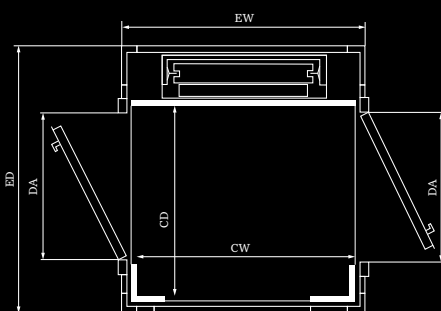
## Frontal Access

	P1	P2	P3	P4	P5	P6	P7	P8
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



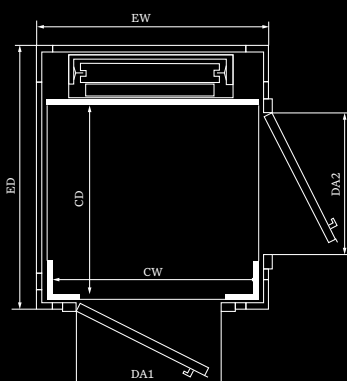
## Lateral Access

	P1	P2	P3	P4	P5	P6	P7	P8
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

	P1	P2	P3	P4	P5	P6	P7	P8
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



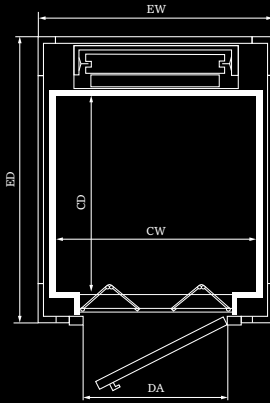
## Adjacent Accesses

	P1	P2	P3	P4	P5	P6	P7	P8
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



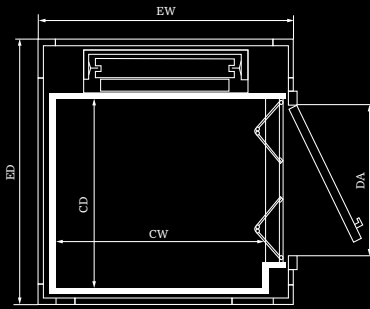
# PLATINUM: METALLIC SHAFT WITH FOLDING / SWING DOORS

EN 81-41 configurations shown in white.  
For nominal sizes of each product code, see p. 86.



## Frontal Access

	P1	P2	P3	P4	P5	P6	P7	P8
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

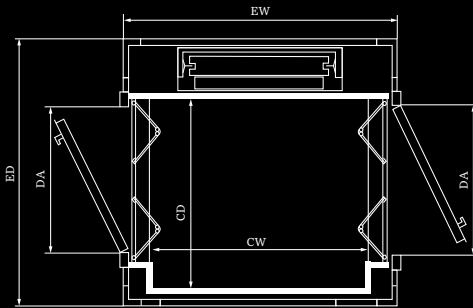


## Lateral Access

	P1	P2	P3	P4	P5	P6	P7	P8
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

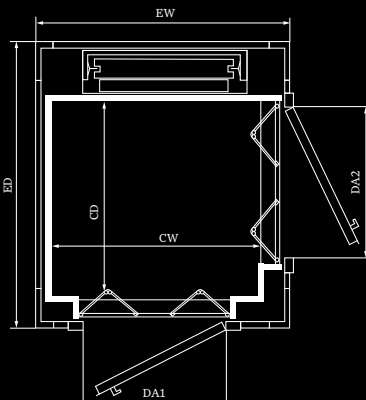


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## Opposite Accesses

	P1	P2	P3	P4	P5	P6	P7	P8
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

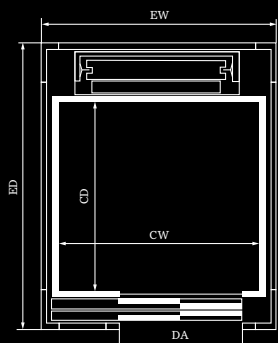
	P1	P2	P3	P4	P5	P6	P7	P8
CW	900	1000	1000	1200	1200	1400	1400	1400
CD	1225	825	1025	1025	1225	925	1025	1125
EW	1200	1300	1300	1500	1500	1700	1700	1700
ED	1750	1350	1550	1550	1750	1450	1550	1650
DA1	700	800	800	900	900	900	900	900
DA2	900	650	800	850	900	750	850	900
Rated Load	280	250	260	305	370	325	360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



# PLATINUM: METALLIC SHAFT WITH SLIDING DOORS

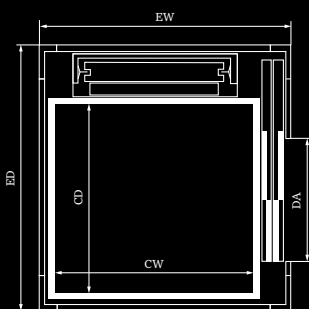


Unless otherwise stated, doors are lateral opening two panels (2P).  
 (4P) indicates four panel central opening. EN 81-41 configurations shown in white.  
 For nominal sizes of each product code, see p.86.



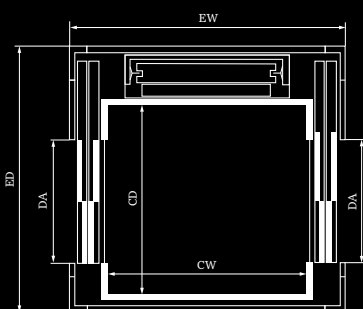
## Frontal Access

	P1	P2	P3	P4	P5	P6	P7	P8
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



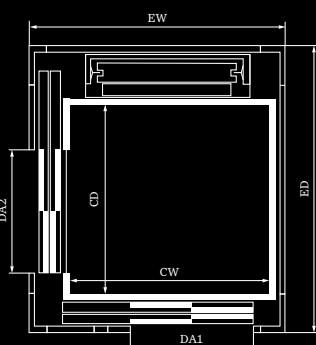
## Lateral Access

	P1	P2	P3	P4	P5	P6	P7	P8
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

	P1	P2	P3	P4	P5	P6	P7	P8
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



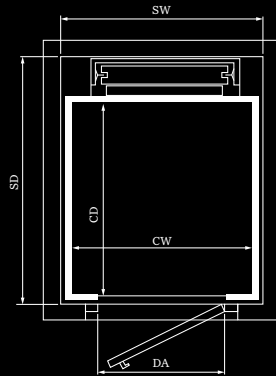
## Adjacent Accesses

	P1	P2	P3	P4	P5	P6	P7	P8
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



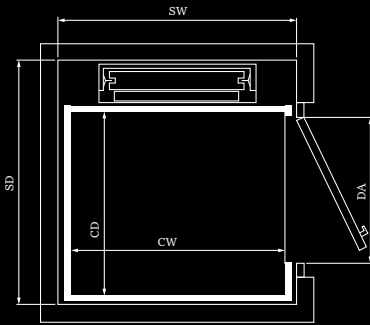
# PLATINUM: CONCRETE SHAFT WITHOUT DOORS

EN 81-41 configurations shown in white.  
For nominal sizes of each product code, see p. 86.



## Frontal Access

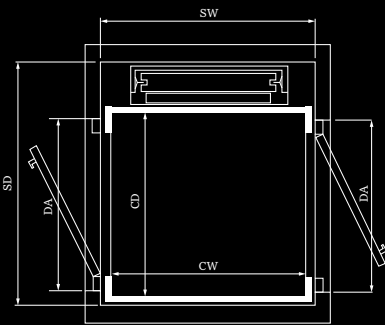
	P1	P2	P3	P4	P5	P6	P7	P8
CW	900	1000	1000	1200	1200	1400	1400	1400
CD	1225	825	1025	1025	1225	925	1025	1125
SW	1020	1120	1120	1320	1320	1520	1520	1520
SD	1570	1170	1370	1370	1570	1270	1370	1470
DA	700	700	800	900	900	900	900	900
Rated Load	280	250	260	310	370	325	360	400



## Lateral Access

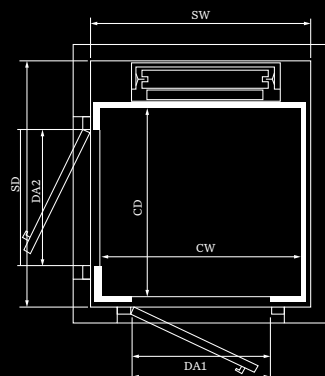
	P1	P2	P3	P4	P5	P6	P7	P8
CW	900	1000	1000	1200	1200	1400	1400	1400
CD	1225	825	1025	1025	1225	925	1025	1125
SW	1020	1120	1120	1320	1320	1520	1520	1520
SD	1570	1170	1370	1370	1570	1270	1370	1470
DA	900	700	850	900	900	800	900	900
Rated Load	280	250	260	310	370	325	360	400

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## Opposite Accesses

	P1	P2	P3	P4	P5	P6	P7	P8
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



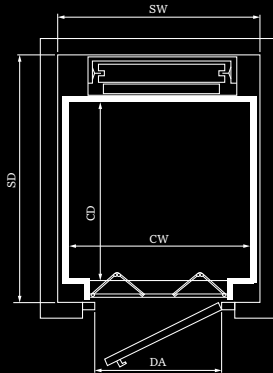
## Adjacent Accesses

	P1	P2	P3	P4	P5	P6	P7	P8
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

# PLATINUM: CONCRETE SHAFT WITH FOLDING / SWING DOORS

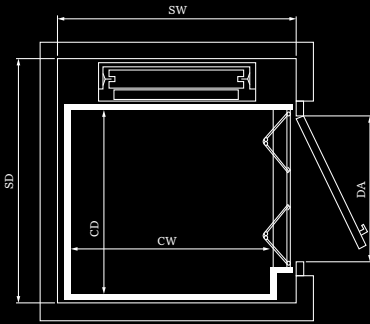


EN 81-41 configurations shown in white.  
For nominal sizes of each product code, see p. 86.



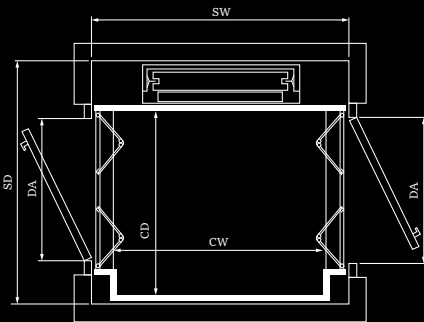
## Frontal Access

	P1	P2	P3	P4	P5	P6	P7	P8
CW	920	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



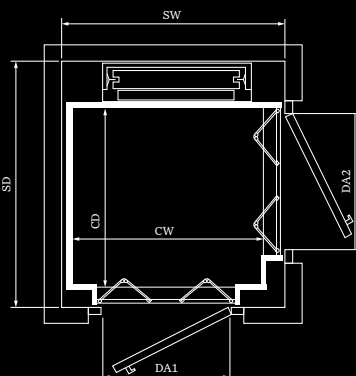
## Lateral Access

	P1	P2	P3	P4	P5	P6	P7	P8
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

	P1	P2	P3	P4	P5	P6	P7	P8
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



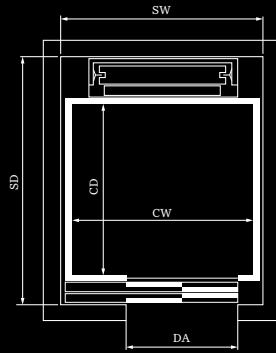
## Adjacent Accesses

	P1	P2	P3	P4	P5	P6	P7	P8
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



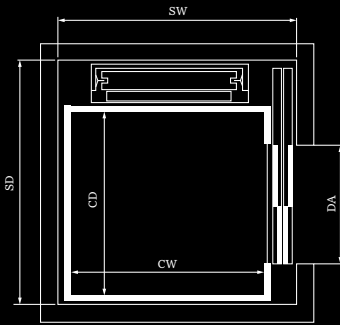
# PLATINUM: CONCRETE SHAFT WITH SLIDING DOORS

Unless otherwise stated, doors are lateral opening two panels (2P).  
(4P) indicates four panel central opening. EN 81-41 configurations shown in white.  
For nominal sizes of each product code, see p.86.



## Frontal Access

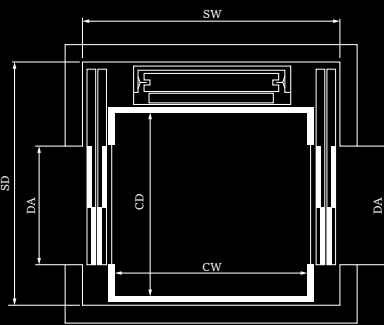
	P1	P2	P3	P4	P5	P6	P7	P8
CW	900	1080	1000	1200	-	1400	1400	1400
CD	1235	835	1035	1035	-	935	1035	1135
SW	1120	1220	1140	1340	-	1540	1540	1540
SD	1770	1370	1570	1570	-	1470	1570	1670
DA	600	600	600	700	-	850	850	850
Rated Load	280	250	260	315	-	330	365	400



## Lateral Access

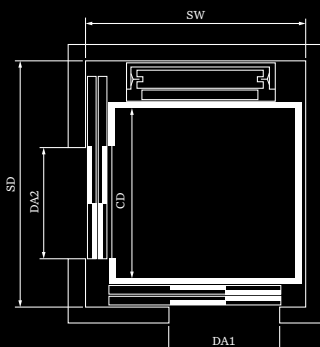
	P1	P2	P3	P4	P5	P6	P7	P8	
CW	910	1010	1010	1210	-	1410	1410	1410	
CD	1205	855	1055	1055	-	905	1055	1135	
SW	1220	1320	1320	1520	-	1720	1720	1720	
SD	1570	1220	1420	1420	-	1270	1420	1550	
DA	900	650	800	800	-	700	800	900	
Rated Load	275	250	270	320	-	320	375	400	

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## Opposite Accesses

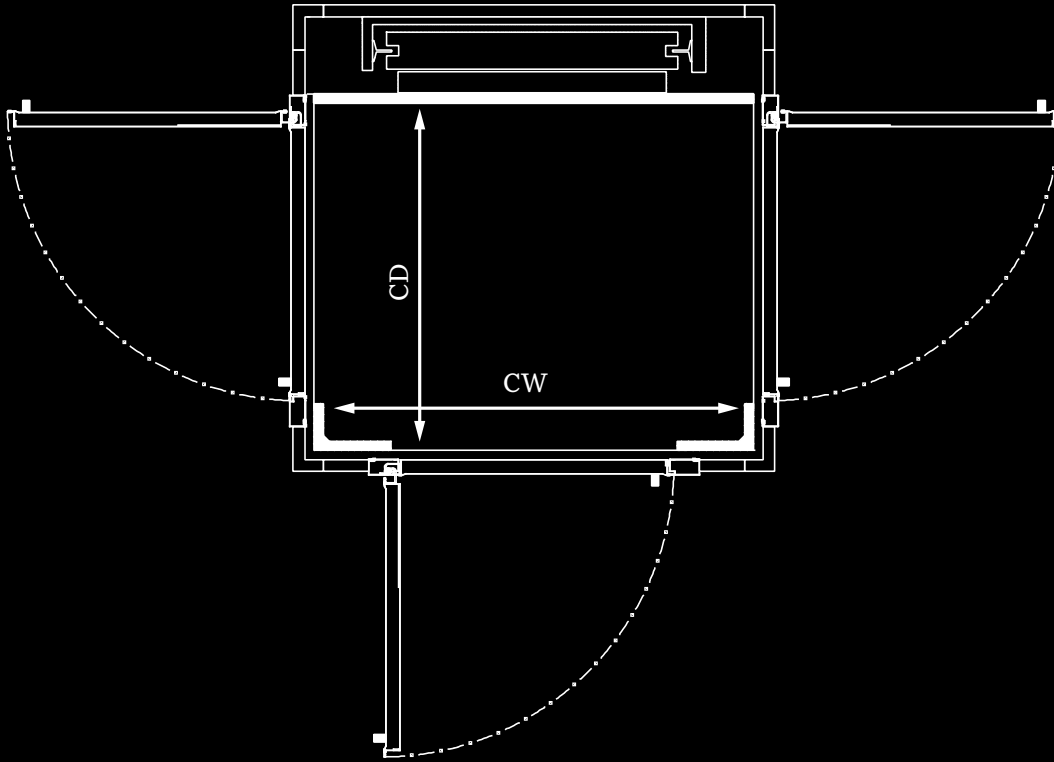
	P1	P2	P3	P4	P5	P6	P7	P8	
CW	890	1040	1040	1240	-	1400	1400	1400	
CD	1235	835	1035	1035	-	905	1035	1135	
SW	1370	1520	1520	1720	-	1880	1880	1880	
SD	1620	1220	1420	1420	-	1270	1420	1550	
DA	900	650	800	800	-	700	800	900	
Rated Load	275	250	270	325	-	320	365	400	



## Adjacent Accesses

	P1	P2	P3	P4	P5	P6	P7	P8
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

# PLATINUM: ACCESS ON THREE SIDES



In the case of lifts with full panel and ceiling, accesses on three different sides are feasible, but with a maximum of two accesses per floor.

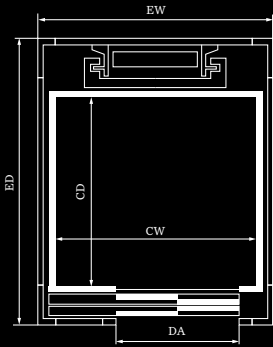
Plan dimensions are as shown on the previous pages.





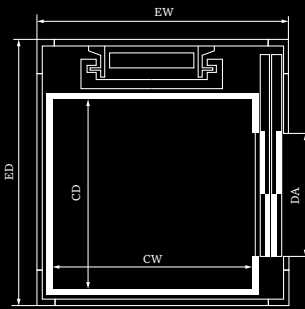
# DIAMOND: METALLIC SHAFT WITH SLIDING DOORS

Unless otherwise stated, doors are lateral opening two panels (2P).  
 (4P) indicates four panel central opening. EN 81-41 configurations shown in white.  
 For nominal sizes of each product code, see p. 86.



## Frontal Access

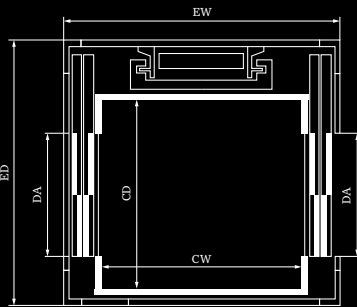
	P1	P2	P3	P4	P5	P6	P7	P8
CW	900	1080	1080	1210	-	1400	1400	1400
CD	1215	815	1015	1015	-	915	1015	1115
EW	1200	1300	1300	1450	-	1600	1600	1600
ED	1900	1500	1700	1700	-	1600	1700	1800
DA	600	600 (2P) 700 (4P)	600 (2P) 700 (4P)	750	-	850	850	850
Rated Load	275	250	275	310	-	325	360	395



## Lateral Access

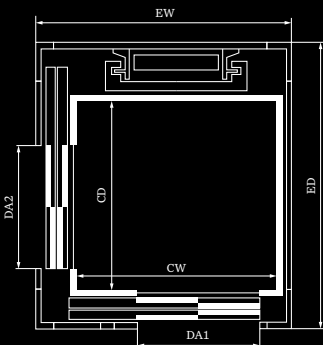
	P1	P2	P3	P4	P5	P6	P7	P8
CW	900	1010	1010	1210	-	1410	1410	1410
CD	1200	800	1000	1035	-	900	1035	1135
EW	1300	1400	1400	1600	-	1800	1800	1800
ED	1750	1300	1500	1550	-	1400	1550	1650
DA	900	650	800	800	-	700	800	900
Rated Load	270	250	255	315	-	320	365	400

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## Opposite Accesses

	P1	P2	P3	P4	P5	P6	P7	P8
CW	890	1040	1040	1240	-	1400	1400	1400
CD	1200	800	1000	1035	--	920	1035	1035
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



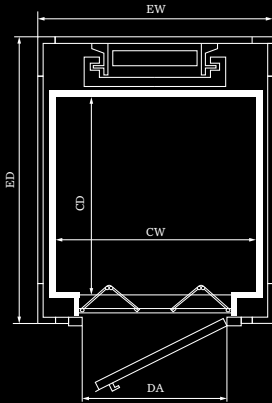
## Adjacent Accesses

	P1	P2	P3	P4	P5	P6	P7	P8
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	850 (2P) 900 (4P)	900	900	900
DA2	900	700	800	800	850 (2P) 900 (4P)	750	800	900
Rated Load	280	250	260	310	370	325	360	395

# DIAMOND: METALLIC SHAFT WITH FOLDING / SWING DOORS

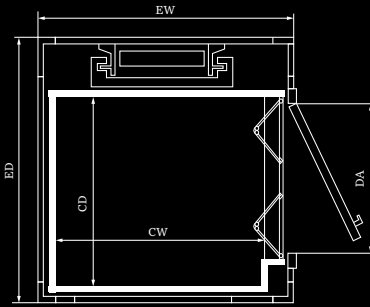


EN 81-41 configurations shown in white.  
For nominal sizes of each product code, see p. 86.



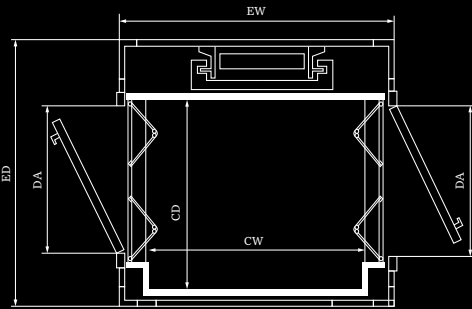
## Frontal Access

	P1	P2	P3	P4	P5	P6	P7	P8
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



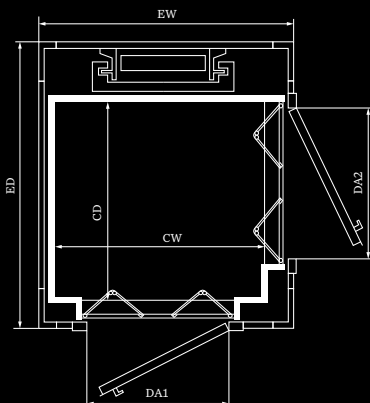
## Lateral Access

	P1	P2	P3	P4	P5	P6	P7	P8
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

	P1	P2	P3	P4	P5	P6	P7	P8
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



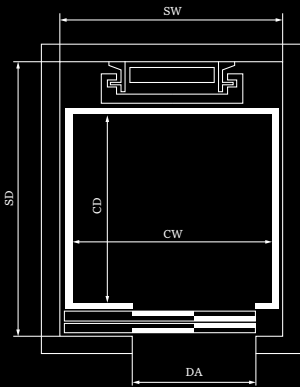
## Adjacent Accesses

	P1	P2	P3	P4	P5	P6	P7	P8
CW	900	1000	1000	1200	1200	1400	1400	1400
CD	1205	805	1005	1005	1205	905	1005	1105
SW	1200	1300	1300	1500	1500	1700	1700	1700
SD	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



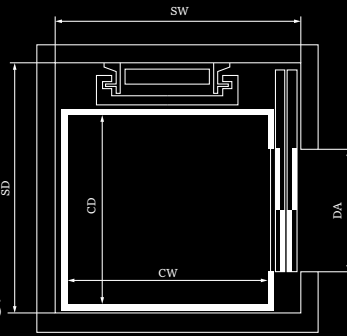
# DIAMOND: CONCRETE SHAFT WITH SLIDING DOORS

Unless otherwise stated, doors are lateral opening two panels (2P).  
 (4P) indicates four panel central opening. EN 81-41 configurations shown in white.  
 For nominal sizes of each product code, see p. 86.



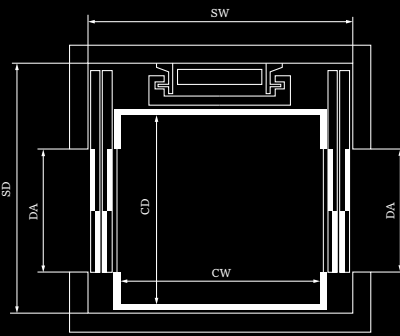
## Frontal Access

	P1	P2	P3	P4	P5	P6	P7	P8
CW	900	1080	1080	1210	-	1400	1400	1400
CD	1215	815	1015	1015	-	915	1015	1115
EW	1120	1220	1220	1350	-	1540	1540	1540
ED	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



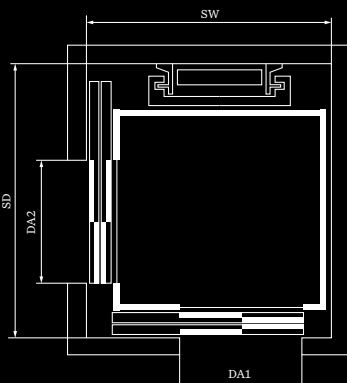
## Lateral Access

	P1	P2	P3	P4	P5	P6	P7	P8
CW	900	1010	1010	1210	-	1410	1410	1410
CD	1200	800	1000	1035	-	920	1035	1135
EW	1210	1320	1320	1520	-	1720	1720	1720
ED	1635	1235	1435	1470	-	1335	1470	1570
DA	900	650	800	800	-	750	800	900
Rated Load	270	250	255	310	-	320	365	400



## Opposite Accesses

	P1	P2	P3	P4	P5	P6	P7	P8
CW	890	1040	1040	1240	-	1400	1400	1400
CD	1200	800	1000	1035	--	920	1035	1135
EW	1370	1520	1520	1720	--	1880	1880	1880
ED	1635	1235	1435	1470	--	1355	1470	1570
DA	900	650	800	800	--	750	800	900
Rated Load	270	250	260	325	--	325	365	400



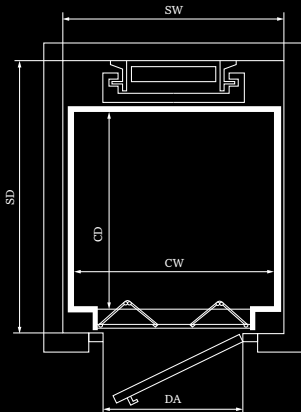
## Adjacent Accesses

	P1	P2	P3	P4	P5	P6	P7	P8
CW	910	1010	1010	1210	1210	1400	1400	1400
CD	1215	815	1015	1015	1215	915	1015	1115
EW	1220	1320	1320	1520	1520	1710	1710	1710
ED	1815	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(4P)	750	800	900
Rated Load	280	250	260	310	370	325	360	395

# DIAMOND: CONCRETE SHAFT WITH FOLDING / SWING DOORS

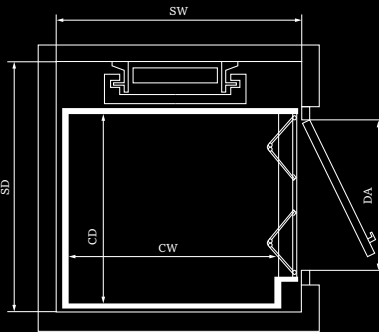


EN 81-41 configurations shown in white.  
For nominal sizes of each product code, see p. 86.



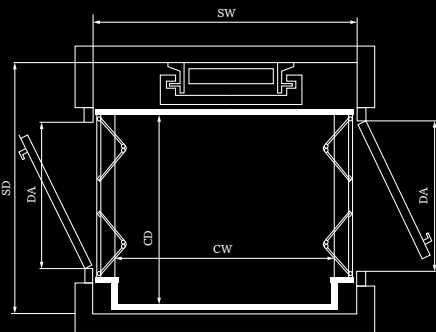
## Frontal Access

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



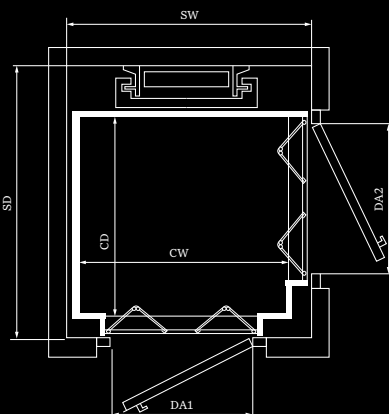
## Lateral Access

	P1	P2	P3	P4	P5	P6	P7	P8
CW	900	1000	1000	1200	-	1400	1400	1400
CD	1195	810	1010	1040	-	940	1040	1125
EW	1120	1220	1220	1420	-	1620	1620	1620
ED	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

	P1	P2	P3	P4	P5	P6	P7	P8
CW	920	1020	1020	1220	-	1420	1420	1420
CD	1195	795	1085	1040	--	940	1040	1125
EW	1220	1320	1320	1520	--	1720	1720	1720
ED	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

	P1	P2	P3	P4	P5	P6	P7	P8
CW	900	1000	1000	1200	1200	1400	1400	1400
CD	1205	805	1005	1005	1205	905	1005	1105
EW	1120	1220	1220	1420	1420	1620	1620	1620
ED	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

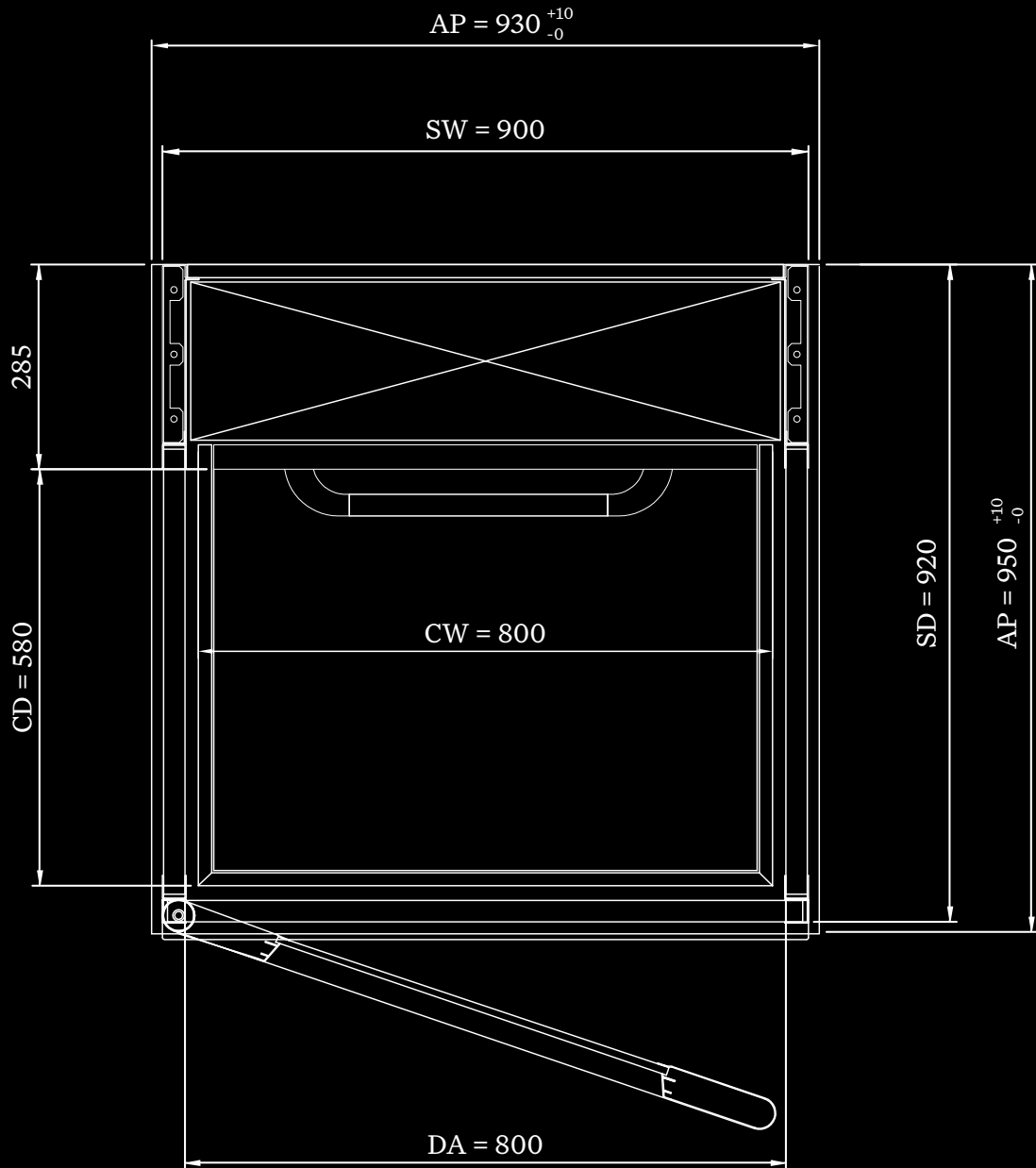
# ALTURA GOLD DRAWINGS



This section illustrates the shaft and platform dimensions for the different platform and access configurations and indicates all the possible options for the door positions.

G
P
D
**ALTURA GOLD: 800 X 580**  
**FRONT**

100



Key to drawings:

AP = Hole through floor

CD = Cabin depth

CW = Cabin width (including safety edges)

DA = Door access

SD = Shaft depth

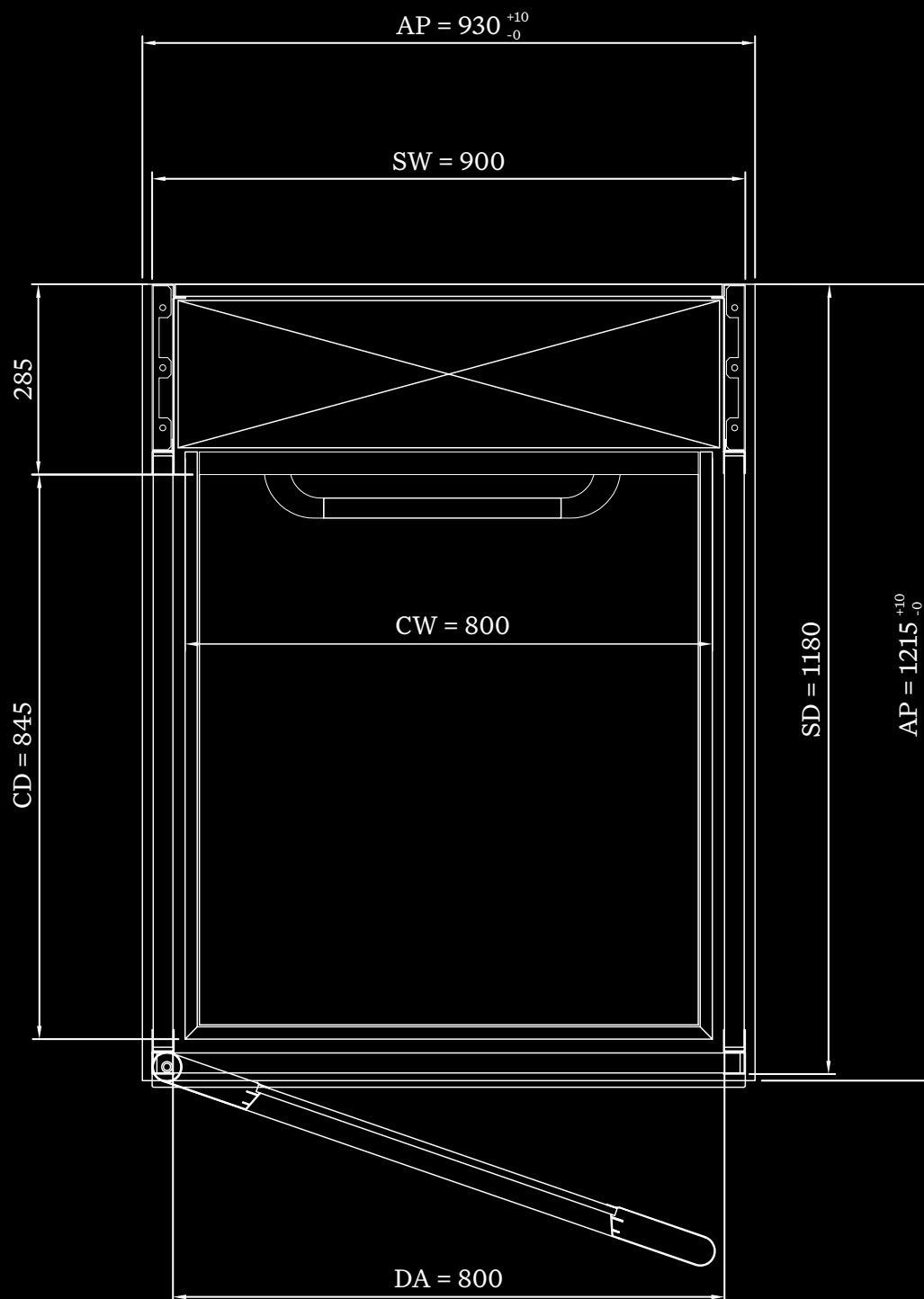
SW = Shaft width

# ALTURA GOLD: 800 x 845 FRONT

G

P

D



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**G** **ALTURA GOLD: 800 x 1100**

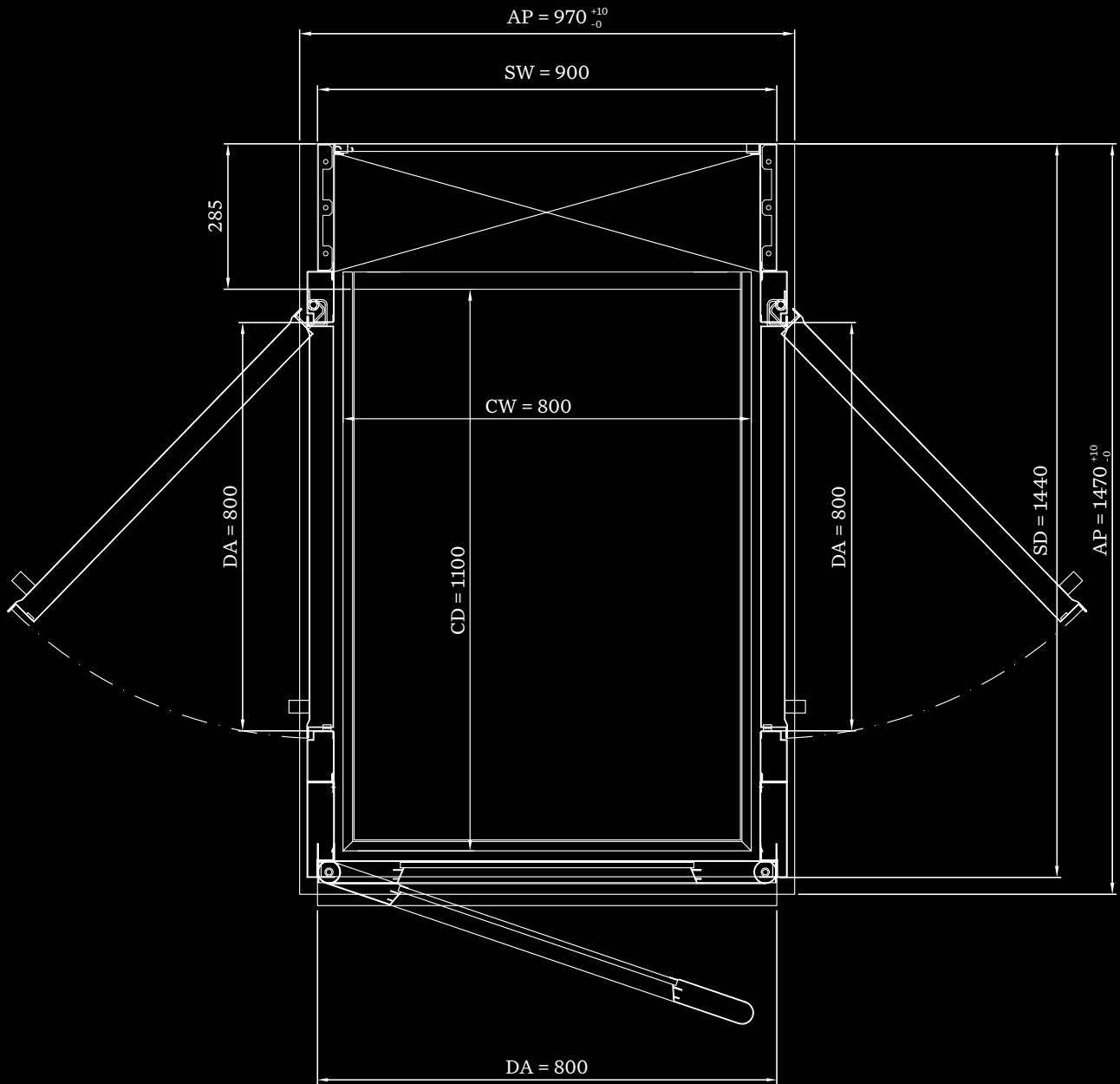
**P** **ALL DOOR POSITIONS**

**D**

The dimensions on this page show the maximum shaft sizes. Use this diagram to determine the largest possible footprint when the door position is not yet known.

Door availability: one per floor

102

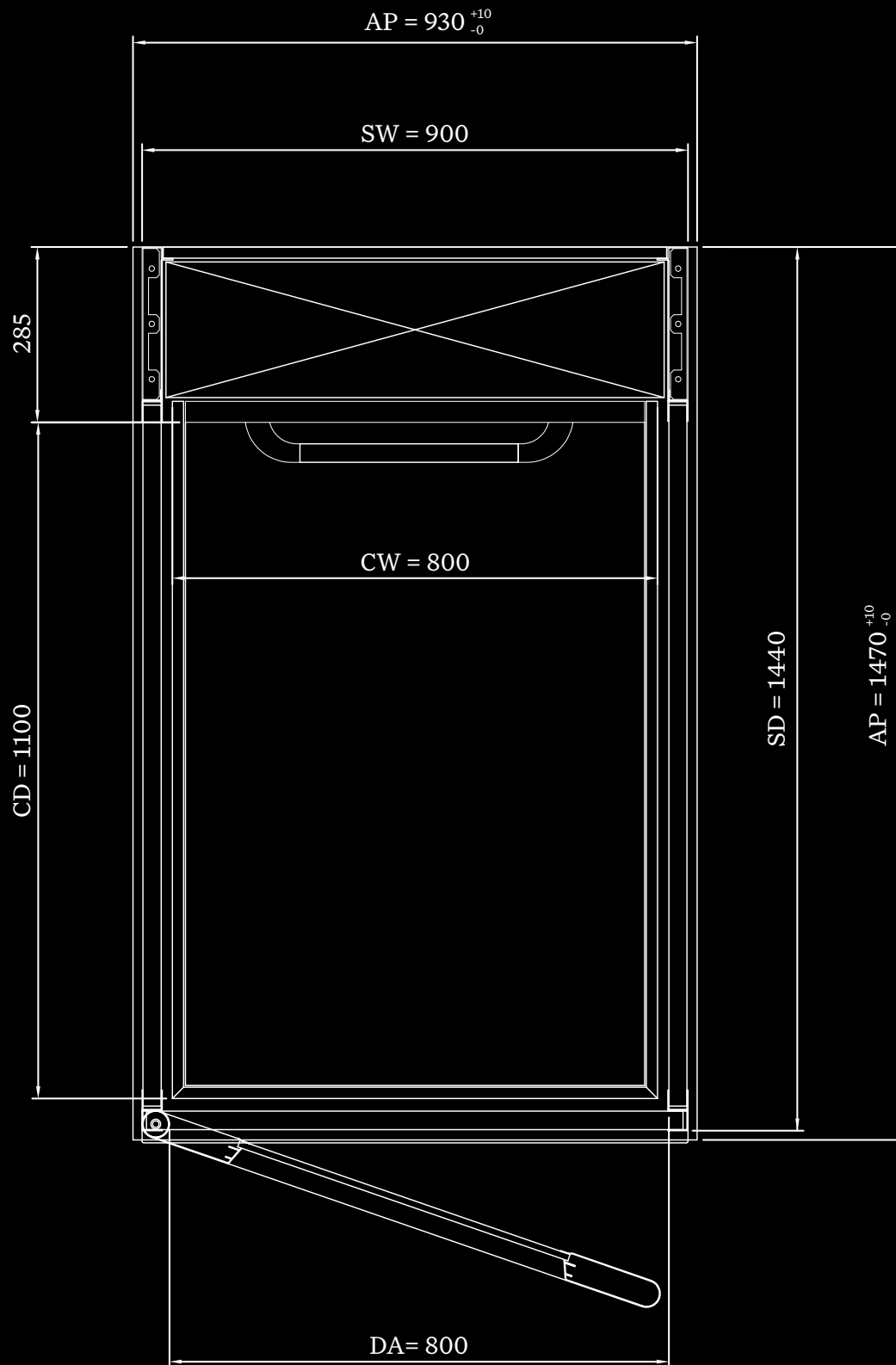


# ALTURA GOLD: 800 x 1100 FRONT

G

P

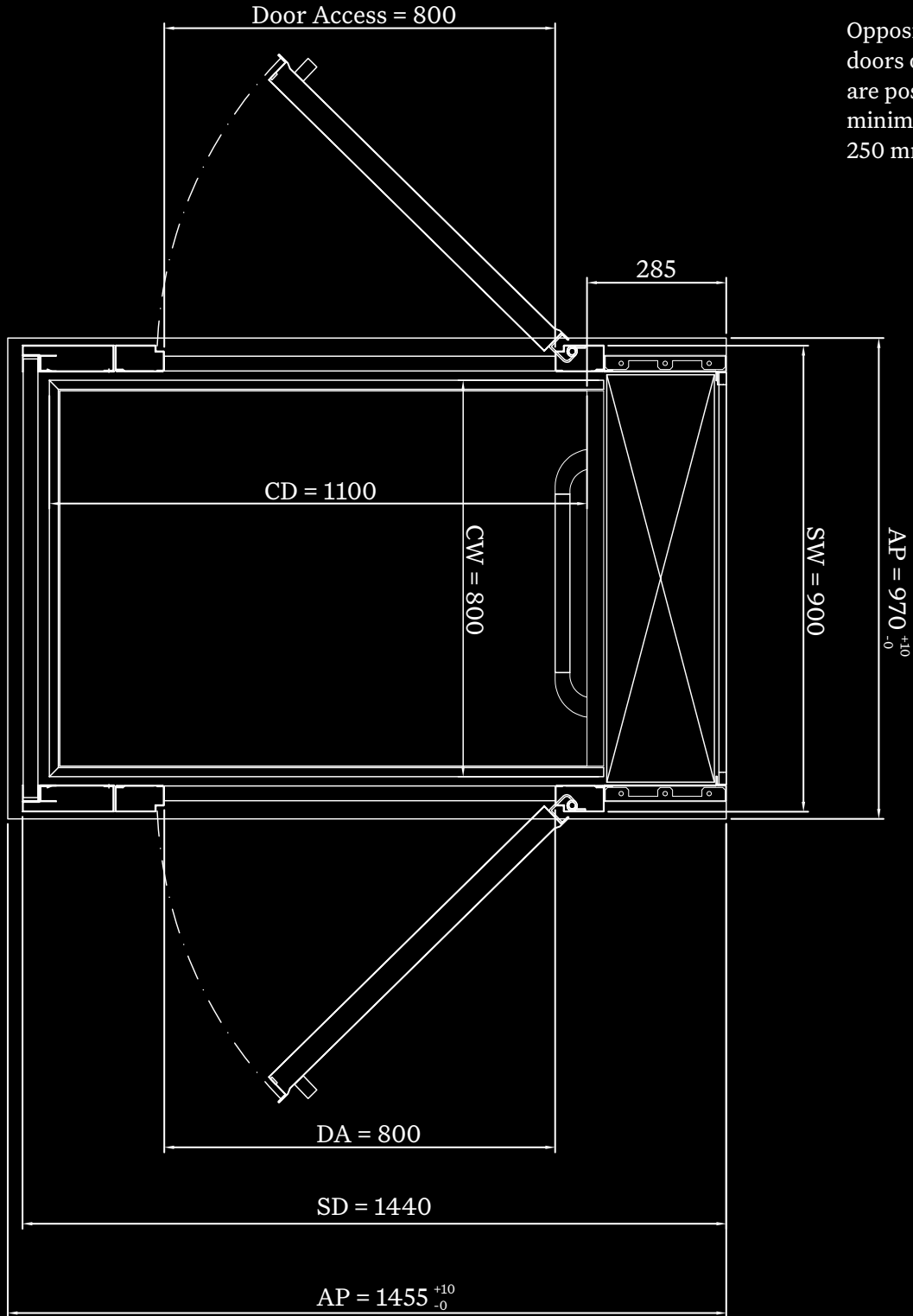
D





# ALTURA GOLD: 800 x 1100 OPPOSITE

104



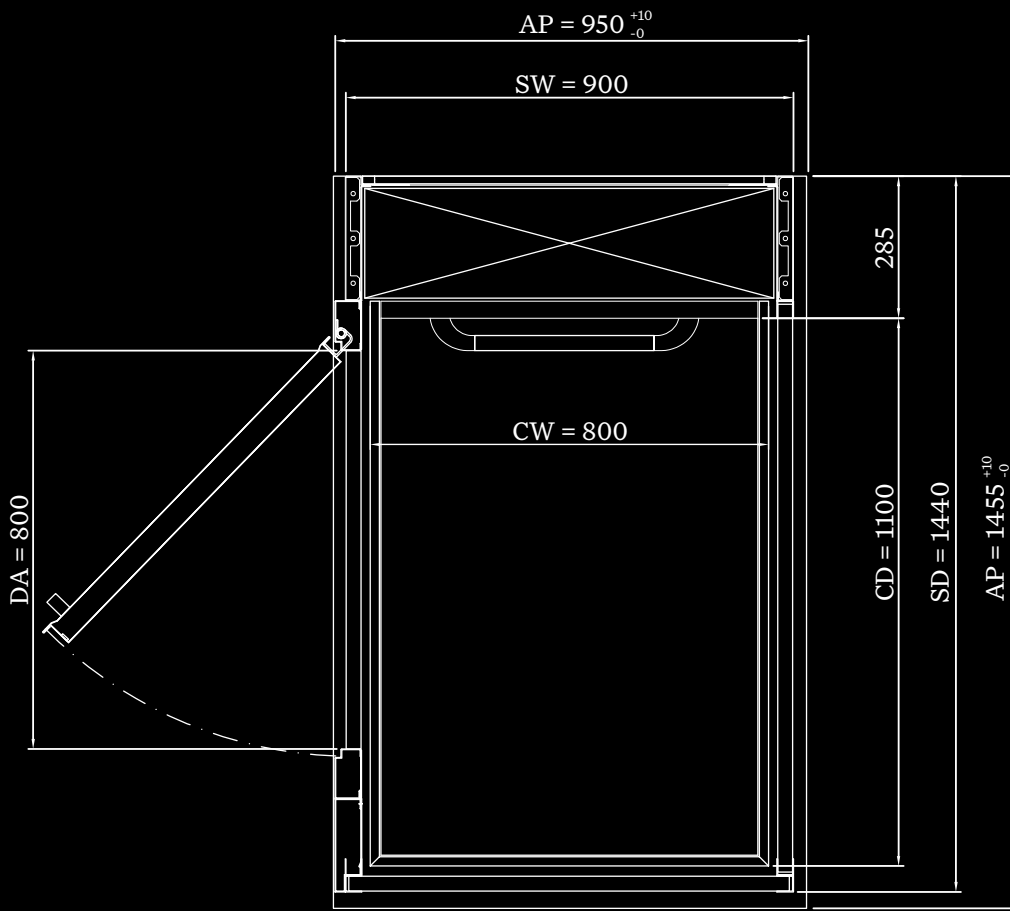
Opposite accesses with doors on different floors are possible, with a minimum distance of 250 mm between floors.

# ALTURA GOLD: 800 x 1100 LATERAL

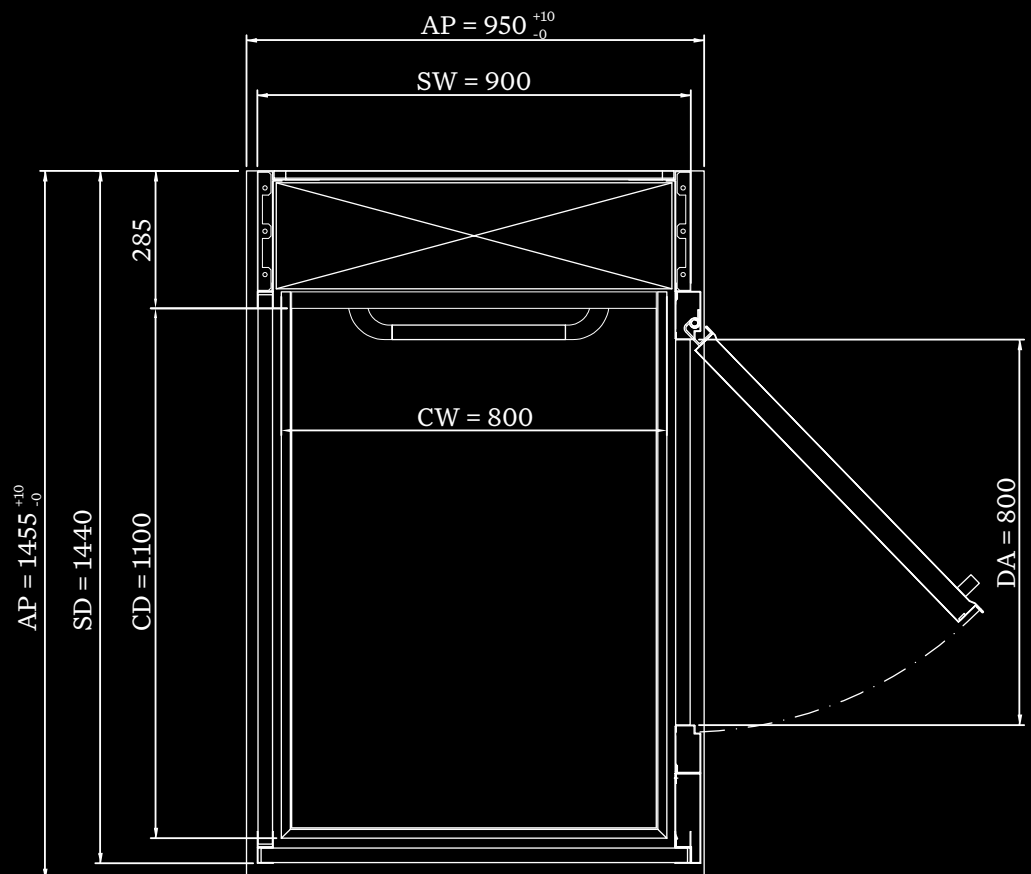
G

P

D

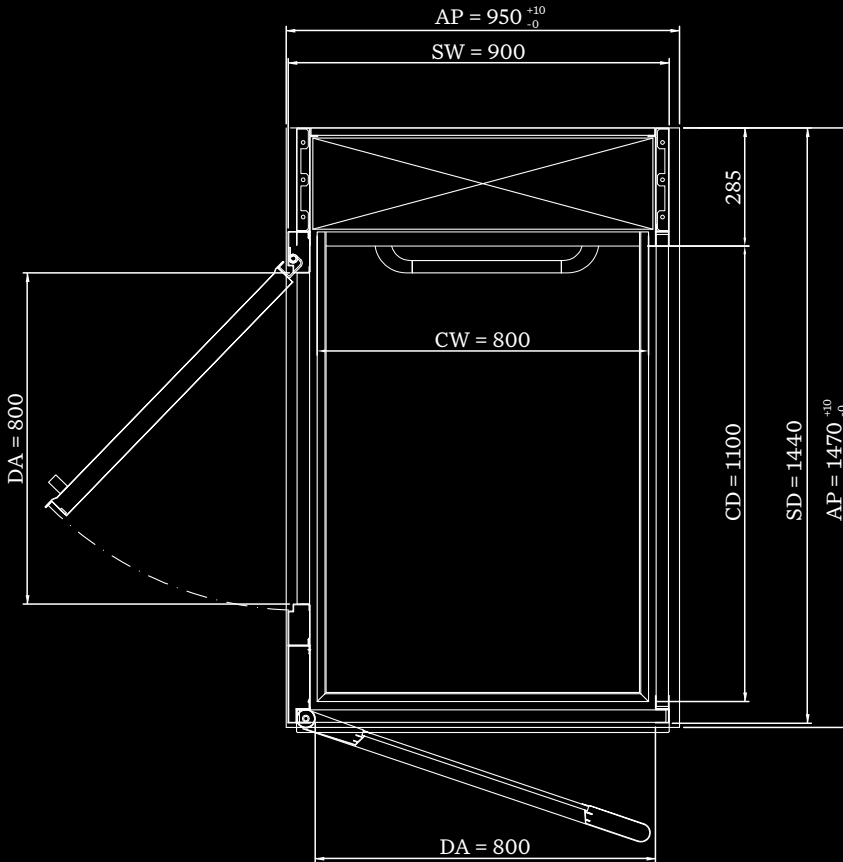


105



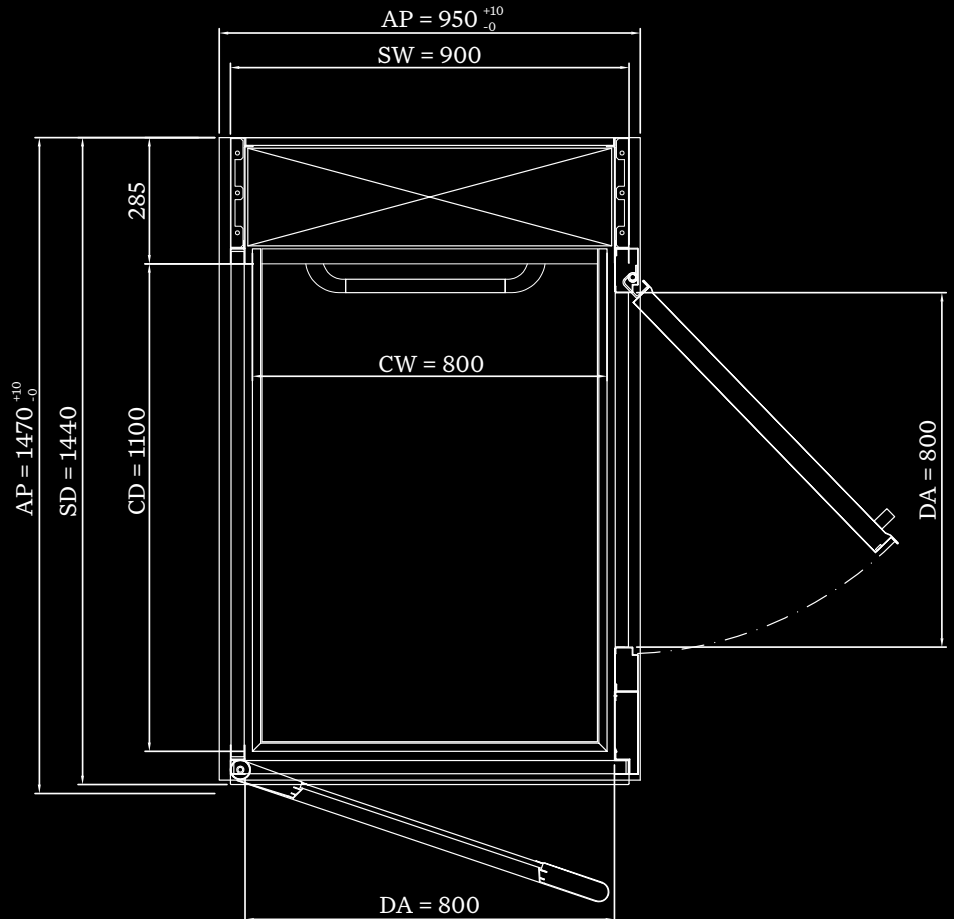


# ALTURA GOLD: 800 x 1100 ADJACENT



Adjacent accesses with doors on different floors are possible, with a minimum distance of 2300 mm between floors.

106

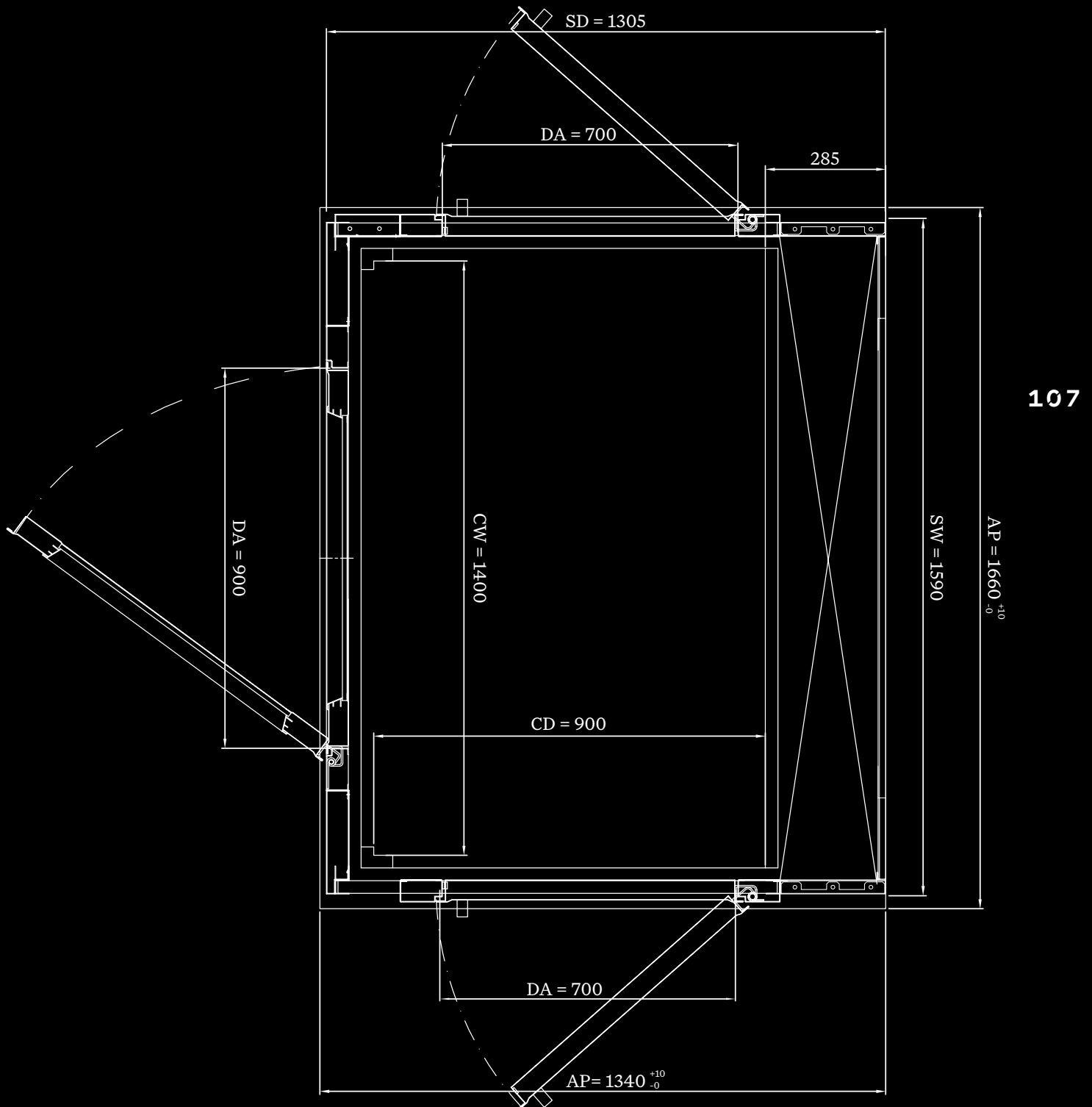


# ALTURA GOLD PRO: 1400 x 900 ALL DOOR POSITIONS

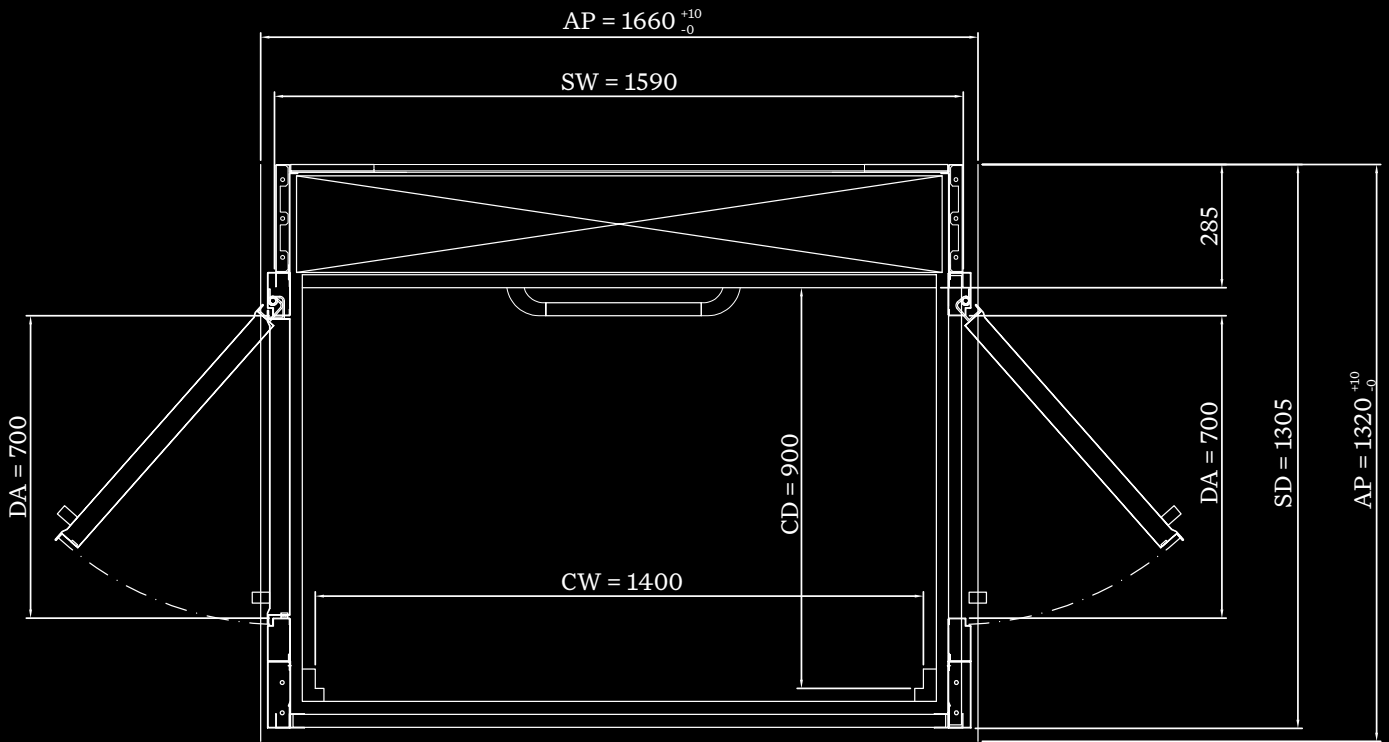


The dimensions on this page show the maximum shaft sizes. Use this diagram to determine the largest possible footprint when the door position is not yet known.

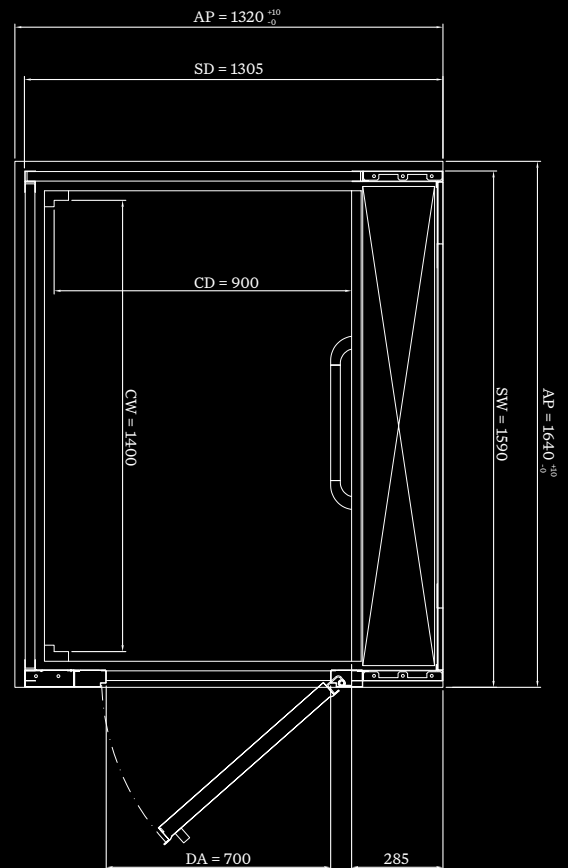
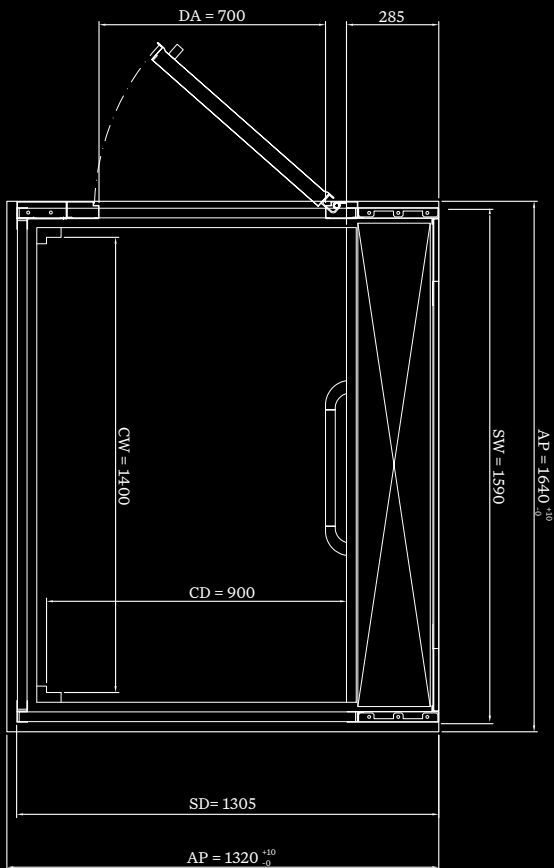
Door availability: one per floor



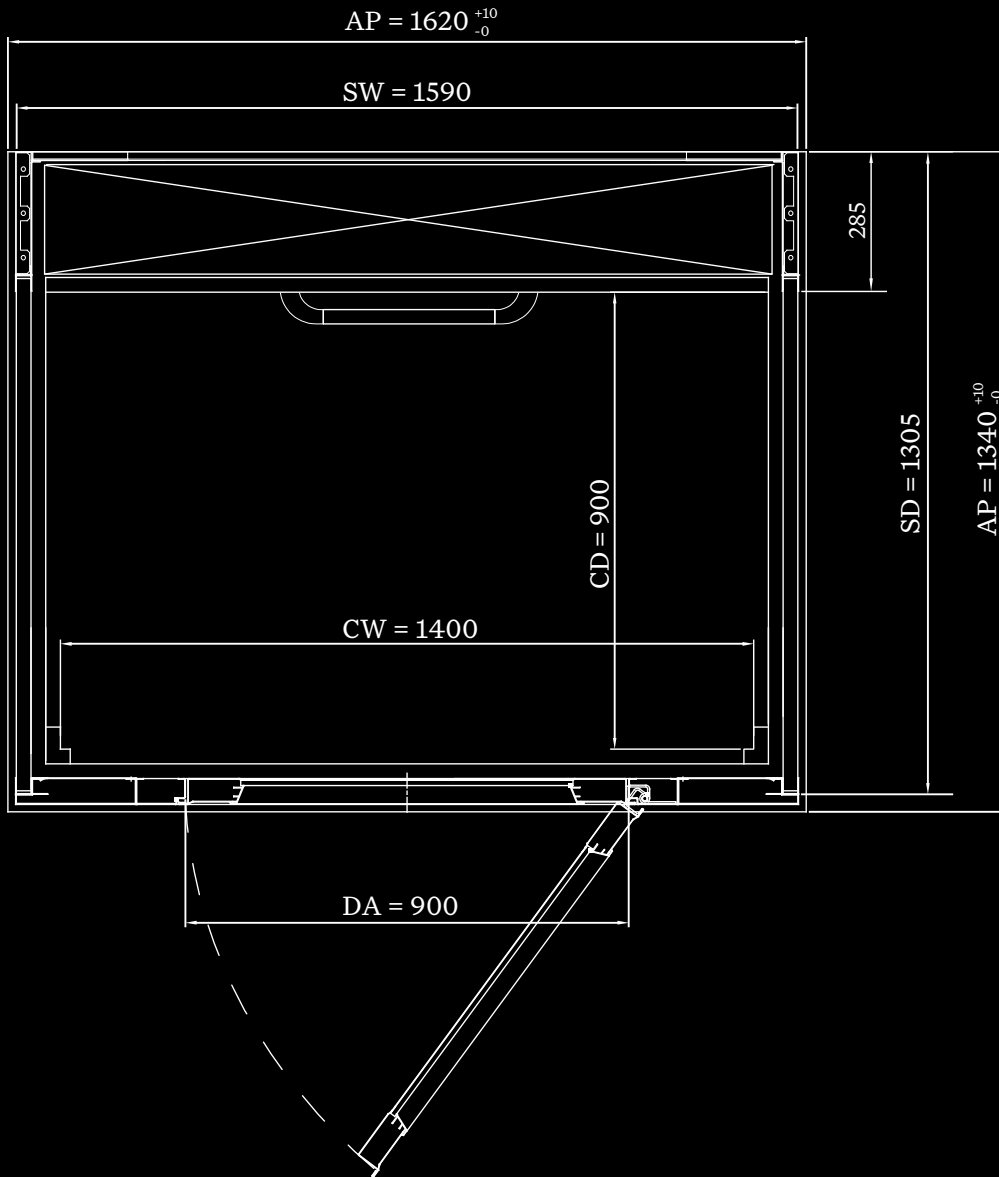
**G** ALTURA GOLD PRO: 1400 x 900  
**P** OPPOSITE AND SAME SIDE  
**D**



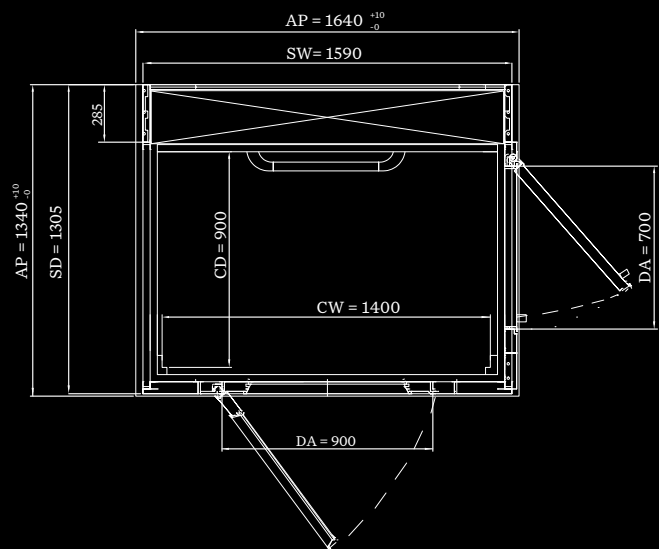
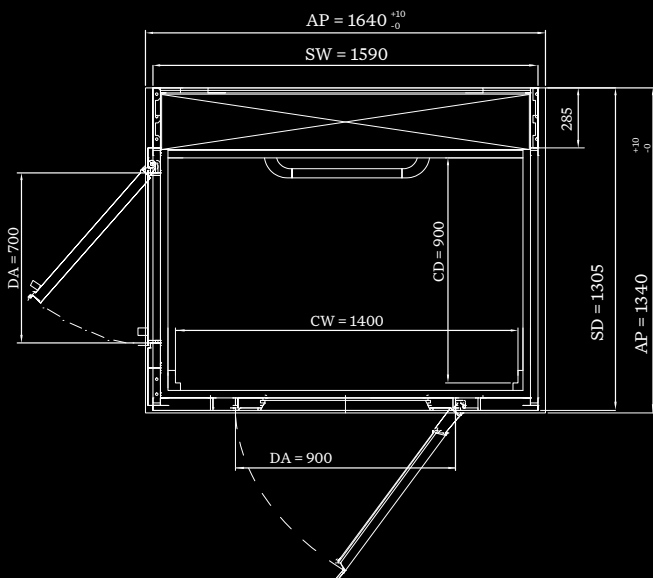
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# ALTURA GOLD PRO: 1400 x 900 FRONT AND ADJACENT



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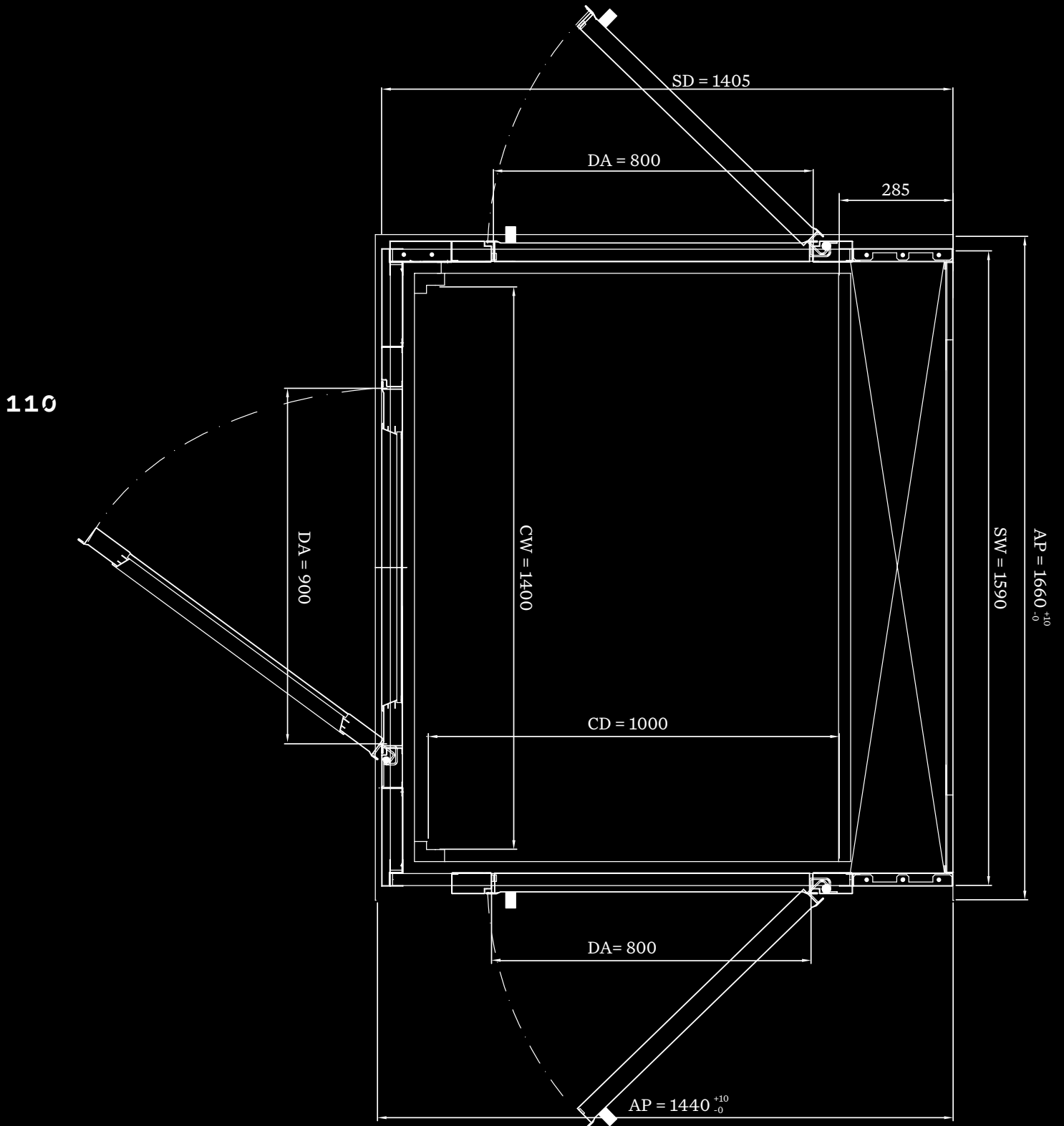


**G** **ALTURA GOLD PRO: 1400 x 1000**  
**P** **ALL DOOR POSITIONS**

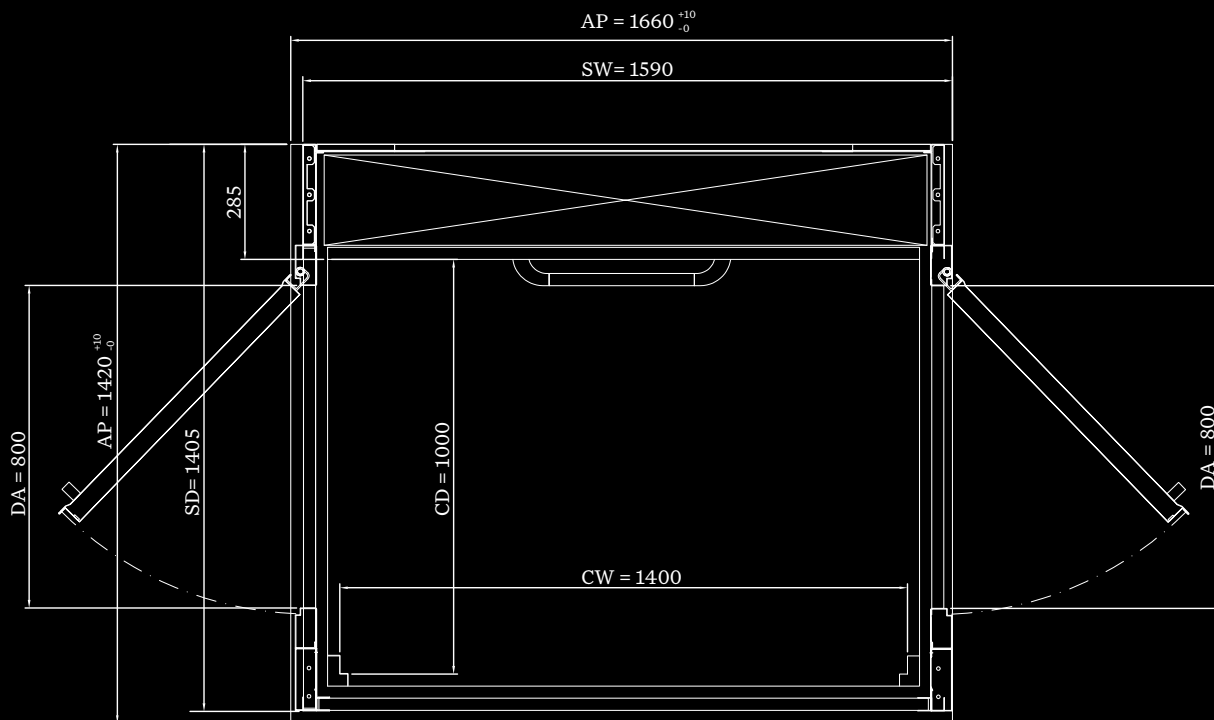
**D**

The dimensions on this page show the maximum shaft sizes. Use this diagram to determine the largest possible footprint when the door position is not yet known.

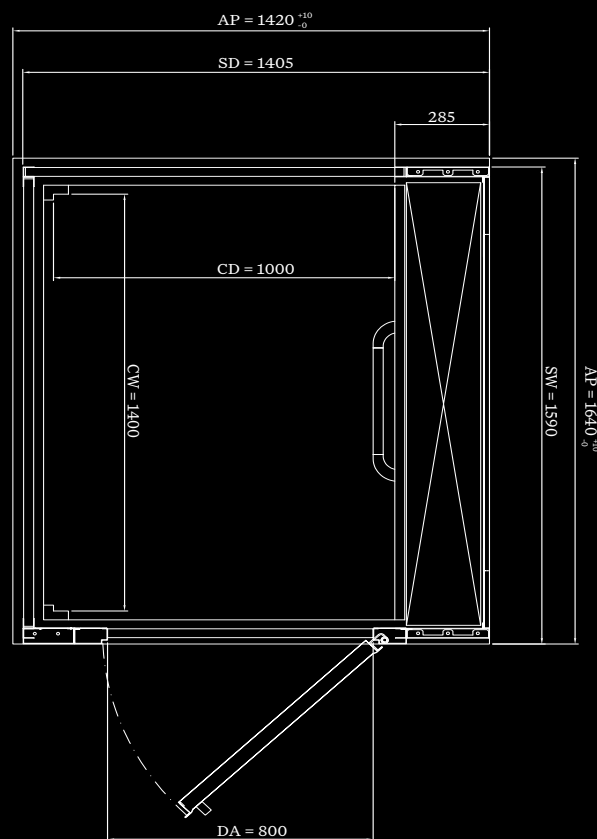
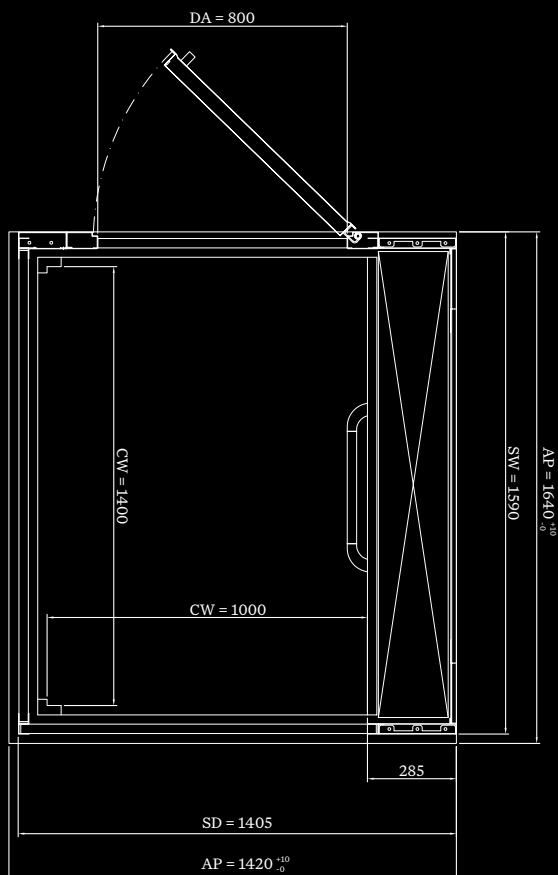
Door availability: two per floor



# ALTURA GOLD PRO: 1400 x 1000 OPPOSITE AND SAME SIDE

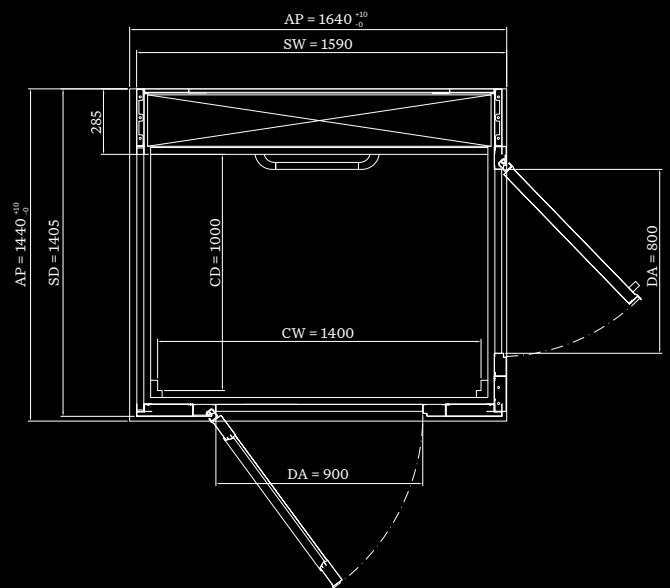
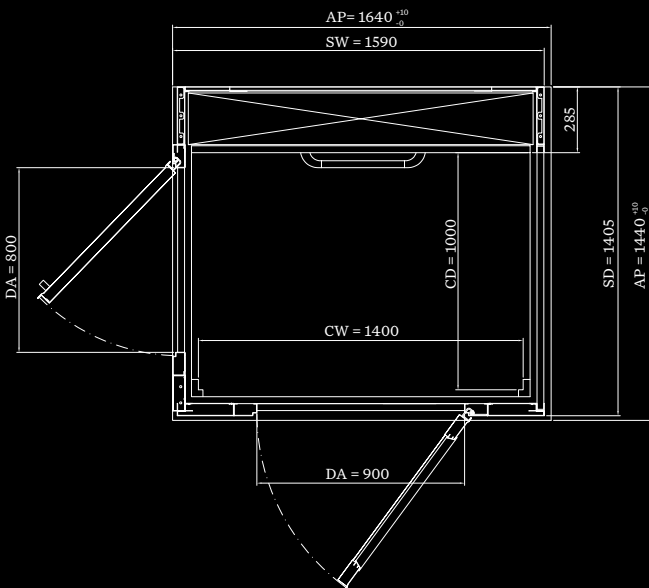
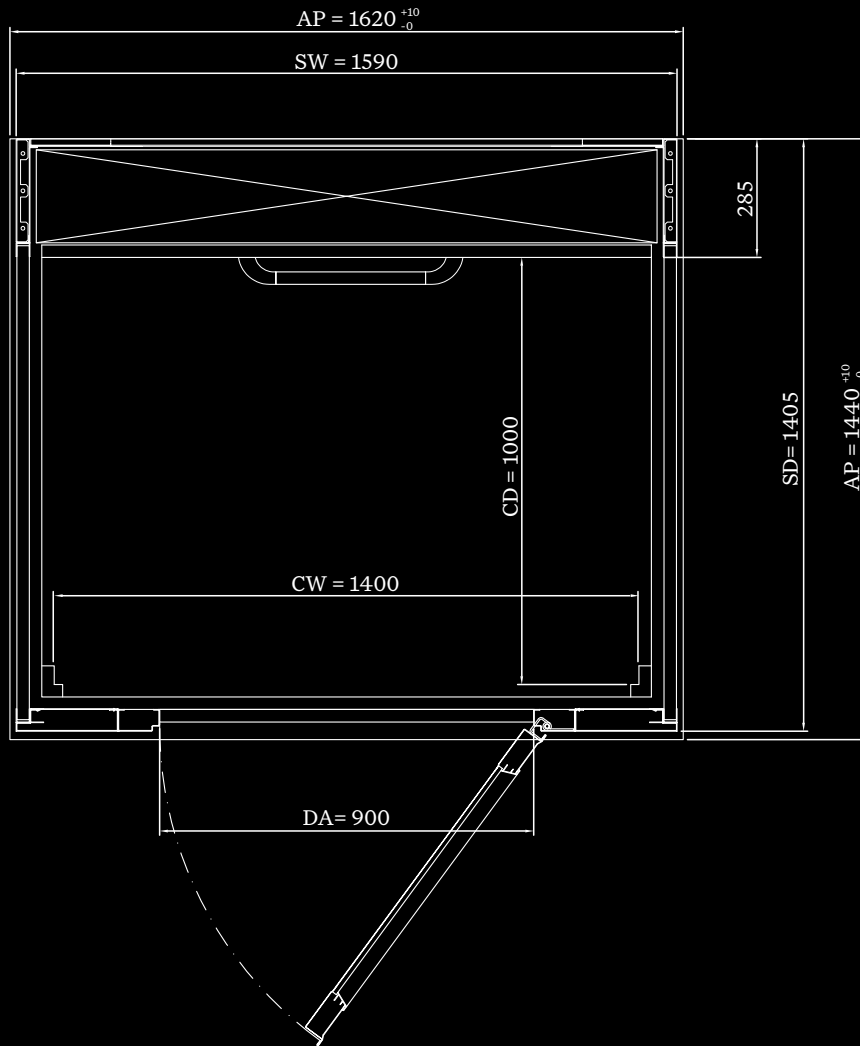


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**G** **ALTURA GOLD PRO: 1400 x 1000**  
**P** **FRONT AND ADJACENT**  
**D**

112

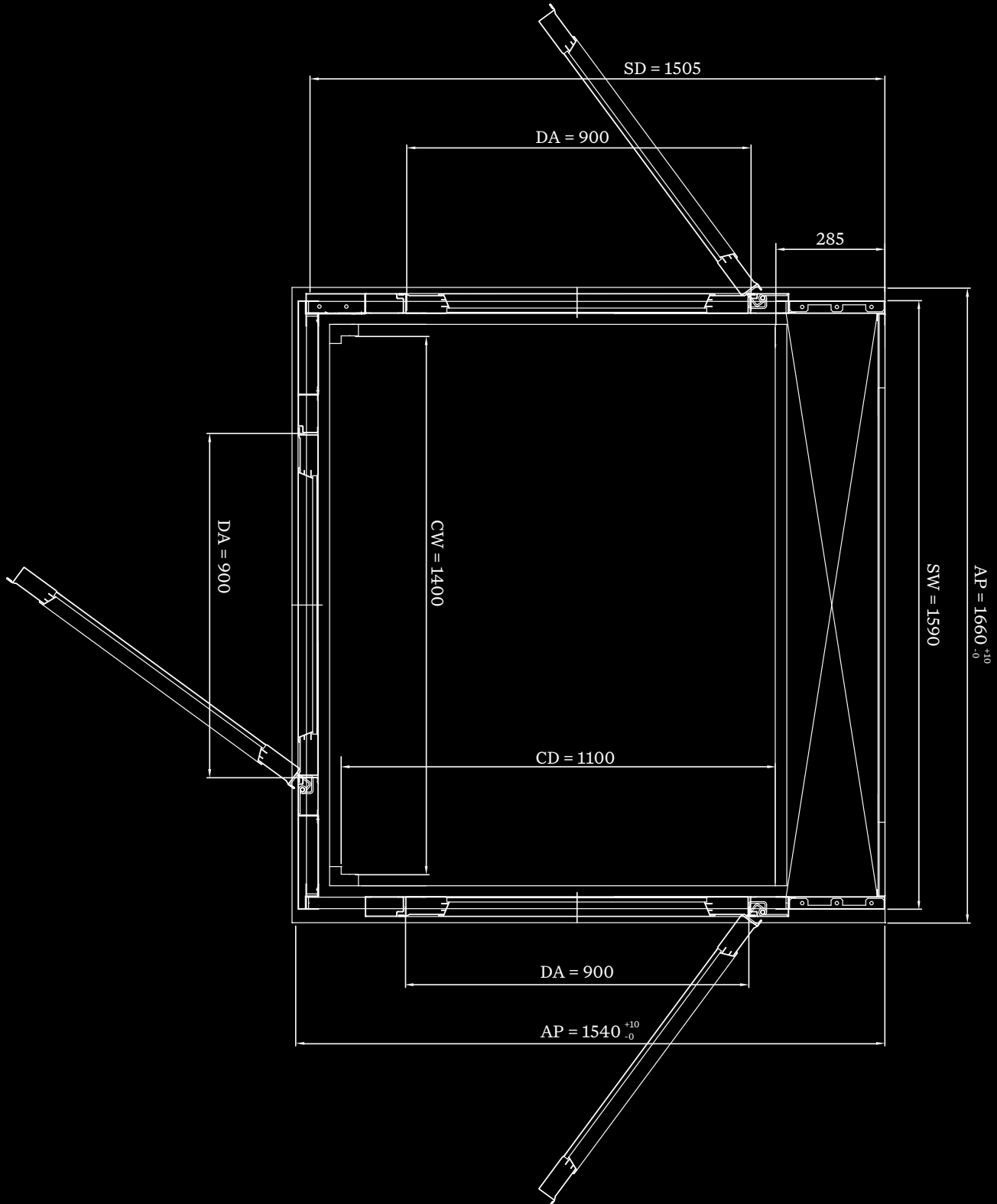


# ALTURA GOLD PRO: 1400 x 1100 ALL DOOR POSITIONS



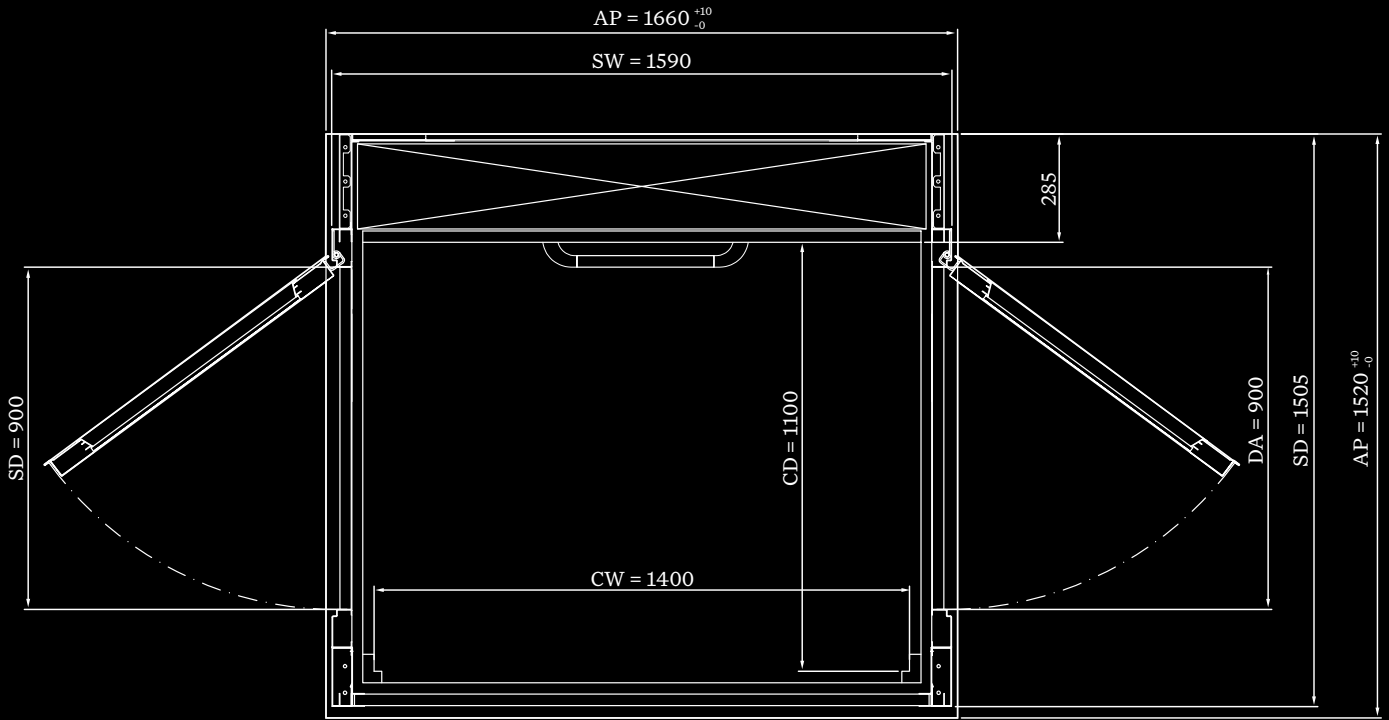
The dimensions on this page show the maximum shaft sizes. Use this diagram to determine the largest possible footprint when the door position is not yet known.

Door availability: two per floor

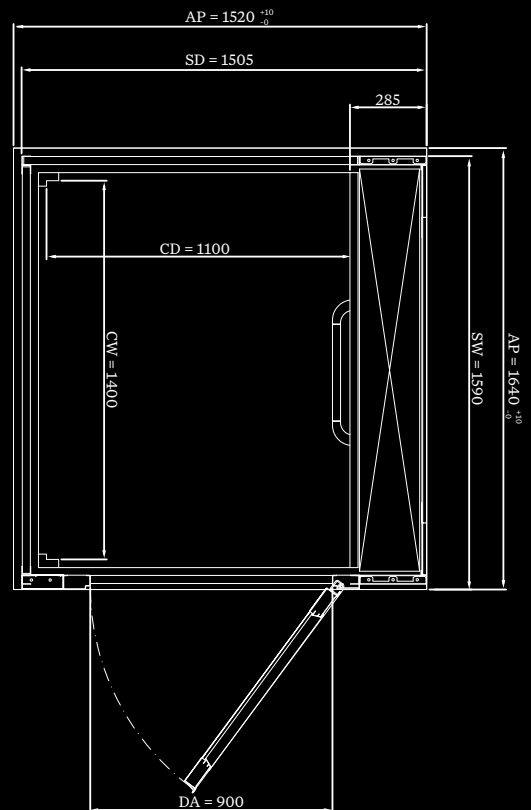
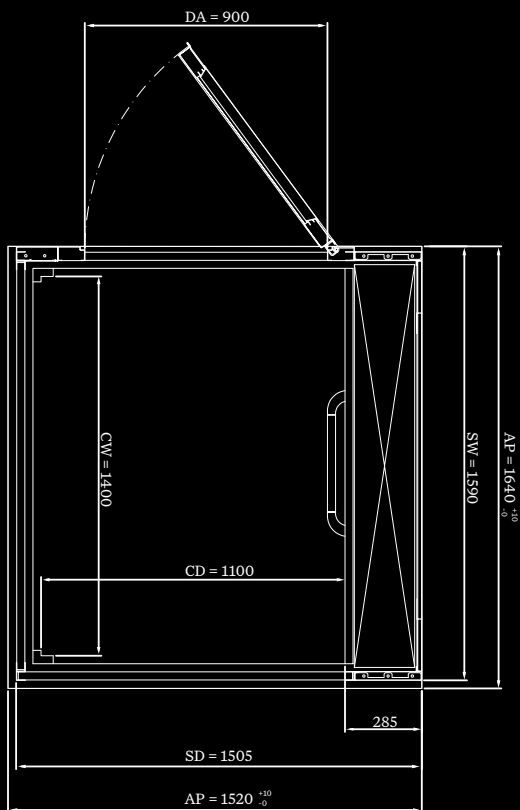




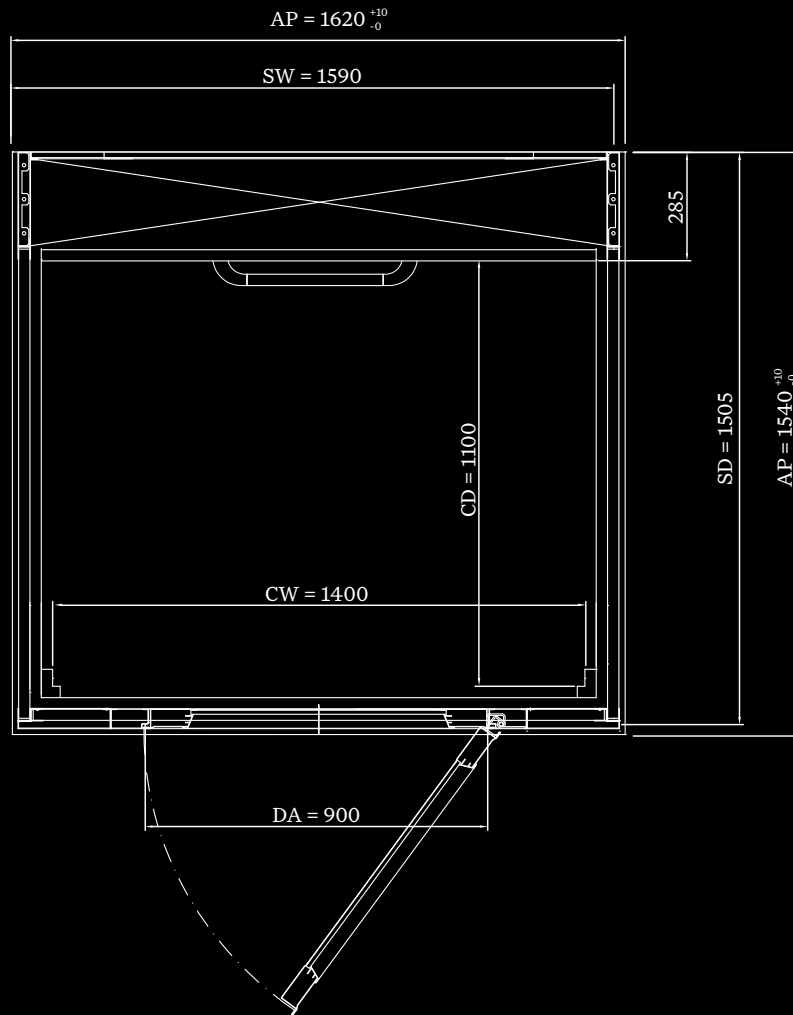
# ALTURA GOLD PRO: 1400 x 1100 OPPOSITE AND SAME SIDE



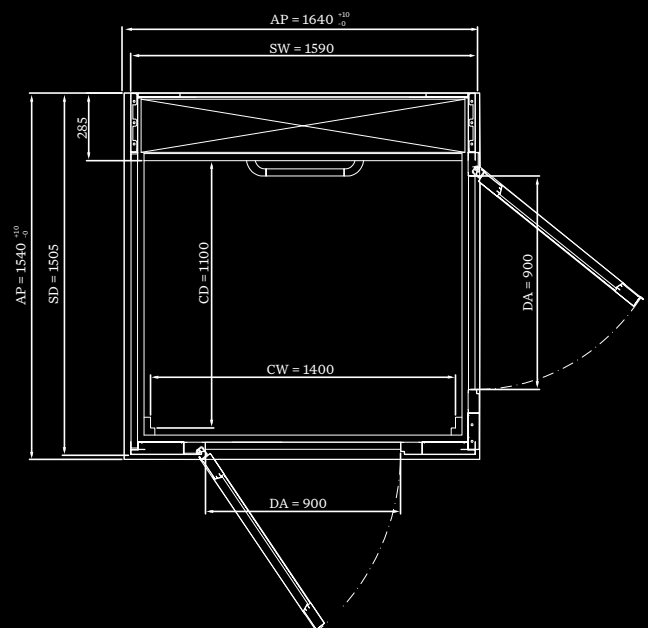
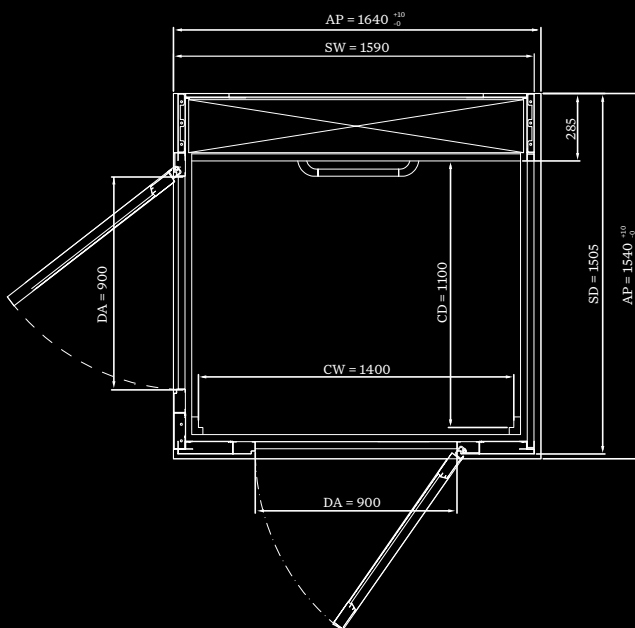
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# ALTURA GOLD PRO: 1400 x 1100 FRONT AND ADJACENT

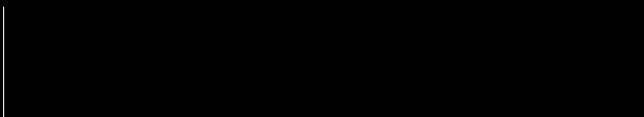
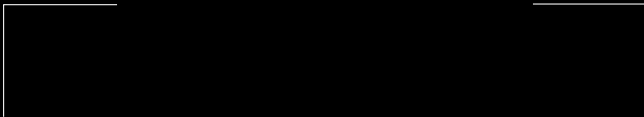


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# Altura Diamond

## **PRODUCT CATALOGUE**



Access. Everywhere. For Everyone.





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Altura Diamond cogbelt lifts comply with the Machine Directive 2006/42/EC by following the harmonized standard EN 81-41. They are also compliant with the Electromagnetic Compatibility Directive EMC 2014/30/EU and Low Voltage Directive 2014/35/EU.

EI 120 fire & smoke proof doors comply with EN 81-58 according to the Lift Directive 95/16/EC.

Altura Diamond cogbelt lifts are type approved and CE marked. Certificates are available on request.

	Model Codes	Product Codes	Commercial Name	Document name	Date
	BL41 BL46 BL47 BL48	BL4x-ES-FDC BL4x-ST-FDC BL4x-ES-SDC BL4x-ST-SDC	Altura Diamond	CAT-BL41 V1.4	April 2018

# Product Summary

## ALTURA DIAMOND

Driven by innovative cogbelt technology, the Altura Diamond redefines home lift luxury with its near silent operation and stylish details.

The Altura Diamond has a fully enclosed cabin, with one-touch operation and automatic doors. The lift is supplied with its own metallic shaft or can be installed in an existing masonry shaft.



# Product Summary

## TECHNICAL SPECIFICATIONS

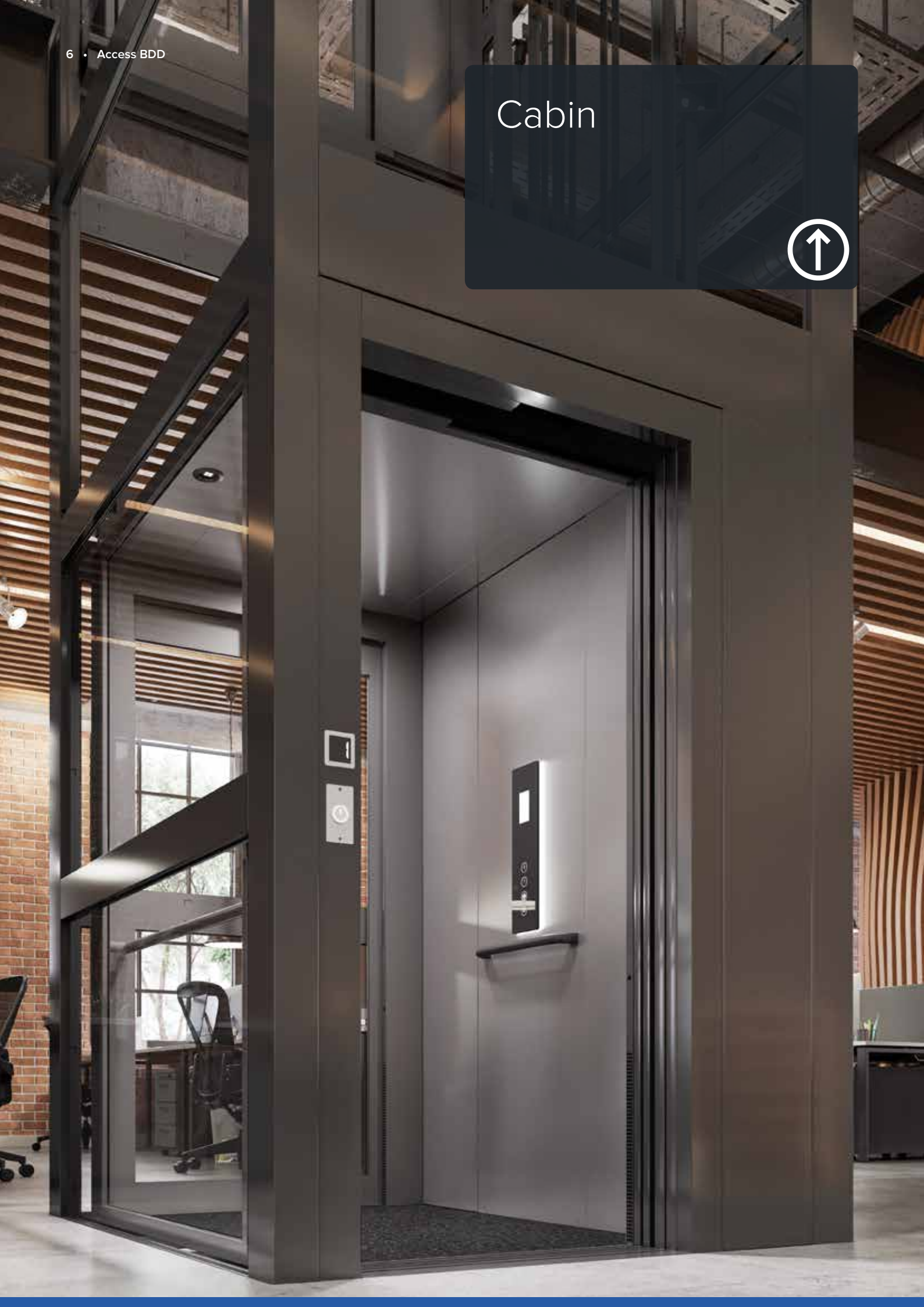


<b>Compliance:</b>	European Machine Directive 2006/42/EC Reference standard EN 81-41
<b>Drive system:</b>	Cogbelt and counterweight system, driven by a gearless motor
<b>Rated speed:</b>	Europe: max. 0.15 m/s (2006/42/EC). Up to 0.4 m/s outside Europe, where permitted by local regulations
<b>Travel (minimum - maximum):</b>	1100 – 18000 mm
<b>Distance between intermediate floors:</b>	Minimum 250 mm
<b>Number of stops:</b>	Maximum 6 stops per lift
<b>Doors:</b>	Maximum 2 doors per floor / 12 doors per lift
<b>Type of accesses:</b>	Frontal, lateral, opposite or adjacent
<b>Pit:</b>	140 mm. If a pit is not possible, the lift can be used with a ramp
<b>Shaft type</b>	Metallic structural shaft, or existing masonry shaft.
<b>Shaft top height:</b>	Structural shaft: 2450 - 2630 mm Masonry shaft: 2350 - 2450 mm
<b>Cabin types:</b>	Fully enclosed with sliding doors or with folding doors
<b>Controls:</b>	Automatic (one-touch) controls on cabin and landing. Call reservation on landings.
<b>Display panels</b>	Cabin display and optional landing displays, with TFT screen
<b>Application:</b>	Indoor or outdoor
<b>Emergency lowering:</b>	Battery operated emergency lowering with UPS
<b>Control voltage:</b>	24 V
<b>Motor:</b>	2.8 kW
<b>Power requirements:</b>	1-phase 230 V AC 50/60 Hz
<b>Maximum power:</b>	1.85 kW (when used at 0.15 m/s) 3.5 kW (for up to 0.4 m/s)
<b>Circuit breaker / RCD</b>	6A tripping curves C / 30 mA class A or B
<b>Rated load:</b>	250 - 400 kg depending on cabin size

### Product Codes

Model Code	Max Speed	Certification
BL41	0.15 m/s	CE type approved
BL46	0.3 m/s	Outside EU in selected countries
BL47	0.35 m/s	
BL48	0.4 m/s	

# Cabin



# Cabin Dimensions

## PRE-DEFINED PLAN SIZES

The Altura Diamond is available in eight pre-defined plan sizes as listed below, or the lift can be built to specific dimensions within the minimum and maximum values shown in the table on p42.

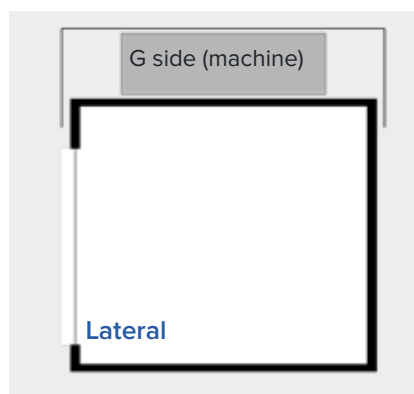
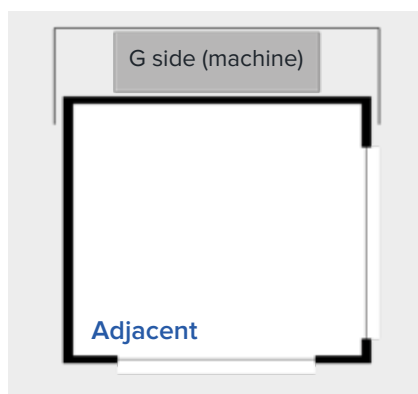
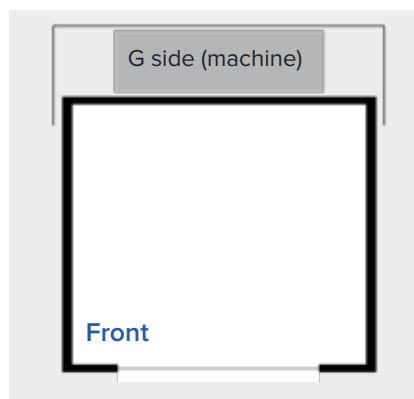
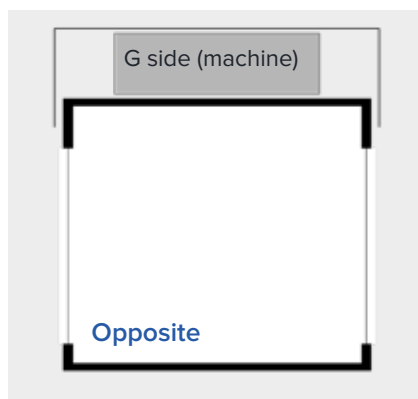
The rated load according to EN81-41 (250 kg/m<sup>2</sup>) depends on the cabin size and optional features, with a maximum possible load of 400 kg.

### Altura Diamond: Pre-defined plan sizes

Nominal cabin dimensions (mm)	Nominal floor area (m <sup>2</sup> )	Rated load EN81-41 (kg)	Max load * (kg)
900 x 1200	1.08	270	325
1000 x 800	0.80	250	325
1000 x 1000	1.00	250	325
1200 x 1000	1.20	300	400
1200 x 1200	1.44	360	400
1400 x 900	1.26	315	400
1400 x 1000	1.40	350	400
1400 x 1100	1.54	385	400

\*Maximum load is subject to a feasibility check

## Cabin Door Configurations



# Cabin with sliding doors

## SLIDING DOORS: CABIN AND LANDING



Automatic telescopic doors on each cabin and landing access (maximum two accesses per floor). Each access is protected with photocells or with full height light curtains.

- 2 panel side opening or 4 panel central opening
- Optional glass panels on cabin and landing doors

### Cabin door finishes

The insides of the cabin doors are available in the same range of options as the cabin walls:

- Painted in choice of colour
- Finished with skinplate
- Stainless steel

For more details, see the cabin pages from p14 onwards.

### Cabin and door heights

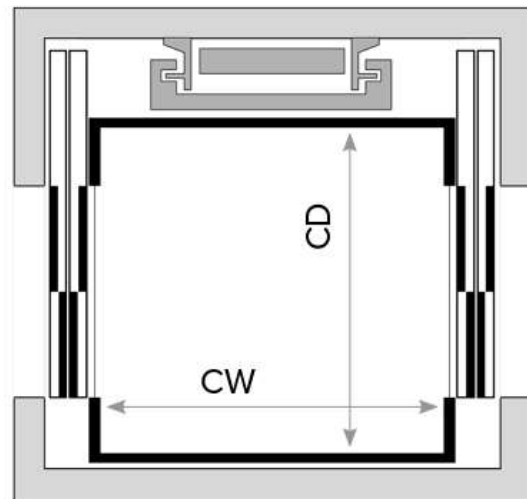
2100 mm cabin height with net door height 2000 mm

In the case of the Deluxe cabin with false ceiling, the net cabin height is reduced by 70 mm.

### Landing sliding door options

- Stainless steel
- Metal-effect or other colour film (see pp 14-15)
- Painted in choice of colour
- Fireproof doors

### Dimensions



Maximum and minimum sizes (CW x CD)

Smallest cabin: 750 mm x 650 mm

Cabin with maximum width: 1400 mm x 1100 mm

Cabin with maximum depth: 1200 mm x 1200 mm

See pp 42-47 for feasibility information and a selection of pre-defined plan sizes

# Cabin with folding doors

## CABIN FOLDING DOORS / LANDING SWING DOOR



Automatic folding cabin doors (four panels) are also available. When folding doors are used, the landings are fitted with swing doors.

### Folding cabin door options

- Painted in choice of colour
- Stainless steel
- Optional glass panels

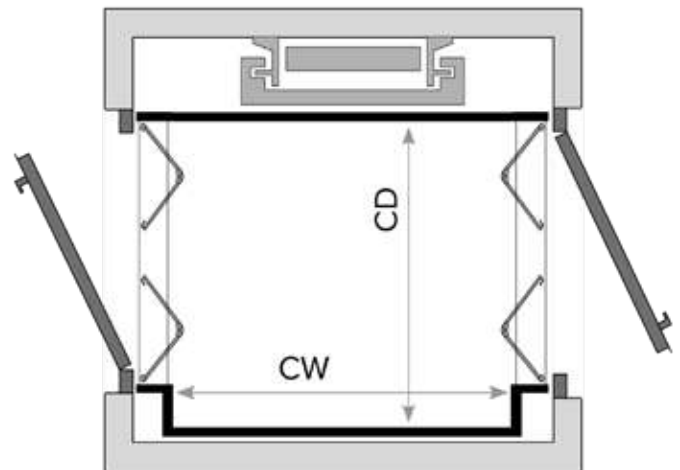
### Cabin and door heights

2100 mm cabin height with net door height 2000 mm

In the case of the Deluxe cabin with false ceiling, the net cabin height is reduced by 70 mm.

Options for landing swing door: see pp 28-29

### Dimensions



Maximum and minimum sizes (CW x CD)

Smallest cabin: 750 mm x 650 mm

Cabin with maximum width: 1400 mm x 1100 mm

Cabin with maximum depth: 1200 mm x 1200 mm

See pp 42-47 for feasibility information and a selection of pre-defined plan sizes.



# Control Panel

## STANDARD FEATURES

The sleek design of the Altura Diamond control panel is enhanced by a white backlight around the profile.

The control panel has a polished black finish as standard, with mirrored steel or a gold effect offered as options on the Deluxe cabin. The control panel is always fitted on the machine side of the cabin.



BLACK (standard)



MIRRORED STEEL



GOLD EFFECT

## Handrail

A handrail with a minimum cross-sectional diameter of 30 mm is supplied with all lifts, as required by EN81-41. The height between the platform floor and top edge of the handrail is 900 mm +/- 25 mm. The handrail is available in black or stainless steel for the Simplicity cabin and stainless steel or gold effect for the Deluxe cabin. Handrails can be fitted on any wall of the cabin, including the control panel side, and in a 1400 mm width cabin, a two-piece rail can be fitted either side of the control panel.



## Control Panel Buttons

The diameter of the destination buttons is 37 mm, and height of the centre line of the button panel is between 900 and 1100 mm from the platform floor, in accordance with EN 81-41. The buttons include Braille as standard.

### Destination buttons

The buttons are available with the following letters and numbers: -2, -1, 0, 1, 2, 3, 4, 5, 6, B, BG, BV, G, K, KV, P, U, E.

### Alarm button

The alarm button is included as standard and is connected to an external alarm sounder and to an optional auto-dialler. When the button is pressed, the siren will give a loud signal outside the lift to attract attention in case of emergency and, if fitted, the alarm auto-dialler calls a pre-programmed emergency number.

## Control Panel (continued)

A full-colour display on the control panel shows floor indicators and other system information. Additional security features are offered to protect users in public buildings and to prevent unauthorised use.

### Colour Display

The display is positioned on the control panel above the floor buttons and shows the following information:

- Floor indicator showing the position of the lift.
- An arrow indicating the direction of the lift when travelling
- Icons giving status information:
  - Bell: the alarm button has been pressed.
  - Weight symbol: the lift is overloaded.
- An error code for diagnostics.
- If the lift is connected to the building's fire alarm system, a symbol will be shown when alarm is activated (see below).

Voice announcements can also be provided with the display. These are available in English, Italian, French, German, Spanish, Dutch, Portuguese, Czech and Russian.



### Building Integration



The lift can be connected to the building's fire alarm.

If the fire alarm is activated, a symbol on the display will be shown and the lift will move to a predetermined floor and park there.

### Key Switch on Control Panel



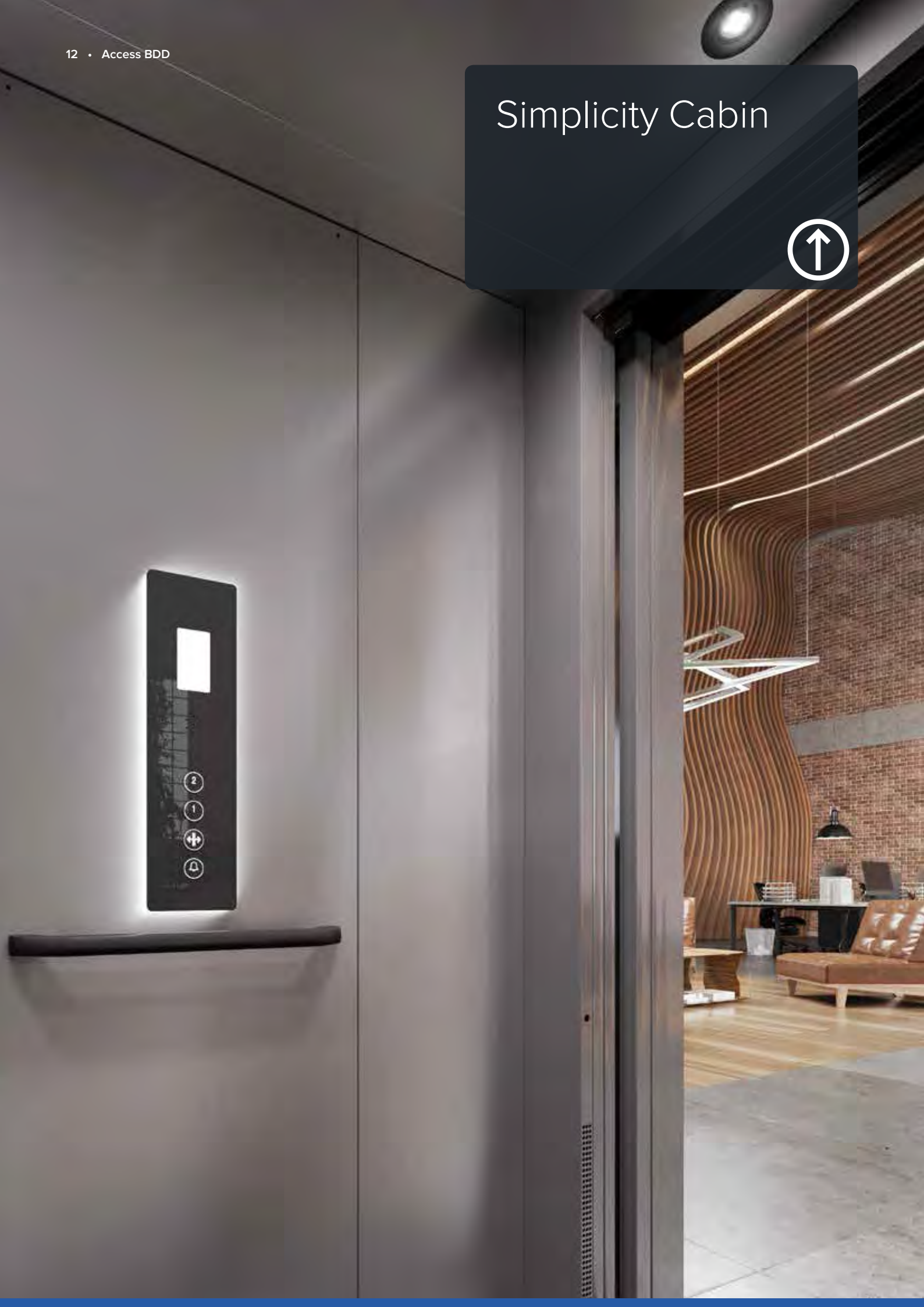
Use of the lift can be controlled by key-switches placed on the control panel. The control panel can either be fitted with a general key switch which locks the entire operation of the lift, or the floor buttons can be replaced with individual key switches (up to a maximum of 4 per lift) to control access to specific floors.

There are two key options to choose from:

- standard mechanical key
- i-button for one-touch operation.

User-specific configurations can be designed: please contact us for details.

# Simplicity Cabin



# Simplicity cabin

## DESIGN AND LAYOUT

The Altura Diamond Simplicity cabin has a clean and streamlined look, aligned to other products in the Altura Lift family.

### Cabin Walls



#### Plain walls

Skinplate, stainless steel or painted in a choice of colour. The insides of the doors can be finished to match the walls. See options on following pages.



#### Glass walls

Full-height or half-height, plain glass can be selected for any wall except the machine side. The full-height glass panel is divided by a horizontal cross-piece.



#### Mirror

A half-height mirror can be affixed to any wall except for the machine side.

### Ceiling



The Simplicity cabin has a plain ceiling and is illuminated with three LED spotlights.

# Simplicity Cabin

## INTERIOR OPTIONS

The Simplicity cabin can be customised with a choice of colours and finishes for the walls, floor and cabin doors.

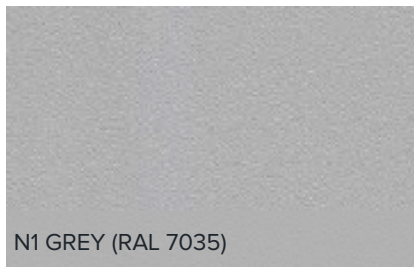
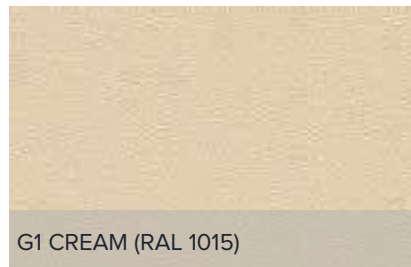
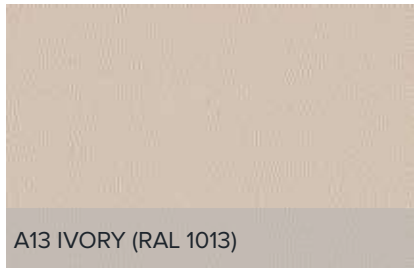
The cabin walls are made of steel and can be covered with a coloured plastic or stainless steel finish or painted with a choice of RAL colour (gloss 80-90, orange peel finish, coarse grade). Suggested RAL matches for the other painted parts of the lift are given for each skinplate option.

As standard, the whole lift is painted in RAL 9010 (pure white) and the walls are covered with skinplate A4 – milk.

### Cabin Wall Options

#### Plain skinplates

Steel panel with a solid colour textured plastic coating



**NOTE: RAL Colours**

For all parts of the lift where RAL painting is offered, the choice of colour can be made from the 213 colours in the RAL Chart K7 Classic, excluding pearl and metallic colours. If no colour is specified, the standard colour for all painted parts is RAL 9010 (white). Painting is powder coating with orange peel finish, visual gloss 80-90.

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.

# Simplicity Cabin

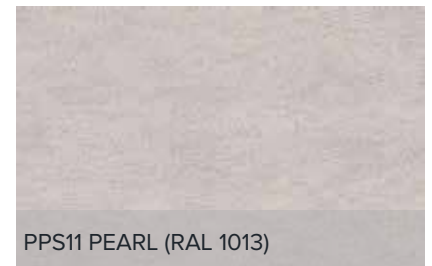
## INTERIOR OPTIONS

### Stainless steel



### Patterned skinplates

Steel panel coated with lightly patterned smooth finish



## Flooring

Safety vinyl flooring, with life-time non-slip guarantee. The lift can also be supplied without flooring if you want to use your own. For flush alignment with the landing, customer supplied flooring should be maximum 3 mm deep.



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.

# Deluxe Cabin



# Deluxe Cabin

## DESIGN AND LAYOUT

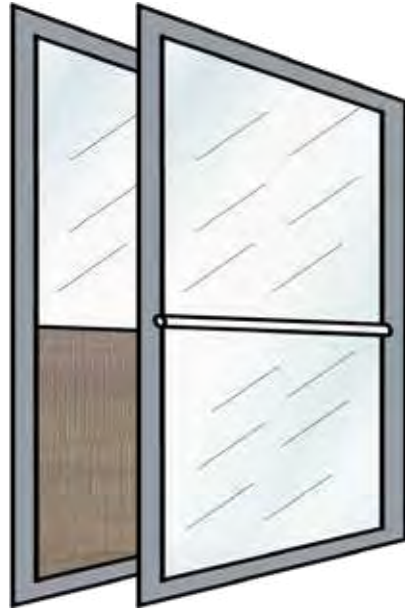
Exclusively available on the Altura Diamond, the Deluxe Cabin has a choice of luxurious wall finishes, with contrasting accents and a suspended ceiling with a choice of soft lighting options.

Design your own Deluxe cabin by choosing from our range of interior options on pp 18-19 or pick a cabin style from our Diamond Collection (pp 20-23).



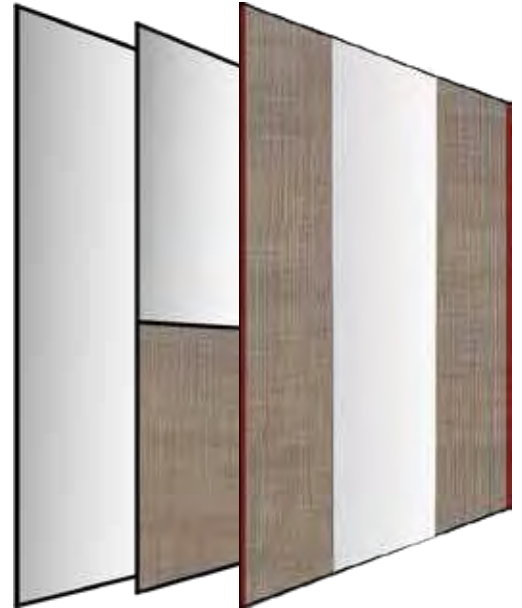
Walls

A choice of high-pressure laminates, with contrasting central panel and corner accents: see options on the following pages.



Glass

Full-height or half-height, plain glass, available on all walls except the control panel wall (G side). A handrail is included as standard on full-height glass panels.



Mirror

Full-height, half-height or slim vertical mirrors can be fitted to any wall except the control panel wall (G side). A mirrored central panel for the G side is also available (see options p19)

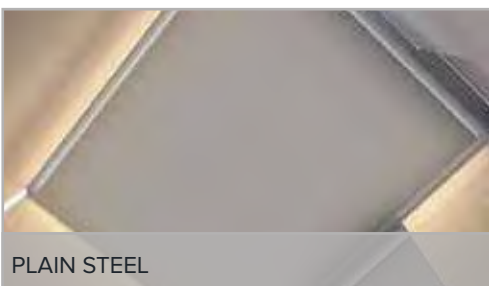
## Ceiling



OPAL



ROUND



PLAIN STEEL



STARRY SKY

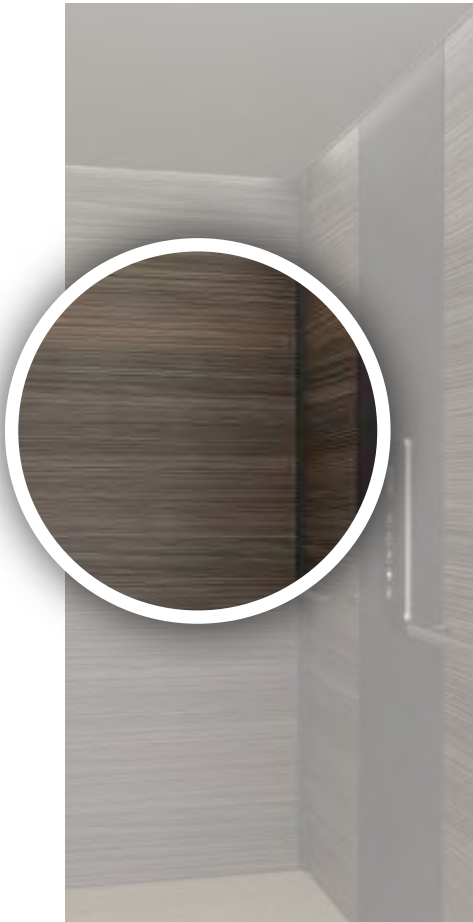
Reference image left shows: walls – 4367, bright wood, accents – grey 7012, floor – white carpet, ceiling – plain



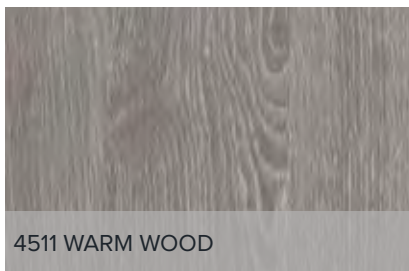
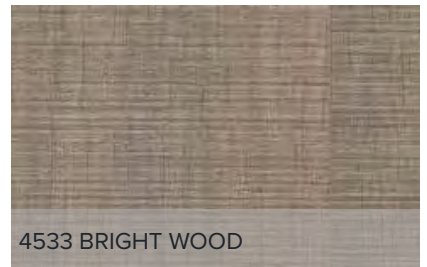
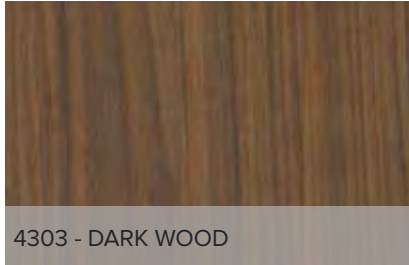
# Walls and Floors

## DELUXE CABIN

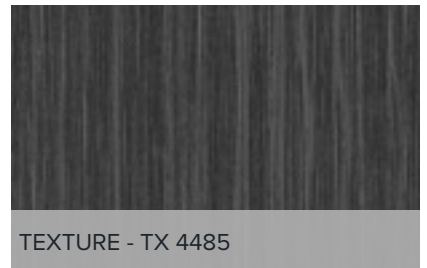
Walls: high-pressure laminate panels



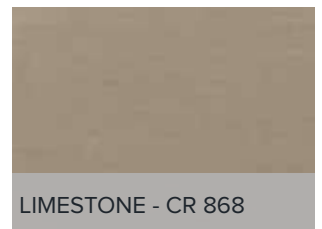
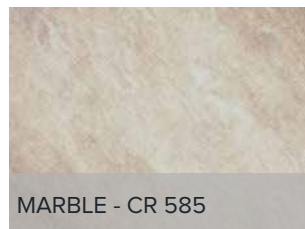
### Wood Effect



### Textured Effect



### Stone Effect



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.

# Walls and Floors

## DELUXE CABIN

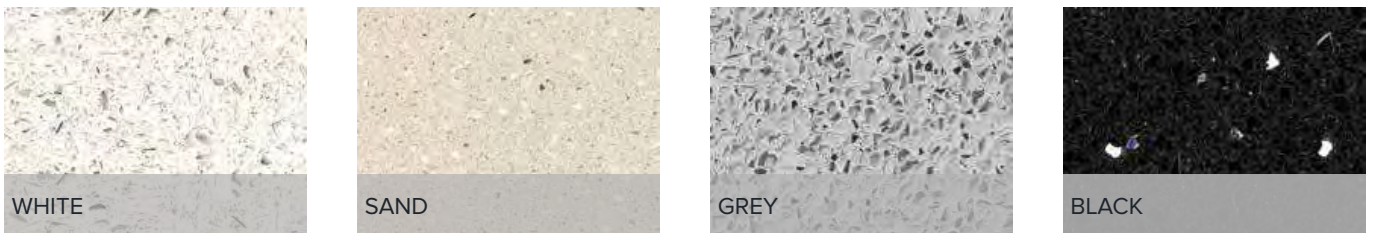
Central panel and corner accents



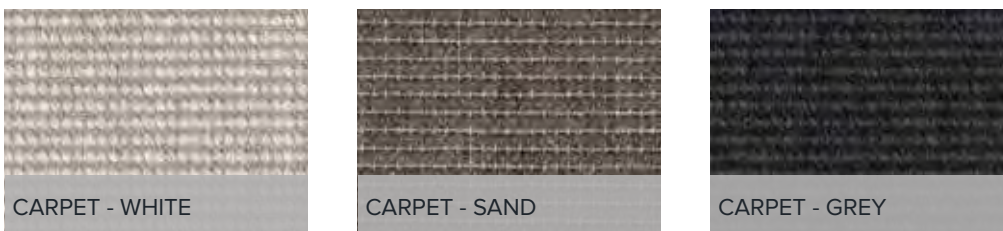
## Flooring

### Granite Effect

Composite stone, with a polished granite effect finish



### Carpet



The vinyl flooring from the Simplicity range can also be selected for the Deluxe cabin, or the cabin can be supplied without flooring for the customer to apply their own.

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.

# Diamond Collection

## MODERN RANGE



1. MODERN EUROPE



2. MODERN AMERICAS



3. MODERN ASIA

### 1. Modern Europe

- Wall: Bright wood 4515
- Accent: Black 7021
- Ceiling: Round
- Flooring: Grey vinyl
- Mirror: None
- Handrail: Stainless steel, 2 pieces

### 2. Modern Americas

- Wall: Concrete 3311
- Accent: Blue 5024
- Ceiling: Plain
- Flooring: Grey vinyl
- Mirror: Slim vertical
- Handrail: Stainless steel, 2 pieces

### 3. Modern Asia

- Wall: Texture 2606
- Accent: Red 3003
- Ceiling: Opal
- Flooring: Grey vinyl
- Mirror: None
- Handrail: Stainless steel, 2 pieces

(2 piece handrails for 1400 wide cabin only)

# Diamond Collection

## CLASSIC RANGE



4. CLASSIC EUROPE



5. CLASSIC AMERICAS



6. CLASSIC ASIA

### 4. Classic Europe

- Wall: Cool wood 4511
- Accent: Beige 1019
- Ceiling: Plain
- Flooring: Sand carpet
- Mirror: Full wall
- Handrail: Stainless steel, 2 pieces

### 5. Classic Americas

- Wall: Texture 3318
- Accent: Light grey 7035
- Ceiling: Plain
- Flooring: Grey vinyl
- Full height panoramic wall
- Handrail: Stainless steel on panoramic wall

### 6. Classic Asia

- Wall: Dark wood 4303
- Accent: Red 3003
- Ceiling: Plain
- Flooring: Grey vinyl
- Mirror: Half wall
- Handrail: Stainless steel 2 pieces

(2 piece handrails for 1400 wide cabin only)

# Diamond Collection

## NATURAL RANGE



7. NATURAL EUROPE



8. NATURAL AMERICAS



9. NATURAL ASIA

### 7. Natural Europe

- Wall: Warm wood 4533
- Accent: Green 6011
- Ceiling: Plain
- Flooring: Grey carpet
- Mirror: None
- Handrail: Stainless steel, 2 pieces

### 8. Natural Americas

- Wall: Texture 4485
- Accent: Dark grey 7012
- Ceiling: Plain
- Flooring: Sand carpet
- Mirror: None
- Handrail: Stainless steel, 2 pieces

### 9. Natural Asia

- Wall: Bright Wood 4367
- Accent: Green 6011
- Ceiling: Plain
- Flooring: Grey carpet
- Mirror: None
- Handrail: Stainless steel, 2 pieces

(2 piece handrails for 1400 wide cabin only)

# Diamond Collection

## INTERNATIONAL RANGE



10. INTERNATIONAL MODERN



11. INTERNATIONAL NATURAL



12. INTERNATIONAL CLASSIC

### 10. International Modern

- Wall: Limestone 868
- Accent: Steel mirror
- Ceiling: Plain
- Flooring: Customised
- Handrail: Stainless steel, 2 pieces

### 11. International Natural

- Wall: Marble 585
- Accent: Dark grey 7012
- Ceiling: Plain
- Flooring: White carpet
- Mirror: None
- Handrail: Stainless steel

### 12. International Classic

- Wall: Concrete 1117
- Accent: Steel gold
- Ceiling: Plain
- Flooring: Granite effect - sand
- Mirror: None
- Handrail: Stainless steel, 2 pieces

(2 piece handrails for 1400 wide cabin only)

# Doors



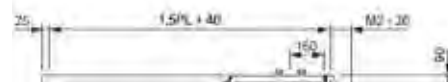
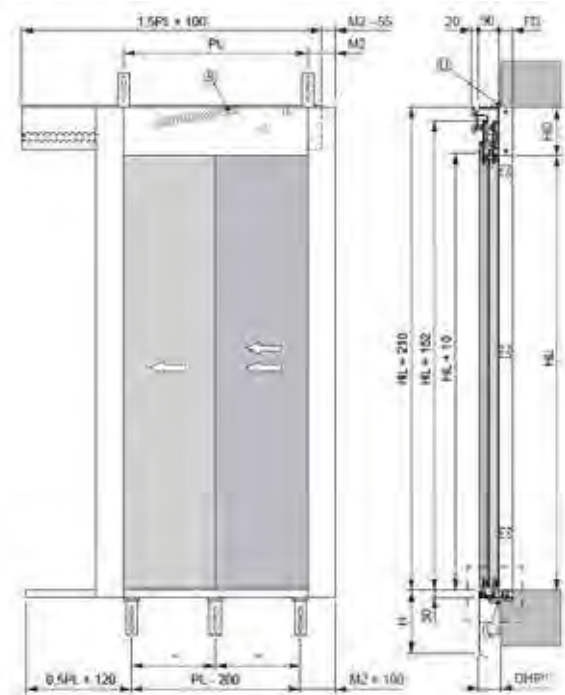
# Sliding Doors

## CABIN AND LANDING

### Sliding doors: lateral opening with blind panels

- Door height (HL): 2000 mm.
- Door frames: 100 mm on each side (M1, M2, HD).
- Door sill: landing - 90 mm, cabin - 70 mm).
- Frame depth: 60 mm (FD).
- Opening: right or left, with two panels.
- A triangular key for the lock release is provided with each machine.
- Standard installation is fully within the shaft. Sliding door encumbrance in the shaft (DHP) = 110 mm.
- Fire-proof door available as option.

Door clear access (PL)	Total width (1.5PL + 145)
600 mm	1045 mm
700 mm	1195 mm
800 mm	1345 mm
900 mm	1495 mm



### Sliding doors: lateral opening with glass panels

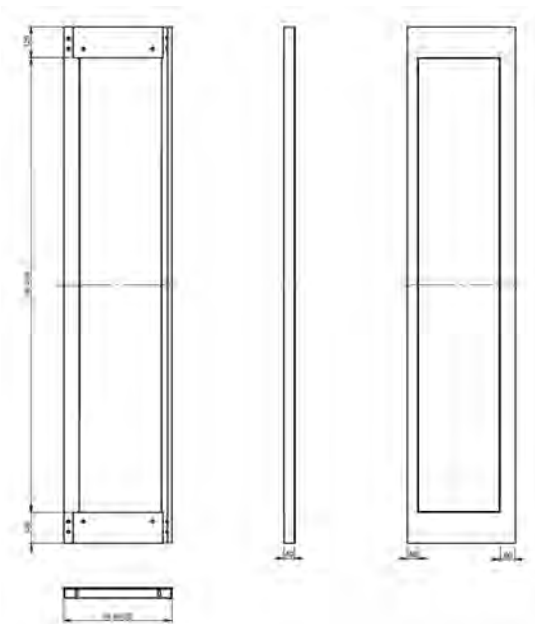
- Door and frame dimensions are the same as the blind version
- Panel dimensions depend on the door clear access as shown in the diagram (PL/N+20), where N is the number of panels
- The frame around the glass has standard dimensions and has a satin stainless steel finish.

Frame dimensions:

Top and bottom: 120 mm. Lateral: 40 mm and 60 mm

Glass and panel sizes for lateral opening, 2 panels:

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





# Sliding Doors

## CABIN AND LANDING

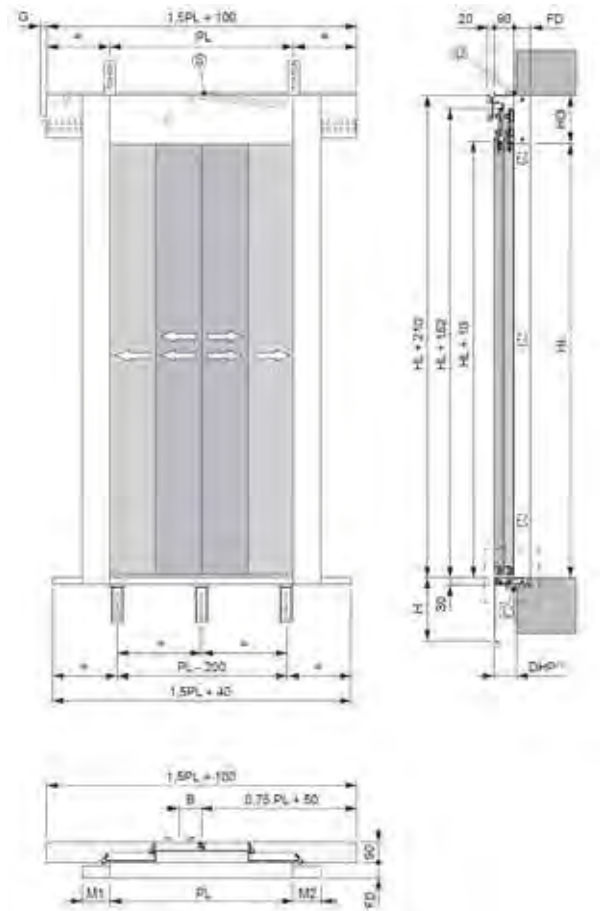
### Sliding doors: central opening with blind panels

- Door height (HL): 2000 mm.
- Door frames: 100 mm on each side (M1, M2, HD).
- Door sill: landing - 90 mm, cabin - 70 mm).
- Frame depth: 60 mm (FD).
- Opening: central, with four panels.
- A triangular key for the lock release is provided with each machine.
- Standard installation is fully within the shaft. Sliding door encumbrance in the shaft (DHP) = 110 mm.
- Fire-proof door available as option.

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

The table below shows the tolerance (G) required to install the doors. The narrower the door opening, the greater the tolerance required.

PL	G
600 mm	40 mm
650 mm	30 mm
700 mm	15 mm
≥ 750 mm	0 mm



### Sliding doors: central opening with glass panels

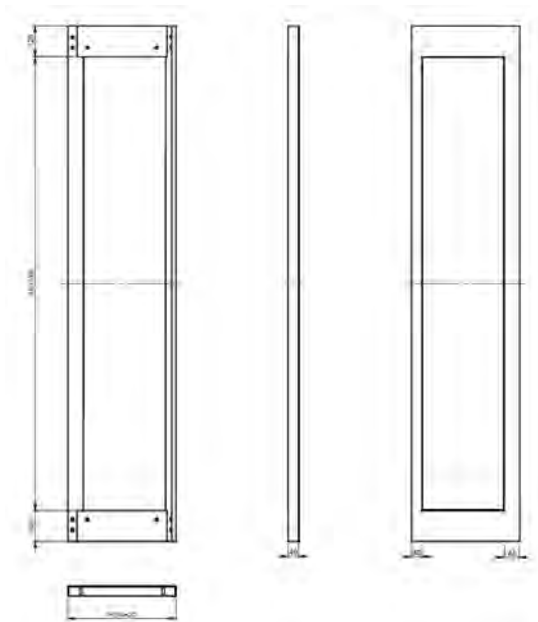
- Door and frame dimensions are the same as the blind version
- Panel dimensions depend on the door clear access as shown in the picture (PL/N+20), where N is the number of panels
- The frame around the glass has standard dimensions and has a satin stainless steel finish

Frame dimensions:

Top and bottom: 120 mm. Lateral: 40 mm and 60 mm.

Glass and panel sizes for central opening, 4 panels:

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



# Folding Doors

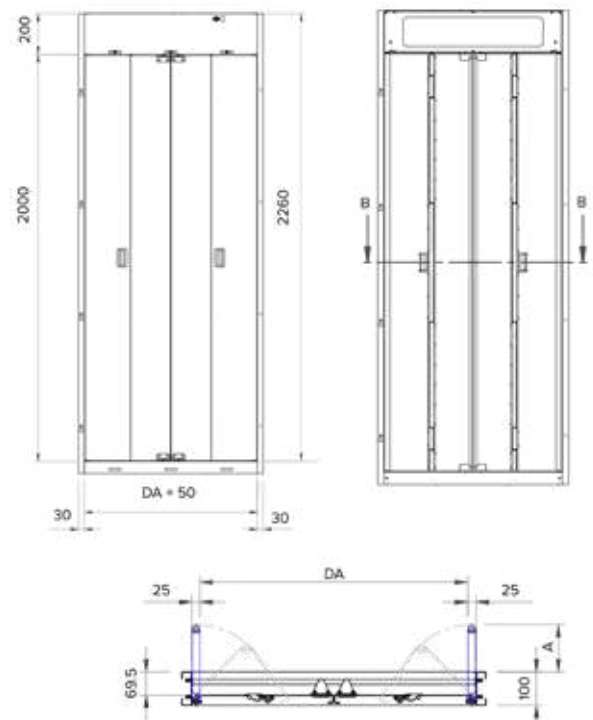
## CABIN

### Folding doors: blind panels

- Door height: 2000 mm.
- Door sill of landing door: 100 mm
- Opening: central, with four panels

"A" is the maximum encumbrance in the cabin with the doors open.

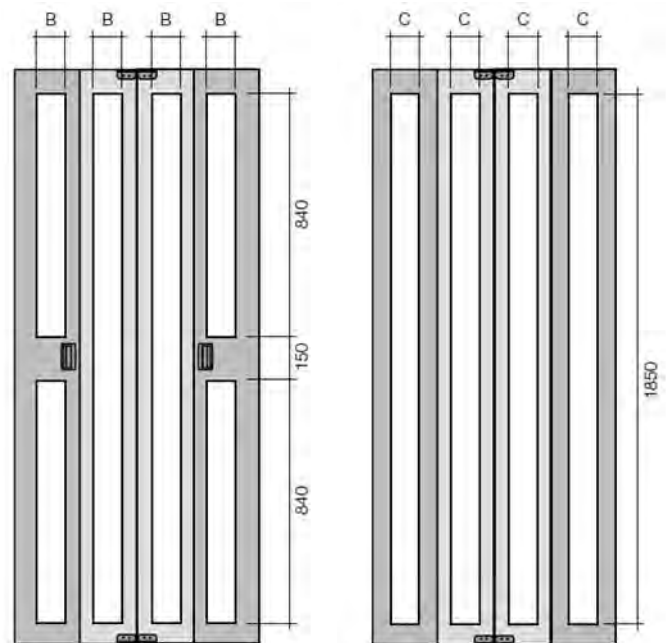
Door clear access (DA)	A
600 mm	90.5 mm
700 mm	111.5 mm
800 mm	140.5 mm
900 mm	165.5 mm



### Folding doors: glass panels

- Dimensions and finishes are the same as the blind version.
- Two models are available, with or without handles on the inner side.
- Glass dimensions depend on the door clear access, as shown in the table below:

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



Glass folding doors with handle    Glass folding doors no handle

For doors with height 2000 mm

B = Door clear access/4 - 85

C = Door clear access/4 - 53

# Landing Swing Door

## DIMENSIONS

### General information

When folding doors are selected for the cabin, swing doors are fitted on the landings. Swing doors can be blind or panoramic. The large window on the panoramic doors is made of Visarm safety glass 10/11 mm thick.

### Door frame

The swing doors are always delivered with frames which are painted in the same colour as the door. Note that it is not possible to order the door or the frame separately. The doors can be hinged on the left or on the right.

The door frames have dimensions of 100 mm on each side. When an automatic door opener is used on doors in a concrete shaft, the top frame is 140 mm.

The actual height of the door is 40 mm higher than the net height.

### Door specifications

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

Opening height: 2000 mm

Total door height (including frame): 2100 mm / 2140 mm

Other sizes may be available on request

### Door options

- Door and door frame painted in choice of RAL colour (see note p14) or metallic paint (see p36)
- Panoramic window: transparent, opaque, semi-reflective, smoky grey or smoky satin (see p36)

Glass window: 470x1600 mm (door width 700 mm)  
 (Panoramic) 570x1600 mm (door width 800 mm)  
 670x1600 mm (door width 900 mm)



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



# Landing Swing Door

## ADDITIONAL OPTIONS

The standard swing doors on landings are opened manually and closed semi-automatically by way of a simple closing spring.

The time and speed of the standard semi-automatic swing doors are not adjustable. For greater control over the operation of the swing doors, automatic openers and closers are available. The automatic openers and closers are not available with fire-proof doors.



### Internal door closer

The internal door closer is available as an option. It closes the door automatically and includes a function to keep the door open until the user manually closes it. The internal door closer is contained within the door frame, making it invisible from the outside. The closing speed is adjustable.



### External Door opener

The external door opener opens the door automatically once the lift has arrived at the landing and closes it after a pre-set time. The opening and closing time and speed are adjustable.

It is mounted on the top frame of the door inside a box with a white painted cover.

When automatic door openers are fitted on two doors at the same landing, the doors will open simultaneously.

## Door Handles



HANDLE TECHNO



HANDLE MODERN

The landing swing doors have a stainless steel handle. The "Techno" handle is supplied as standard, or the longer "Modern" version can be ordered as an option.

#### Handle Dimensions

Techno: Length 207 mm

Modern: Length 350 mm, diameter 20 mm

# Door Options

## EI120 FIRE AND SMOKE-PROOF DOORS

Fire and smoke-proof landing doors are available as an option for indoor installations only.

The swing and sliding landing doors can be supplied in a fire and smoke-proof version that complies with EN 81-58. Glass panels and window are not available on fire and smoke-proof doors.

Note: a wall mounted call box must always be ordered for the landing control, as it cannot be installed in the frame of fireproof doors. (See p.32)

### Swing doors EI120

The fire and smoke-proof landing swing doors are always delivered with a frame which is 100 mm wide on each side.

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

The actual height of the door is 2040 mm due to a plate which is mounted on the door to cover the gap between the door and the frame. The door and frame can be painted in any RAL colour. If no colour is specified, they are supplied in white (RAL 9010).

### Sliding doors EI60 or EI120

Fire- and smoke-proof sliding doors for the landing are available with two-panel lateral opening or four-panel central opening. As standard they are painted in grey; other colours or a stainless-steel coating are available as an option.

The fire and smoke-proof sliding doors are always supplied with blind panels.



## Ramp

When used with a metallic shaft, we recommend that the lift is installed in a pit, with a depth of 140 mm. If the lift is installed without a pit, a ramp is mandatory according to EN81-41.

An aluminium ramp with a non-slip surface can be ordered as an option. The width of the ramp corresponds to the width of the corresponding shaft side and the vertical rise is less than 1:4.



# Door Options

## CONTROLS

A backlit button on each landing is used to call the lift.

The landing control button is normally located on the frame of each landing door. When swing doors are used, it is placed on the same side as the door handle. Optionally, it can be placed away from the lift in an external control box.



### Call button

The call button shows the floor number and has Braille as standard. It has a backlit frame which changes colour to indicate the status of the lift.

- Green: the lift is at this floor.
- Red: the lift is currently in use.
- A flashing light is used to give a warning status.

### Landing Indicator Display

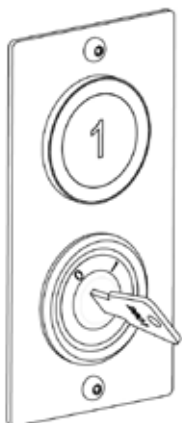
As an option, a digital display can be positioned on the door faceplate. The landing display shows the following information:

- Floor indicator showing the position of the lift.
- An arrow indicating the direction of the lift when travelling
- Icons giving status information:
  - Bell: the alarm button has been pressed.
  - Weight symbol: the lift is overloaded.
- An error code for diagnostics;
- Out of service status message

The landing indicator display is available for indoor use only.

## Door Locking Options

A lock with a key switch or an i-button, or a lock prepared for the EUR key, can be provided either in addition to, or instead of, the call button.



Key switch and call button



Key switch without button

### Key switch with call button

The key is used to unlock the landing control button. Once the lock is in the open position, the lift can be used with the call button as normal. This option is recommended when a lift needs to be made available to all users during particular hours of the day.

### Key switch without call button

When there is no call button, the lift can only be called and accessed with the key. The key switch includes a school locking function which automatically locks the door after a set time.

Only one key switch is available per door.

# Door Options

## WALL MOUNTED DOOR CONTROL

The landing control panel can be wall mounted away from the door frame in an external call station box.

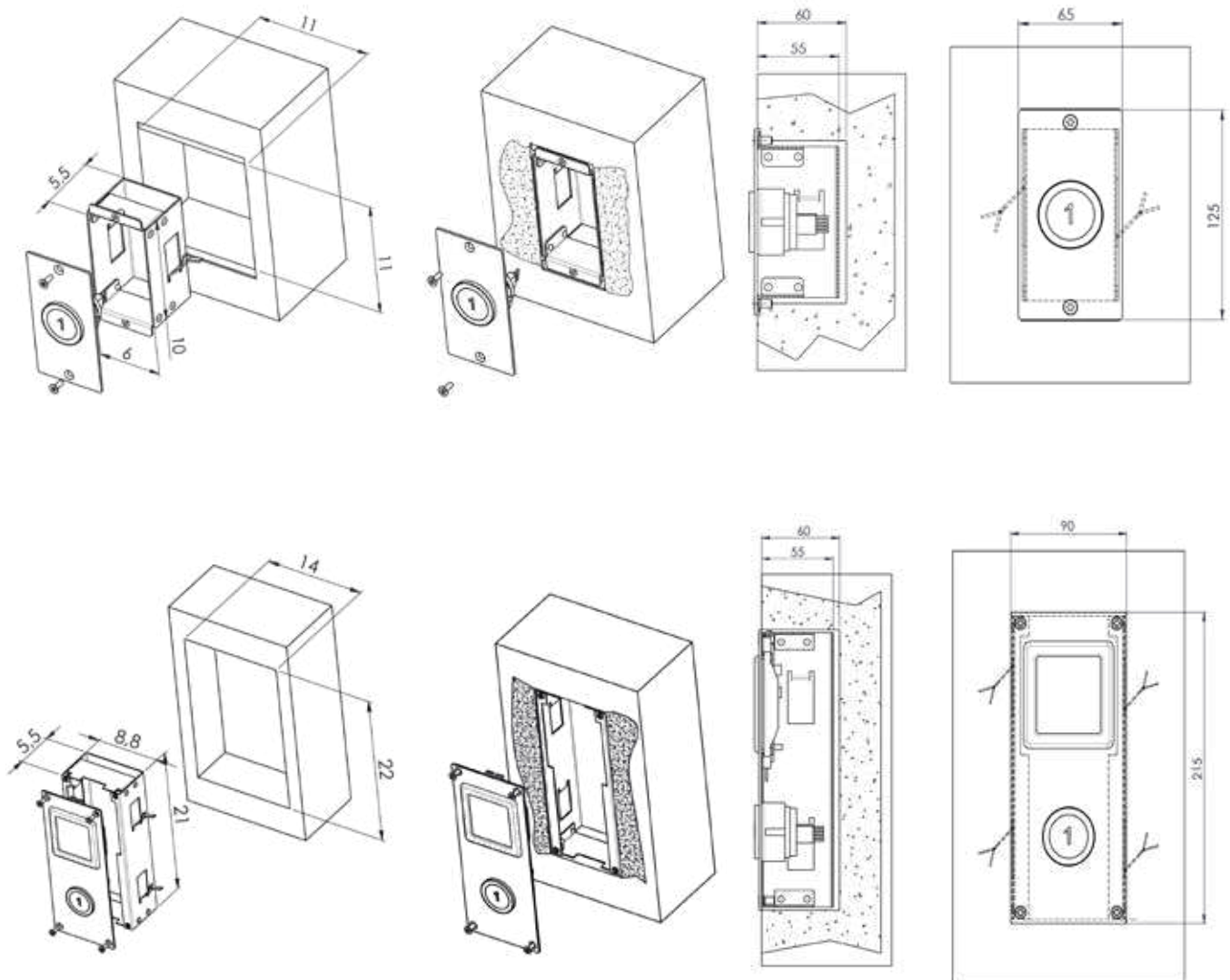
The wall-mounted landing control is situated in an external call station box connected to the lift via a cable at a maximum of 10 m from the lift. It can be surface mounted or flush mounted. The external control box must be ordered if the EI 120 fire and smoke-proof door is used.

### Dimensions:

Without display: 130 x 70 x 55 mm

With display: 220 x 95 x 55 mm

### Door control: dimensions for flush wall mounting



# Communication

Two way communication is supplied as standard inside the cabin.

A communication system in case of emergency is required for compliance with EN81-41. The standard supply is a telephone handset, or an auto-dialler in the control panel can be ordered as an option.

The user is responsible for supplying a landline or SIM card for connecting the lift to a telephone network.



## Telephone Handset

As standard, a telephone handset is mounted on the console wall next to the control panel. It is to be connected to a landline in the building,

## Auto-dialler (option)

The auto-dialler equipment is integrated in the control panel and connected to the alarm button. When the alarm button is kept pressed for 3 seconds, the auto-dialler calls through a sequence of up to 7 pre-programmed numbers until answered.

The auto-dialler is connected to the building's landline or can be fitted with a GSM module for connection to the mobile phone network.



Shaft



# Shaft

## METALLIC SHAFT: BASIC INFORMATION

The Altura Diamond can be delivered with a metallic shaft or installed in a masonry shaft. The metallic shaft is free of rivets and silicon. It is weatherproof and suitable for seismic conditions.

The standard height of the shaft at the upper floor (from top floor to top of shaft) is between 2450 - 2630 mm, depending on the type of roof and landing doors: see table below. This includes a free height of 30 mm above the shaft for installation purposes. Elongation of the shaft is possible.

The shaft is powder coated with an orange peel finish (coarse grade) and painted with a gloss level of 80-90 in a RAL colour of choice, or in a selection of metallic colours. (See p.14 for RAL options and p.36 for metallic colours). If no colour is specified, the shaft is painted white (RAL 9010).

### Shaft ceiling types

The shaft is available with diagonal bars, a flat roof or an inclined roof. The roof is in one or two pieces, depending on the shaft dimensions.

Shaft height at upper floor:

Model	Installation	Folding / swing doors	Sliding doors
Concrete shaft	Any	2350 mm	2450 mm
Metal shaft with diagonal bars	Indoor	2450 mm	2590 mm
Metal shaft with flat roof	Indoor	2470 mm	2610 mm
Metal shaft with inclined roof	Outdoor	2490 mm	2630 mm

### Note: seismic conditions:

The shaft structure is designed to be used in locations where a seismic event can occur. 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.

However, it is not possible to state a priori the 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 behaviour and the resistance capacities of the structure also depend on its geometry and boundary constraint conditions.

Specific verification may be necessary according to local regulation. Please contact us for further information in specific cases.



# Shaft

## PANEL OPTIONS

The metallic shaft is available with plain painted steel or glass panels

All four sides of the shaft are clad with panels in steel or glass, and fitted with a special gasket for water management. The lowest panel on machine side is always a ventilation panel, made of steel and painted in the same colour as the shaft (see right). The ventilation panel reduces the effect of condensation inside the shaft.

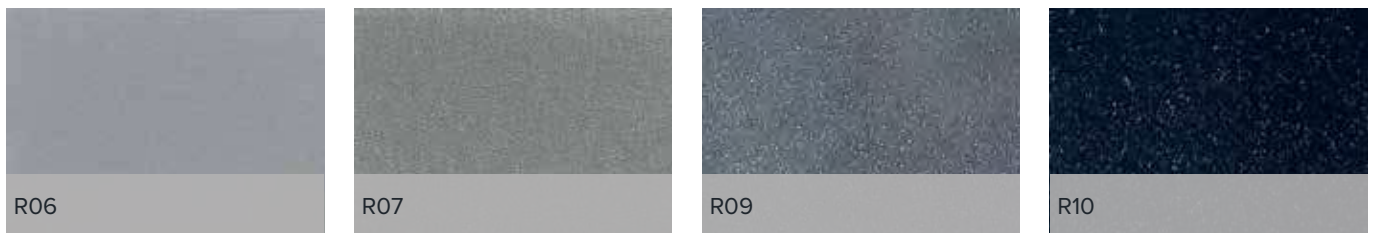
- **Steel:** galvanized steel, painted with standard RAL colour or a metallic colour from the selection below.
- **Glass panels:** laminated safety glass 8/9 mm (4+0.76+4), in choice of five different glass types.

The shaft can have a mixture of steel sides and glass sides.



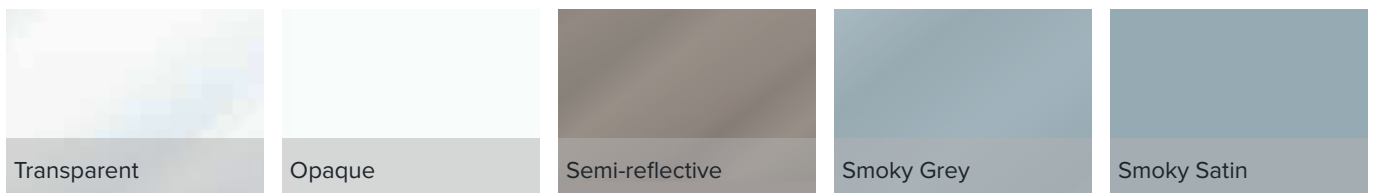
### Metallic Colours

In addition to the standard RAL range (see note p.14), the following metallic colours are available for the shaft, the shaft panels, and the landing doors (both sliding and swing doors).



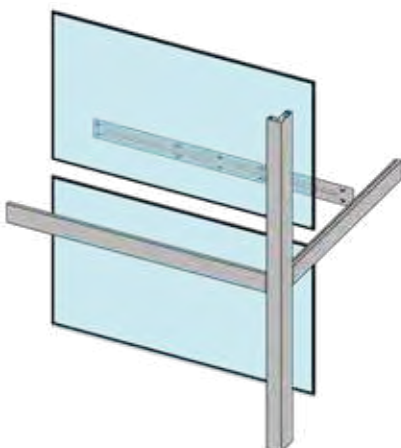
### Glass Panels

The following options are offered when glass panels are used in the shaft and doors.



## Easy-Snap System

A patented snap-lock fastening system provides quick and easy installation of the horizontal and vertical shaft frames without any additional fastening element.



# Shaft

## ADDITIONAL INFORMATION

### Optimised packaging

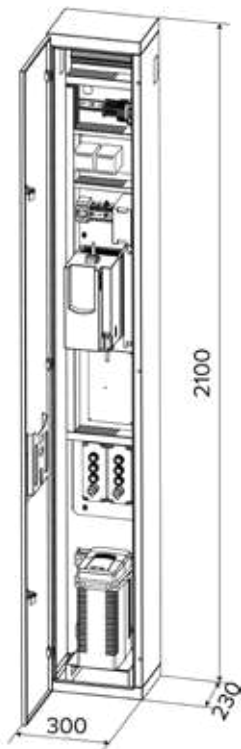
The lift is delivered with the main parts already assembled to reduce the installation time.

Electrical cables are pre-wired and prepared with connectors. Small parts are packaged into separate and clearly identified boxes.

T-guides are cut to measure to save time at the installation site, and are supplied in parts with a maximum length of 3000 mm. Shaft sections are supplied with a maximum length of 2500 mm.

The lift packaging is optimised to reduce logistics costs and to minimise the risk of breakages during transportation

### Electrical cabinet



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

Optionally it can be positioned at the bottom floor next 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 when ordering.

#### Finishes:

- Standard: metal-like skinplate, for indoor application
- Options: Stainless Steel 304 Satin for indoor or RAL paint of choice for indoor and outdoor use.

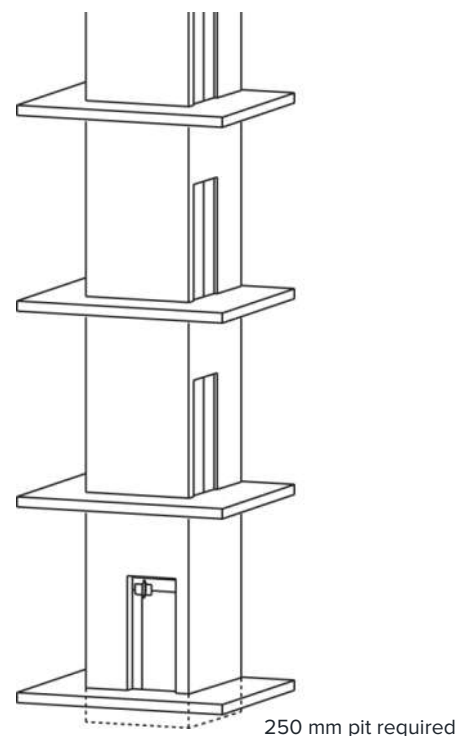
Dimensions: 300 x 230 x 2100 mm

### Pit Requirements

The standard required pit depth is 140 mm. Where the cabin is prepared for the customer's own flooring, an additional 20 mm is required.

In cases with a concrete shaft where the access at the lowest landing is the only one on that side of the shaft, a 250 mm pit is required so that the door mechanism can be accessed during installation and maintenance. This situation is shown on the diagram below.

The Altura Diamond home lift must not be installed where accessible spaces exist below the shaft.



# Drive

## STANDARD FEATURES

The Altura Diamond runs on a gearless cogbelt drive system, offering near-silent travel, with superior comfort and performance.

The cogbelt has an offset double-helix design which smooths the passage of the belt over the pulley, reducing noise and vibrations.



For the safety and comfort of users, the following features are provided as standard on all Altura Diamond Lifts

### **Battery operated emergency lowering**

If the power fails while the lift is between floors, the battery UPS (uninterruptible power supply) back-up system allows the user to move the lift downwards, open the doors and leave the lift by simply pressing any destination button on the control panel. The emergency lowering can also be activated externally from the landing control panel or from the service panel.

### **Battery protection**

The UPS system continuously monitors the back-up batteries to ensure that they are not damaged and that they always hold enough power to run the lift in an emergency. If the back-up battery power level falls below a pre-defined level, the lift cannot be used and will switch itself off until the back-up power level is restored.

### **Soft start and stop.**

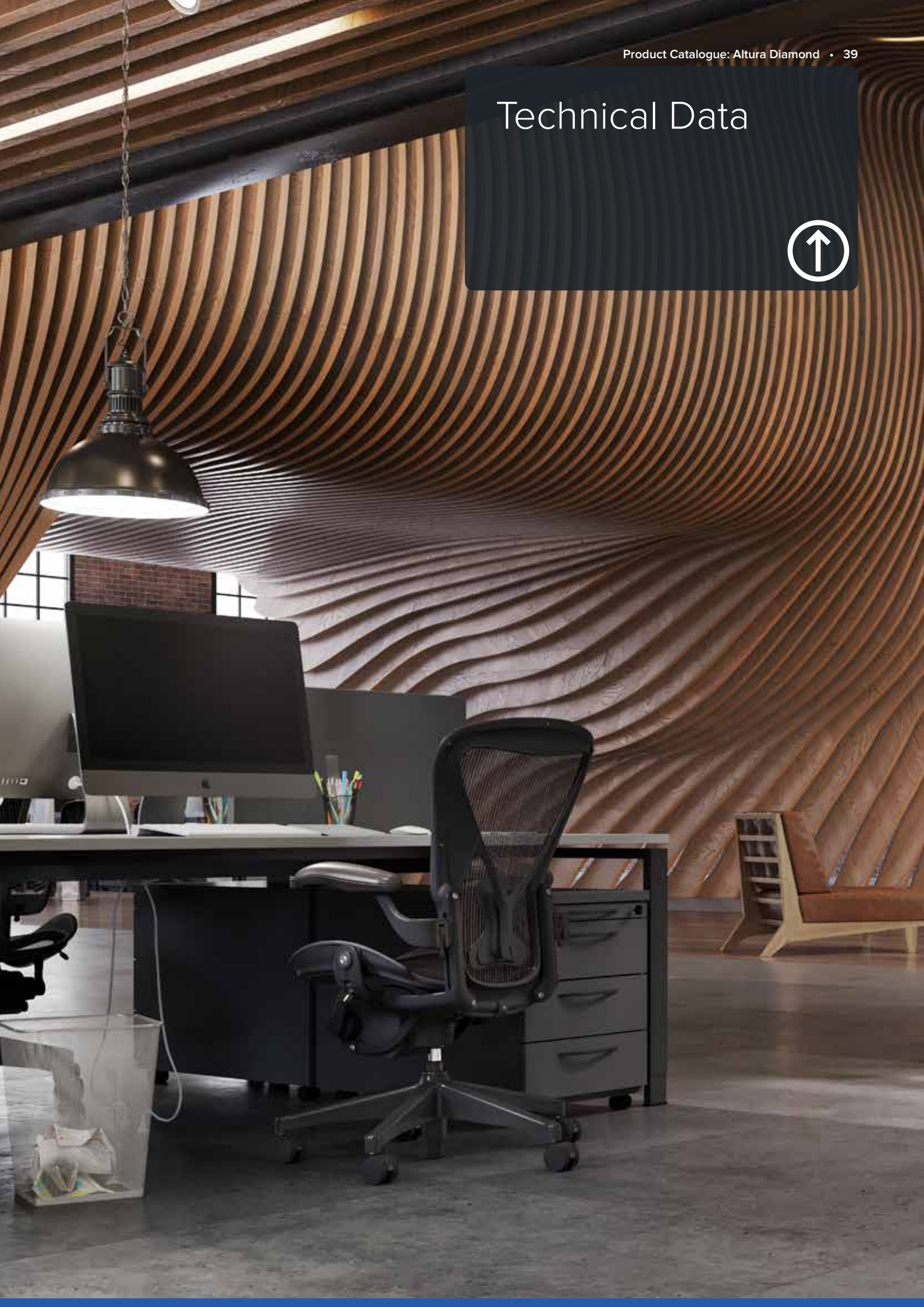
A soft start and soft stop device ensures a smooth and comfortable ride. The soft start and stop settings are pre-programmed at the factory, but can be adjusted on-site if required.

### **Safety first**

The Altura Diamond is fully certified to European safety standards. The electronic systems are SIL3 certified by a third party, exceeding standard regulatory requirements for the home lift market. For the greatest possible security, the over-speed governor and the brake are run on separate systems from the main drive.

An overload device prevents the lift from running if the maximum load is exceeded.

# Technical Data



# Reaction Forces

Specific details regarding the forces are provided in the technical dossier for each lift order. The information given here indicates loads under typical climate conditions (wind, snow, temperature) and typical fixings of the lift to the building.

## Reaction forces from the lift to the building floor:

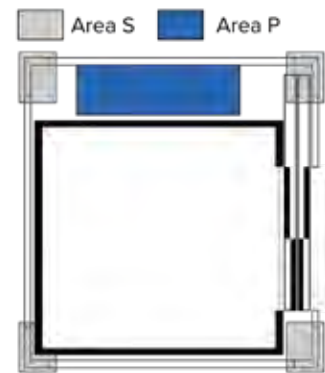
- The force from the lift is uniformly distributed to the base plate in pit area P, and depends on the travel height and the model version.
- The force from the shaft is distributed to the four corner plates of the shaft structure area S and depends on the travel height.
- The maximum total force depends on the travel height.

Load from the lift to area "P"

Travel (m)	BL41 Load (kN)	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)	Total (kN)	kN / corner	N/mm <sup>2</sup> / corner
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 forces on the wall (rail side)

### Concrete shaft

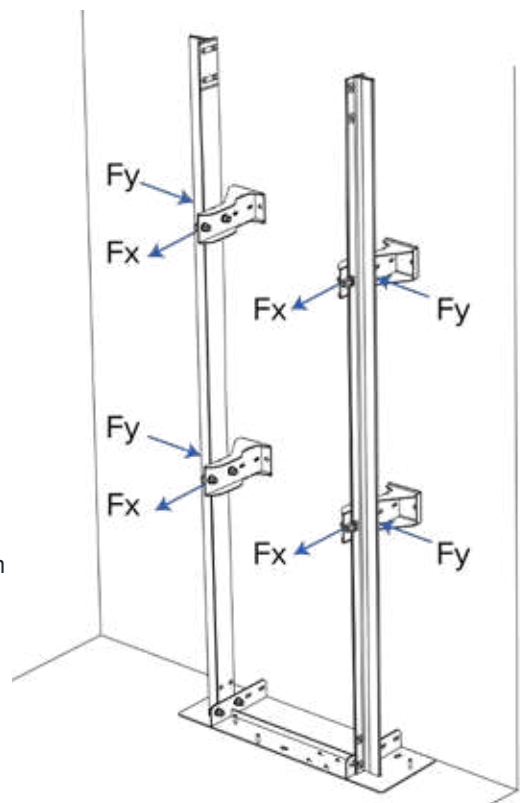
- The force is distributed to the wall through each crossbeam.
- The average vertical distance between each crossbeam is 1.1 - 1.5 m
- The maximum force applied to each fixing point depends on the lift speed.

Speed (m/s)	Fx guide side [kN]	Fy guide side [kN]
≤ 0.15	2.6	0.9
> 0.15	4.7	1.6

### Metal shaft

- Typically, the metal structure is fixed to the building every 2000 mm in height by means of expansion bolts.
- A wide range of fixing solutions is available to cover the most stringent applications.
- Under normal conditions, loads do not exceed 3 kN for each fixing point.

Further information can be found in the Fixings Guide.



# Feasibility Information

## PANORAMIC CABIN WALLS & DOORS

For the purposes of load calculations, "panoramic" refers here to any side of the cabin with glass windows, glass door panels or mirrors.

There are no restrictions when combining finishes and optional items for cabins with a floor area smaller than 1,3 m<sup>2</sup> (nominal load 325 kg). For larger cabins, the weight of the glass means that some limitations exist when combining multiple panoramic sides. A weight check is needed for the configuration of additional options from our catalogue.

The tables below summarise the available combinations based on European regulations. Outside Europe, local regulations may state a different minimum rated load, resulting in differences in the feasibility of panoramic sides.

### Simplicity cabin, 1 access

Floor Area	Number of panoramic sides with any option		
	1	2	3
up to 1.3 m <sup>2</sup>	full availability	full availability	full availability
1.3 - 1.44 m <sup>2</sup>	full availability	full availability	full availability
> 1.44 m <sup>2</sup>	full availability	full availability	full availability

### Simplicity cabin, 2 accesses

Floor Area	Number of panoramic sides with any option		
	1	2	3
up to 1.3 m <sup>2</sup>	full availability	full availability	full availability
1.3 - 1.44 m <sup>2</sup>	full availability	full availability	full availability
> 1.44 m <sup>2</sup>	full availability	full availability	carpet/PVC floor only

### Deluxe cabin, steel walls, 1 access

Floor Area	Number of panoramic sides with any option		
	1	2	3
up to 1.3 m <sup>2</sup>	full availability	full availability	full availability
1.3 - 1.44 m <sup>2</sup>	full availability	full availability	full availability
> 1.44 m <sup>2</sup>	full availability	full availability	carpet/PVC floor only

### Deluxe cabin, steel walls, 2 accesses

Floor Area	Number of panoramic sides with any option		
	1	2	3
up to 1.3 m <sup>2</sup>	full availability	full availability	full availability
1.3 - 1.44 m <sup>2</sup>	full availability	full availability	carpet/PVC floor only
> 1.44 m <sup>2</sup>	full availability	carpet/PVC floor only	not available

### Deluxe cabin, laminate walls, 1 access

Floor Area	Number of panoramic sides with any option		
	1	2	3
up to 1.3 m <sup>2</sup>	full availability	full availability	full availability
1.3 - 1.44 m <sup>2</sup>	full availability	full availability	carpet/PVC floor only
> 1.44 m <sup>2</sup>	carpet/PVC floor only	carpet/PVC floor only	not available

### Deluxe cabin, laminate walls, 2 accesses

Floor Area	Number of panoramic sides with any option		
	1	2	3
up to 1.3 m <sup>2</sup>	full availability	full availability	full availability
1.3 - 1.44 m <sup>2</sup>	full availability	carpet/PVC floor only	carpet/PVC floor only
> 1.44 m <sup>2</sup>	carpet/PVC floor only	not available	not available



# Feasibility Information

## TYPICAL DIMENSIONS

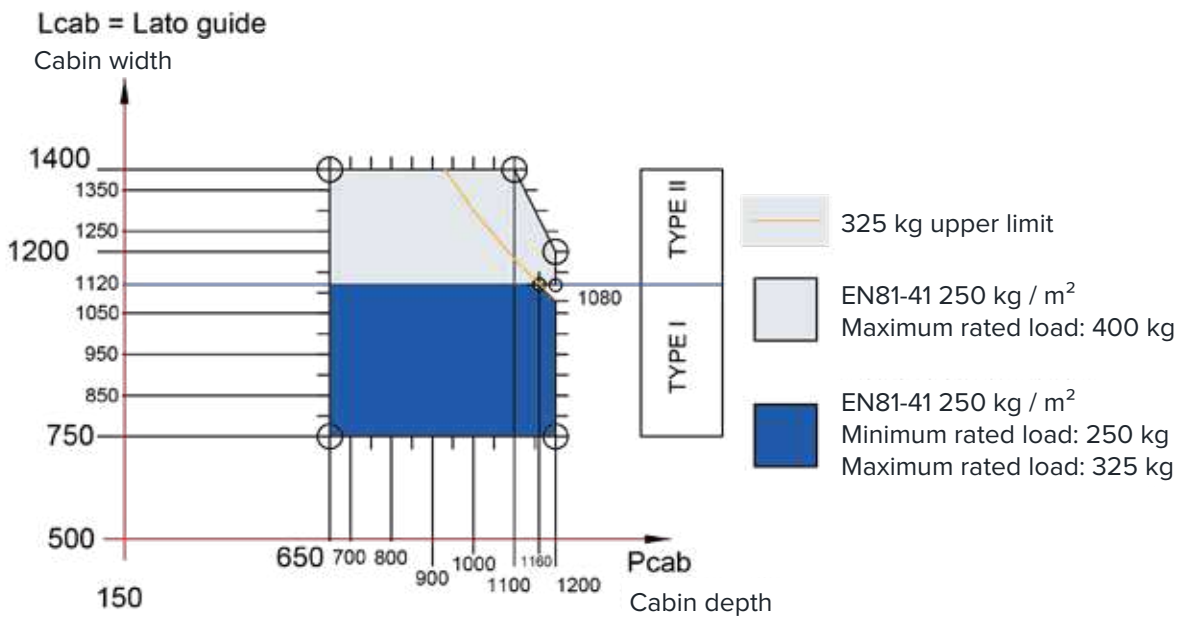
### Narrow and wide layouts

The Altura Diamond is provided with two different layouts according to the cabin dimensions:

Lift Type	Distance between guides	Cabin width min - max
Type I (Narrow)	640 mm	750 - 1120 mm
Type II (Wider)	1000 mm	1121 - 1400 mm

The feasibility diagram below indicates the potential maximum rated load, according to the cabin dimensions and the type of lift.

Each Altura Diamond lift is designed to carry the minimum nominal load of 250 kg/m<sup>2</sup> in accordance with the EN code. If a higher rated load is required, this should be specified at the order stage so that the correct calculations can be applied.



### Pre-defined plans

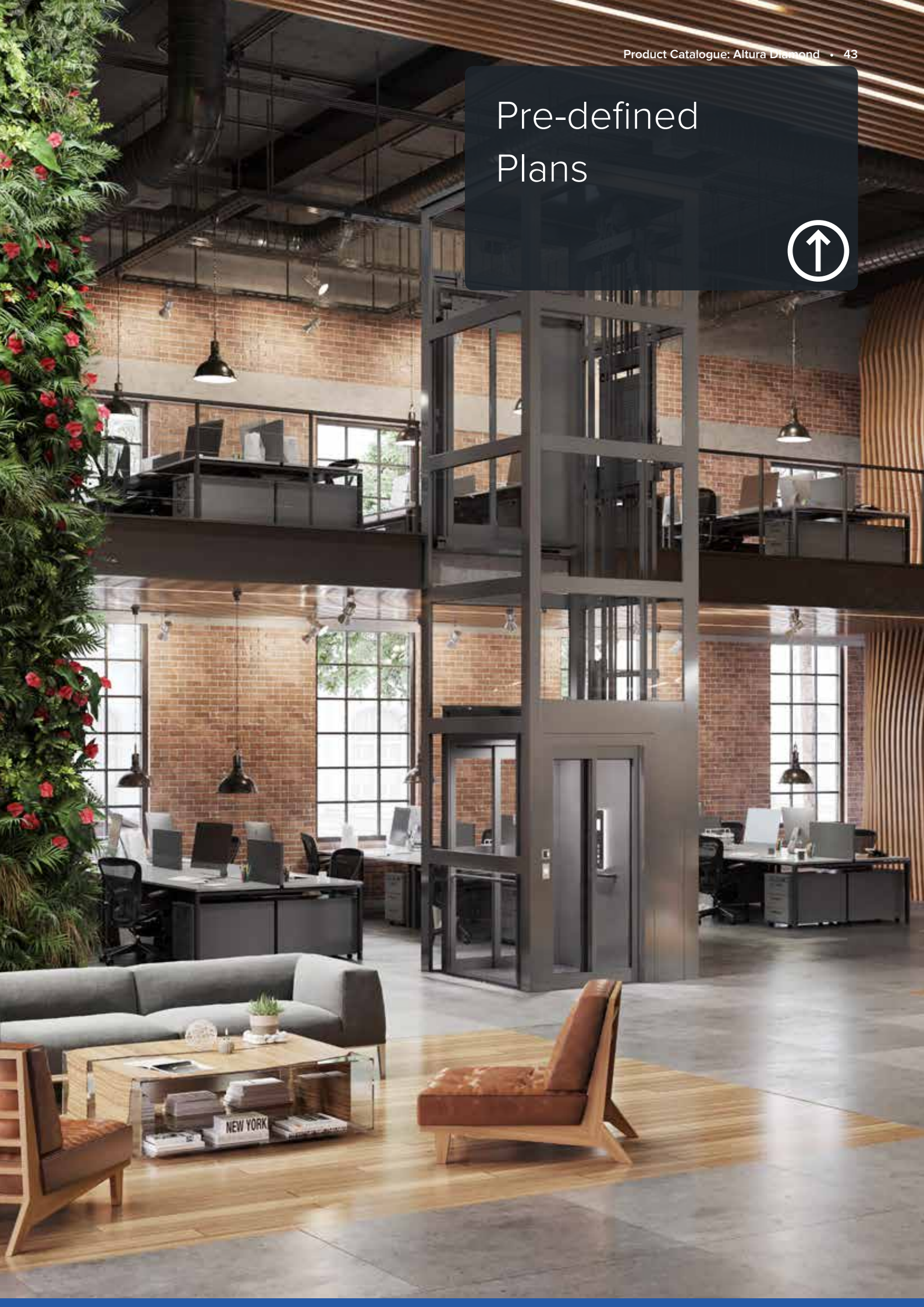
The following pages give a range of predefined plans, based on typical requirements, with pre-selected door layouts and types. These are offered as standard solutions

Other dimensions and door configurations are possible, within the maximum and minimum sizes indicated in the diagram above. We can offer modular plan sizes, using the standard shaft structure elements, or completely customised made-to-measure plans. Please note that customised plan sizes have longer delivery times and additional costs.

### Oversized masonry shaft

As a general rule, the Altura Diamond can be installed in a masonry shaft that is larger than the dimensions given in the standard plans, provided that the maximum gap between the cabin and the shaft wall does not exceed 150 mm.

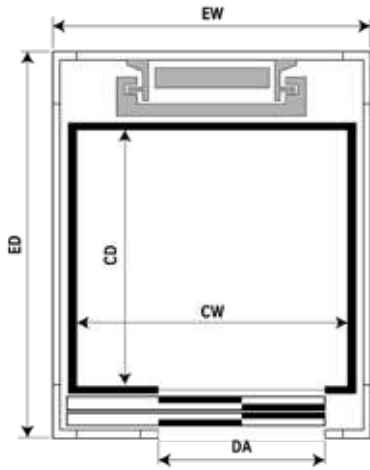
# Pre-defined Plans



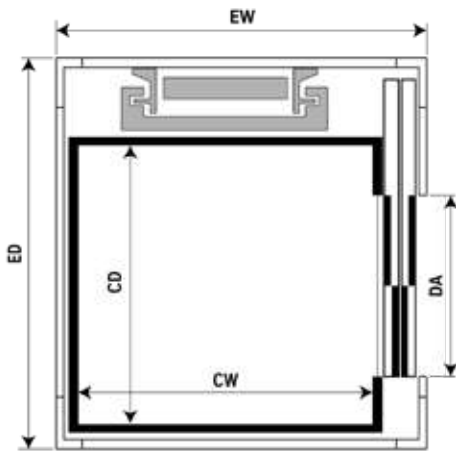
# Metallic shaft with sliding doors

Unless otherwise stated, doors are lateral opening two panels (2P). (4P) indicates four panel central opening. EN 81-41 configurations shown in grey.

### Frontal Access



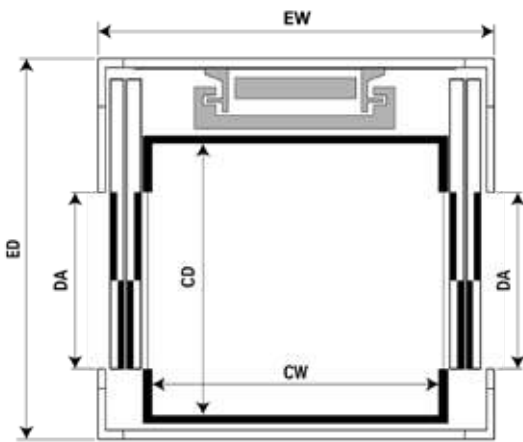
	P1	P2	P3	P4	P5	P6	P7	P8
CW	900	1010	1010	1210	-	1400	1400	1400
CD	1215	815	1015	1015	-	915	1015	1115
EW	1300	1300	1300	1450	-	1600	1600	1600
ED	1900	1500	1700	1700	-	1600	1700	1800
DA	700(4P)	700 (4P) 600 (2P)	700 (4P) 600 (2P)	750	-	850	850	850
Rated Load	270	250	250	300	-	315	350	385



### Lateral Access



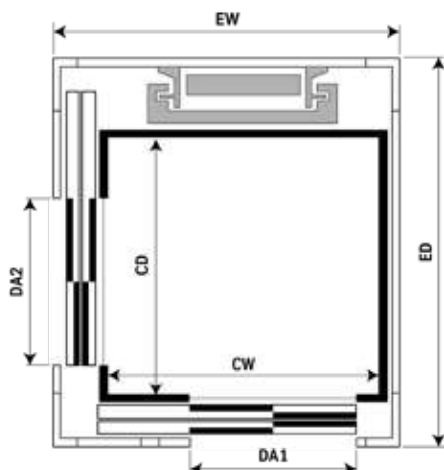
	P1	P2	P3	P4	P5	P6	P7	P8
CW	900	1010	1010	1210	-	1410	1410	1410
CD	1200	800	1000	1015	-	920	1015	1134
EW	1300	1400	1400	1600	-	1800	1800	1800
ED	1750	1300	1500	1550	-	1450	1550	1650
DA	900	650	800	800	-	750	800	900
Rated Load	270	250	250	300	-	315	350	385



### Opposite Accesses



	P1	P2	P3	P4	P5	P6	P7	P8
CW	890	1040	1040	1240	-	1400	1400	1400
CD	1200	795	995	1015	-	920	1034	1134
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	250	300	-	315	350	385



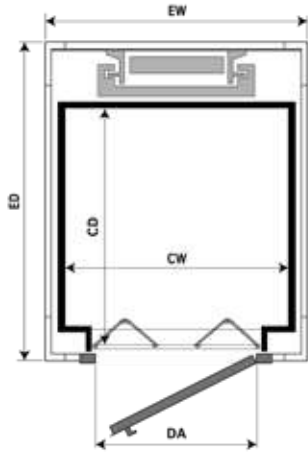
### Adjacent Accesses



	P1	P2	P3	P4	P5	P6	P7	P8
CW	900	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 (4P)	750	850 (2P) 900 (4P)	900	900	900
DA2	900	700	800	800	850	750	800	900
Rated load	270	250	250	300	360	315	350	385

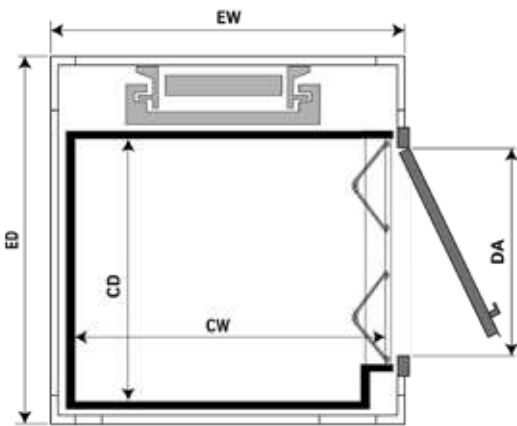
# Metallic shaft with folding / swing doors

EN 81-41 configurations shown in grey.



### Frontal Access

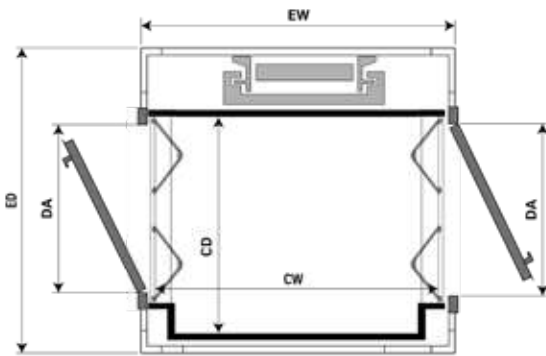
	P1	P2	P3	P4	P5	P6	P7	P8
CW	930	1000	1000	1200	-	1400	1400	1400
CD	1205	805	1005	1005	-	905	1005	1105
EW	1200	1200	1300	1450	-	1600	1600	1600
ED	1800	1400	1600	1600	-	1500	1600	1700
DA	700	800	800	900	-	900	900	900
Rated Load	270	250	250	300	-	315	350	385



### Lateral Access



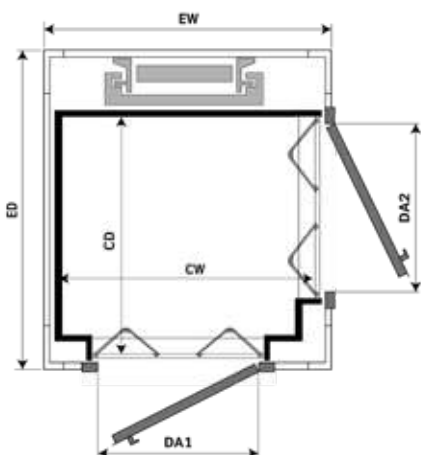
	P1	P2	P3	P4	P5	P6	P7	P8
CW	900	1000	1000	1200	-	1400	1400	1400
CD	1195	810	1010	1010	-	910	1010	1110
EW	1200	1300	1300	1500	-	1700	1700	1700
ED	1700	1350	1550	1550	-	1450	1550	1650
DA	900	650	850	850	-	750	850	900
Rated Load	270	250	250	300	-	315	350	385



### Opposite Accesses



	P1	P2	P3	P4	P5	P6	P7	P8
CW	920	1020	1020	1220	-	1420	1420	1420
CD	1195	795	995	1010	-	920	1035	1135
EW	1300	1400	1400	1600	-	1800	1800	1800
ED	1700	1300	1500	1550	-	1450	1550	1650
DA	900	650	850	850	-	750	850	900
Rated Load	270	250	250	300	-	315	350	385



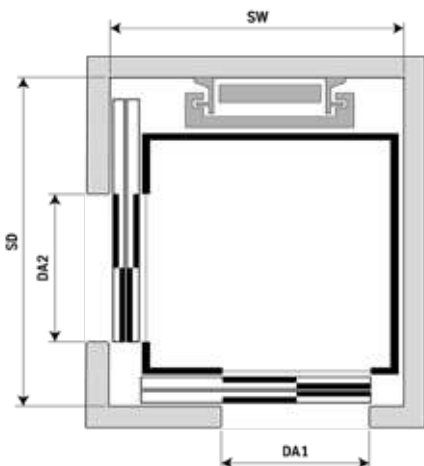
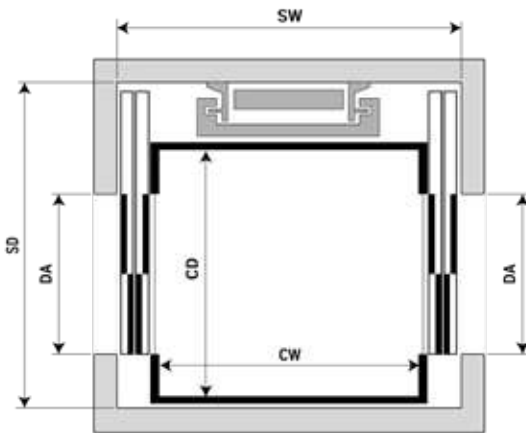
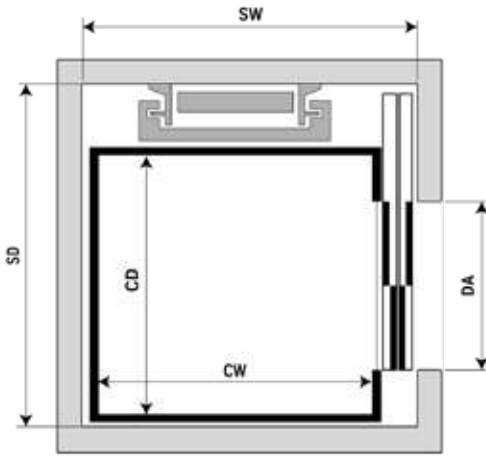
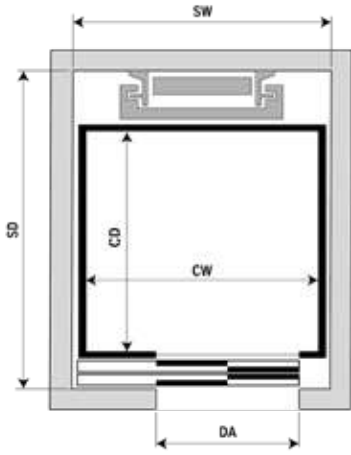
### Adjacent Accesses



	P1	P2	P3	P4	P5	P6	P7	P8
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	270	250	250	300	360	315	350	385

# Concrete shaft with sliding doors

Unless otherwise stated, doors are lateral opening two panels (2P). (4P) indicates four panel central opening. EN 81-41 configurations shown in grey.



### Frontal Access

	P1	P2	P3	P4	P5	P6	P7	P8
CW	900	1010	1010	1210	-	1400	1400	1400
CD	1215	815	1015	1015	-	915	1015	1115
SW	1180	1150 1220	1150 1220	1350	-	1540	1540	1540
SD	1820	1420	1620	1620	-	1520	1650	1720
DA	700(4P)	700 (4P) 600 (2P)	700 (4P) 600 (2P)	750	-	850	850	850
Rated Load	270	250	250	300	-	315	350	385

### Lateral Access

	P1	P2	P3	P4	P5	P6	P7	P8
CW	900	1010	1010	1210	-	1410	1410	1410
CD	1200	800	1000	1015	-	920	1015	1134
SW	1210	1320	1350	1550	-	1720	1720	1720
SD	1635	1235	1435	1450	-	1335	1450	1570
DA	900	650	800	800	-	750	800	900
Rated Load	270	250	250	300	-	315	350	385

### Opposite Accesses

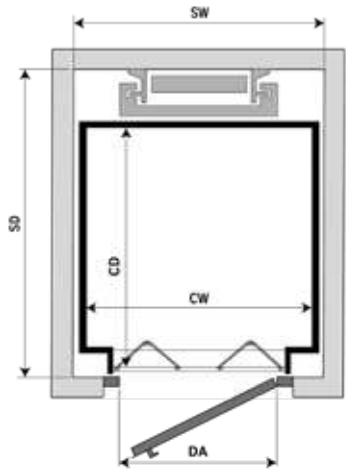
	P1	P2	P3	P4	P5	P6	P7	P8
CW	890	1040	1040	1240	-	1400	1400	1400
CD	1200	795	995	1015	-	920	1034	1134
SW	1370	1520	1520	1720	-	1880	1880	1880
SD	1635	1230	1430	1450	-	1355	1470	1570
DA	900	650	800	800	-	750	800	900
Rated Load	270	250	250	300	-	315	350	385

### Adjacent Accesses

	P1	P2	P3	P4	P5	P6	P7	P8
CW	900	1010	1010	1210	1210	1400	1400	1400
CD	1210	815	1015	1015	1215	915	1015	1115
SW	1210	1320	1320	1520	1520	1720	1720	1720
SD	1815	1420	1620	1620	1820	1520	1620	1720
DA1	600(4P)	600	700 (4P)	750	850 (2P) 900 (4P)	900	900	900
DA2	900	700	800	800	850 900	750	800	900
Rated load	270	250	250	300	360	315	350	385

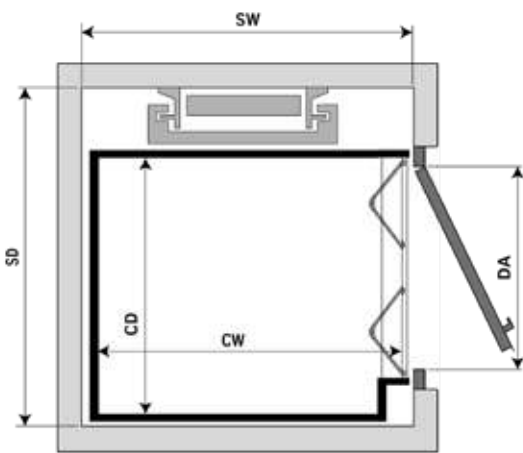
# Concrete shaft with folding / swing doors

EN 81-41 configurations shown in grey.



### Frontal Access

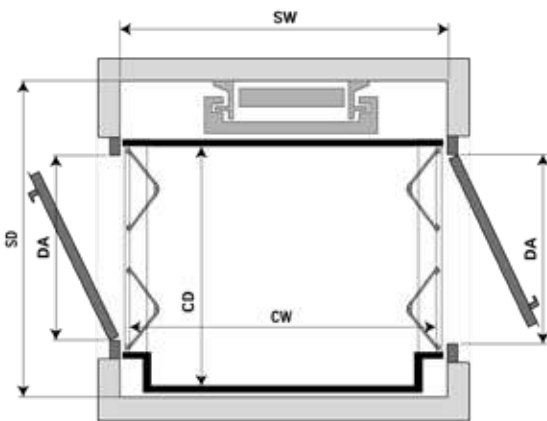
	P1	P2	P3	P4	P5	P6	P7	P8
CW	930	1000	1000	1200	-	1400	1400	1400
CD	1205	805	1005	1005	-	905	1005	1105
SW	1050	1120	1120	1320	-	1520	1520	1520
SD	1720	1320	1520	1520	-	1420	1520	1620
DA	700	800	800	900	-	900	900	900
Rated Load	270	250	250	300	-	315	350	385



### Lateral Access



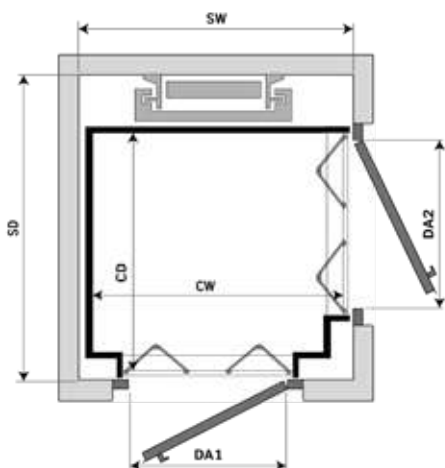
	P1	P2	P3	P4	P5	P6	P7	P8
CW	900	1000	1000	1200	-	1400	1400	1400
CD	1195	810	1010	1010	-	910	1010	1110
SW	1110	1210	1210	1410	-	1610	1610	1610
SD	1620	1235	1435	1435	-	1335	1435	1535
DA	900	650	850	850	-	750	850	900
Rated Load	270	250	250	300	-	315	350	385



### Opposite Accesses



	P1	P2	P3	P4	P5	P6	P7	P8
CW	920	1020	1020	1220	-	1420	1420	1420
CD	1195	795	995	1010	-	920	1035	1135
SW	1220	1320	1320	1460	-	1720	1720	1720
SD	1620	1220	1420	1220	-	1345	1460	1560
DA	900	650	850	850	-	750	850	900
Rated Load	270	250	250	300	-	315	350	385



### Adjacent Accesses



	P1	P2	P3	P4	P5	P6	P7	P8
CW	900	1000	1000	1200	1200	1400	1400	1400
CD	1205	805	1005	1005	1205	905	1005	1105
EW	1110	1210	1210	1410	1410	1610	1610	1610
ED	1720	1320	1520	1520	1720	1420	1520	1620
DA1	650	750	750	800	900	900	900	900
DA2	900	650	750	800	900	750	800	900
Rated Load	270	250	250	300	360	315	350	385

Your local Access BDD partner is:



FOR STRAIGHT  
STAIRCASES

# HOME GLIDE

ACCESS

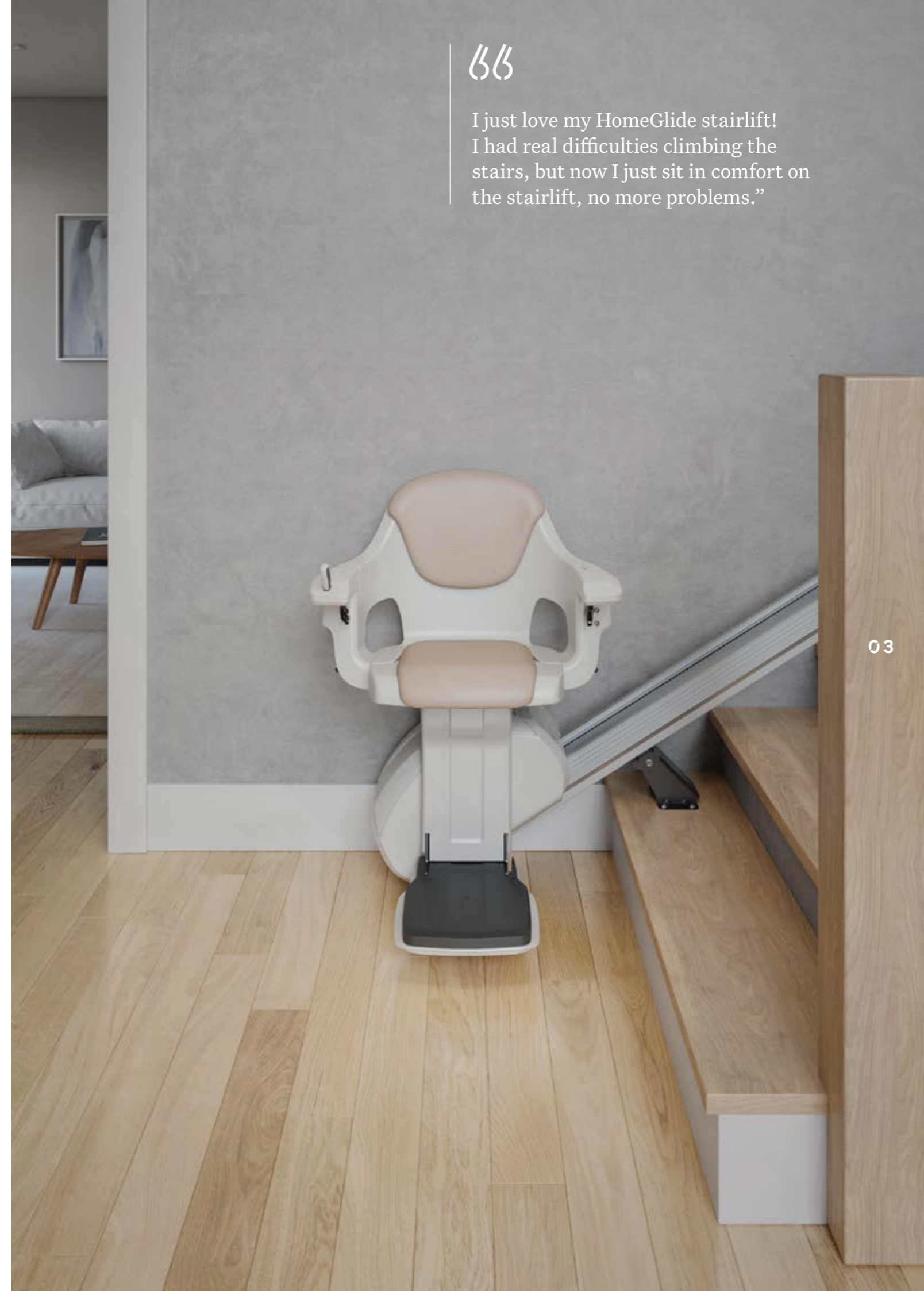




**THE HOMEGLIDE'S  
ALUMINIUM RAIL  
HAS A SLIM DESIGN  
GIVING A MODERN  
AND CLEAN LOOK**

02

The HomeGlide stairlift range delivers a solution for all straight staircase requirements and budgets. The HomeGlide, HomeGlide Extra and HomeGlide Outdoor are fitted onto your staircase and not your wall. This allows the lift to be installed quickly, easily and with minimal disruption to your home.



BB

I just love my HomeGlide stairlift! I had real difficulties climbing the stairs, but now I just sit in comfort on the stairlift, no more problems."

03

## 1 IT'S ALL ABOUT YOU

The thick and luxurious padding ensures a firm and comfortable seat. The sisal colour of the upholstery is a neutral tone which will fit in every household. The upholstery is also fire retardant, liquid repellent and easy to clean. The HomeGlide is operated with an easy to use joystick which can also be removed to prevent unauthorised usage.



It is designed to glide effortlessly along an aluminium track, providing an attractive, elegant and discreet addition to your home. Built using the latest technology, the HomeGlide stairlift range can be fitted to almost all straight staircases as narrow as 740mm.

## 2 COMPACT AND DISCREET

04

The HomeGlide's design is simple, sturdy and above all satisfies your accessibility requirements. Remote control handsets allow the HomeGlide to park at either the top or bottom of the staircase, wherever is the most convenient for you. When not in use the HomeGlide is folded away to only 380mm on any landing, out of the way of any other staircase users.

## 3 SAFETY

Your safety is of paramount importance to us. The HomeGlide stairlift is certified to machine directive 2006/42/EG and BS EN 81-40. During travel the retractable seat belt will keep you secure on the stairlift. If the lift encounters an obstacle it will safely come to a stop as a result of special safety edges on the drive unit. The stairlift is battery operated, which means you can still use it during a power cut.

2



1

3



05



MOVE BETWEEN ALL  
LEVELS OF YOUR  
HOME WITH MAXIMUM  
COMFORT AND  
SAFETY

06 **IT'S ALL**  
ABOUT YOU



**Automatic Powered Hinge**

If you have an obstruction at the foot of the staircase you can choose to have an automatic powered hinge installed. Once you have used the stairlift it will return to the top of the stairs and the lower section of the rail will fold away, leaving the bottom of your staircase clear.



**Retractable Safety Belt**

A retractable seat belt keeps you secure while using your HomeGlide stairlift.

When you choose a HomeGlide stairlift you ensure an ideal solution for your staircase. With a smooth aluminium track, this stairlift can be fitted to almost any straight staircase.



# HOMEGLIDE EXTRA

08 AN ARRAY OF  
OPTIONS AND  
ENHANCEMENTS

With an added choice of upholstery and functionality options, HomeGlide Extra is an elegant and attractive addition to your home.

## UPHOLSTERY

Vinyl



Red



Grey

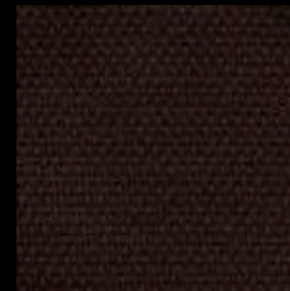


Maroon



Sisal

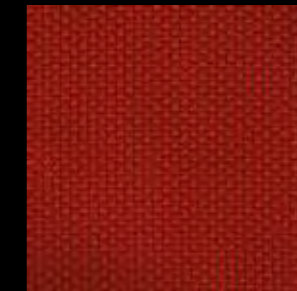
Fabric



Dark Brown



Beige



Red

09

CHOOSE FROM  
FABRIC AND VINYL  
SEAT COVERS TO  
MATCH THE STYLE  
OF YOUR HOME

1

**Linked footrest**

As standard, the HomeGlide Extra comes with a linked footrest. This feature makes it most effortless when unfolding the chair as the footrest is linked to the seat.

2

**Ergonomically-shaped seat**

Designed with ergonomic experts the HomeGlide Extra uses a seat which positively influences your posture while offering maximum comfort.

There are four different seat heights to choose from providing you with the most comfortable seating position possible.

3

**A world of choice**

As well as the quality enhancements that come as standard with the HomeGlide Extra, there are a number of options available which include a wide array of upholstery colours. Choose from fabric and vinyl seat covers to match the style of your home and décor.

4

**Powered swivel seat**

The HomeGlide Extra comes with a manual swivel seat as standard. Upgrading to the powered swivel seat allows you to turn the chair easily at the top or bottom landing by maintaining pressure on the joystick. This allows a safe exit from the chair as the lift automatically rotates away from the open staircase.

AS STANDARD,  
THE HOMEGLIDE  
EXTRA COMES WITH  
A LINKED FOOTREST





# HOMEGLIDE OUTDOOR ACCESS ALL YEAR ROUND

12

**WITH THE IP-55  
RATED HOMEGLIDE  
OUTDOOR MODEL,  
YOU CAN ENJOY  
OUTDOOR ACCESS  
WHATEVER THE  
WEATHER**



The HomeGlide Outdoor has successfully passed a range of industry accepted corrosion, rain protection and climate testing to ensure reliability and performance, and has specially treated components to provide you with a stairlift that can be used at any time of the year.



A weatherproof coating on all exposed parts of the lift protects against rain, dust and direct sunlight. A cover is provided to give additional protection to the lift when not in use.

13

# TECHNICAL SPECIFICATION

## CERTIFIED TO THE HIGHEST STANDARDS

### SPECIFICATION

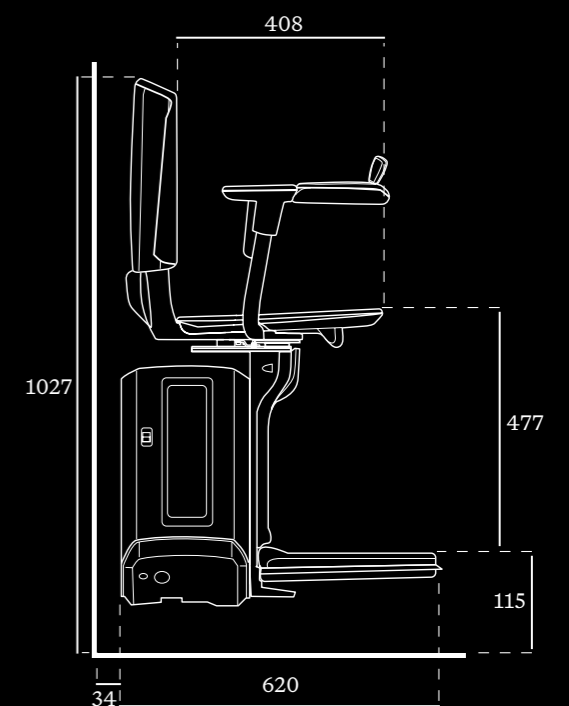
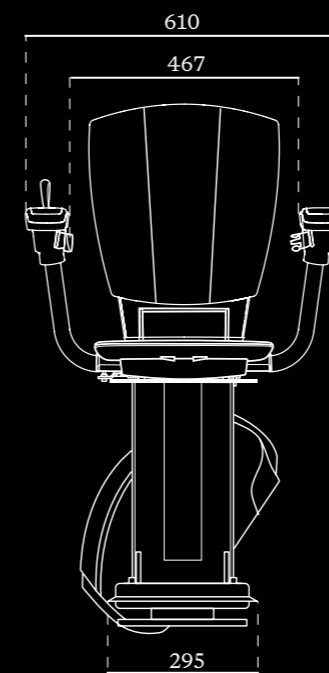
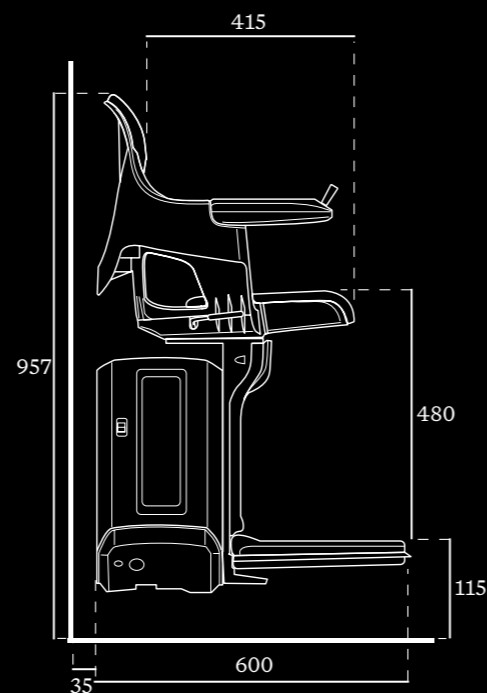
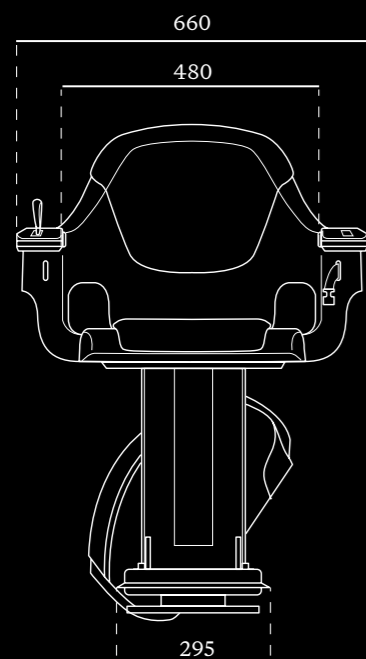
Max Speed	0.12 m/s
Drive Type	Rack and pinion
Motor Wattage	280 W
Weight Capacity	Standard: max 146 kg Outdoor: max 125 kg
Batteries	2 × 12 V batteries; total 24V
Operation	Joystick control as standard
Staircase Incline	28° up to 53° (up to 45° for use in 125–146 kg range)
Certification	Machine Directive 2006/42/ EG BS EN 81-40
Automatic Stop	Yes
Footrest	Yes
Retractable Safety Belt	Yes

“

The HomeGlide is the perfect solution for any straight staircase. I was able to install the stairlift within just a few hours – the customer was delighted.”

14

15



THE HOMEGlide  
EXTRA PROVES TO  
BE THE ULTIMATE  
MARRIAGE OF  
ELEGANT DESIGN  
AND HI-TECH  
FUNCTIONALITY  
FOR ANY STRAIGHT  
STAIRCASE





# ABOUT ACCESS

18

Access BDD is a division of thyssenkrupp Access Ltd. We give people around the world the ability to move comfortably around buildings by providing stairlifts, platform lifts and home lifts, which we distribute via a network of carefully chosen business partners. When you choose an Access BDD lift, you're choosing a high-quality product, supported by expert service and advice.

Our partners are all specialists in mobility or elevator products, and they receive extensive technical and commercial training on our products. Your Access BDD partner will guide you through the product options to help you choose a lift that meets your own needs and suits your surroundings. You'll also receive expert advice to ensure that your new lift conforms to relevant accessibility and safety regulations.

Our products are designed for easy installation and maintenance, with everything taken care of by your Access BDD approved partner.

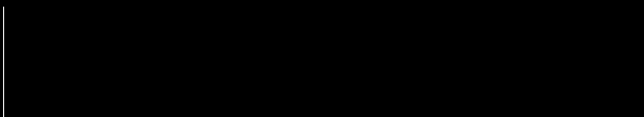
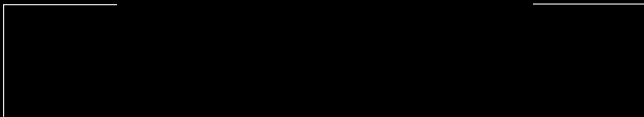


19

**SINCE 1976 WE'VE  
BEEN SIMPLIFYING  
COMPLEX CHOICES  
TO HELP PEOPLE  
MOVE AROUND  
THEIR HOMES**

Access BDD is one  
of Europe's leading  
suppliers of stairlifts,  
platform lifts and  
home lift solutions

Your local Access BDD dealer is:





# HAS HOME EDITION



**HAS**  
homelift



## Elevator is Our Business

Along with the our solution of complete package for your buildings now we are in your homes.

The home elevator becomes part of your home.

We are aware that homelift should be harmonized with your home and furniture design and all reflect your style.

Therefore by putting safety first we provide you a lift as a master piece of art and engineering, along with the reliability of Has Elevator which serve you a complete elevator solutions over 40 years.

From to garage to the roof





## You imagine, we do !

Design of homelift can be customized according to the customer`s home design and requests



## HAS Home Edition provide you;

- Safety
- Quality
- Design
- Elegance and stylish
- Fast and easy instalation
- Space efficient of your homes
- Smooth, quiet and comfortable travel
- Indoor and outdoor solutions



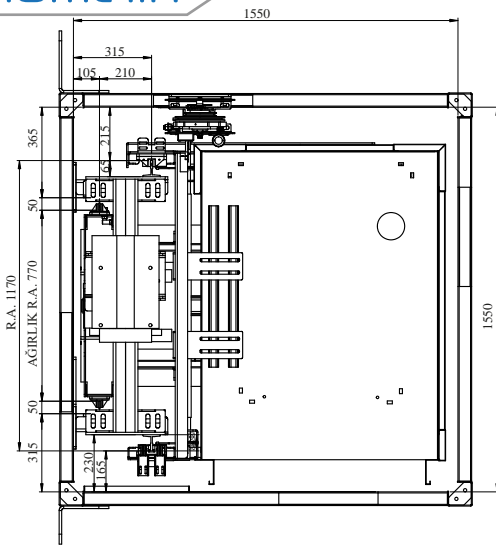


## Fast and easy installation !

The lift is delivered in ready made modules with everything you need for installation including lift shaft.

With HAS Home Edition you will increase the mobility at your home and you can use it confidently with your family.





**A Home Lift is ideal for:**

- Persons with disabilities
- Persons with reduced mobility
- Senior citizens
- Families with small children in pushchairs
- Carrying the shopping

**Application areas for Home Lift in public sector**

- Small administration buildings
- Schools and universities
- Nurseries
- Community centres, churches
- Museums or libraries
- Leisure or sports halls

**Home Lift in private houses, offices or residential buildings**

- Multi-floor houses and apartment buildings
- Retirement homes and medical centres
- Small office buildings

**Most important features at a glance**

- Duty loads from 250 kg up to 500 kg
- Travel height min. max. 25 m
- Speed 0,15 m/s
- Shaft head min. 2600 mm
- Shaft pit min. 200 mm, max. 400 mm
- Synchronous gearless drive
- Door centre opening or side opening (depends on type)
- Through car / adjacent entrance possible
- Modern CAN-Bus-controller
- 380 V 3 phase 50/60 hertz
- 90 starts/ hour
- 20 % switched on time
- Type certified in accordance with machine directive 2006/42/EC and EN81-41

**Technical Features**

With its variable car and shaft dimensions and configurations along with low pit and headroom requirements, the HAS Home Edition can be easily integrated into existing buildings. The unit is low maintenance and can be installed in short site times. Capacities between 250 and 500 kgs are possible with a speed of 0.15m/s. Doors can be side or centre opening and can provide front only through or even open adjacent options. The field orientated frequency inverter provides a quiet and extremely smooth ride.

The range of finishes available in the HAS Home Edition allows the choice of complimentary finishes within existing and new surroundings.

HAS HOME EDITION					
Rated Load (kg)	kg	250	315	385	500
Suspension		2:1	2:1	2:1	2:1
Number of persons		1 / 3	1 / 4	1 / 5	1 / 6
Rated Speed ( m/s )	m/s	0,15 m/s	0,15 m/s	0,15 m/s	0,15 m/s
Double entrance		o	o	o	o
Adjacent entrance		o	o	o	o
Number of stops	Pcs.	7(14)	7(14)	7(14)	7(14)
<b>Shaft Dimensions*</b>					
Shaft Width SW	mm	1350	1450	1650	1750
Shaft Depth SD	mm	1600	1750	1750	1800
Shaft Pit SP ( min.)	mm	200/250	200/250	200/250	200/250
Headroom HR**	mm	2600	2600	2600	2600
<b>Doors</b>					
Door width DW	mm	700-800	700-800	700-900	700-900
Door height DH** ( optional )	mm	2000	2000	2000	2000
<b>Door Type</b>					
Standart		Automatic T2 L/R	T2 L/R	T2 L/R	T2 L/R
Optional		Semi Automatic	Semi Automatic	Semi Automatic	Semi Automatic
<b>Car</b>					
Car width CW standart	mm	800	900	1100	1200
Car width CW min./max.	mm	700/1200	700/1200	700/1200	700/1200
Car depth CD standart	mm	1250	1400	1400	1400
Car depth CD min./max.	mm	1000/1400	1000/1400	1000/1400	1200 ( 1600 )
Car height CH clear height** ( optional )	mm	2100	2100	2100	2100

\* Depending on door type  
 \*\* optional dimension , can change car height  
 o=optional





## Security System

- **Photocell** detect a passenger on the doorway which prevents the doors from closing (usually installed for accessibility). If a person or an object blocks the doorway and the sensors detects the person or object, the door will reopen then stays open and will not closed until the person moves away or the object is removed from the doorway (**just for full automatic elevator doors**)
- **Door Lock Systems** Prevents movement of the elevator when floor doors are opened and it provide closing of the door when the elevator is running (**just for full automatic elevator doors**)
- **Double Safety Double Pinned Lift Landing Door Locking Device** Using just for semi automatic doors elevator (**just for semi automatic elevator doors**)
- **Folding Car Door** Provide security of passengers for the semi automatic doors elevator (**just for semi automatic elevator doors**)
- **Door Plug Lock System** Prevents movement of the elevator when the floor doors are opened (**just for semi automatic elevator doors**)
- **Emergency Stop** There are one piece emergency stop button on the car and one piece on the board and also two pieces in the pit
- **Limit Switch** Prevents the take a crash of the elevator to ceiling and to bottom floor
- **Overload Protection** It gives an indication when the lift gets over weighted and stops its operation instantly.
- **Motor Overspeed Protector** If speed of the elevator over the identified value it stop the elevator electronically
- **Overspeed Governor** If the speed of the elevator is over the identified value it activates the brake system and it stops the elevator manually
- **Motor Brake** Keeps the elevator constant when the elevator is not working
- **Motor Brake Tracer** Monitors the brake switch to on and off with a dual switch
- **Top Car Folding Buffer** If the top of the car is to be maintained, the folding buffer opens. In this way this prevents the elevator from moving
- **Locking Apparatus For Car Frame** Mount on the rails at the bottom of the well. Collapsible safety part that prevents the elevator from falling to the pit of the well during maintenance
- **Uninterruptible Power Supply (UPS)** Provides battery powered lowering of elevator car in case of a power failure
- **Smart System** Monitors the complete electronic functionality to ensure a safe and a proper elevator operation



## *Reliability of HAS Elevator*



**HAS**  
homelift

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