



**SODIMAS®**

ascenseurs

**Lift**

**Médium**







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### Our know-how

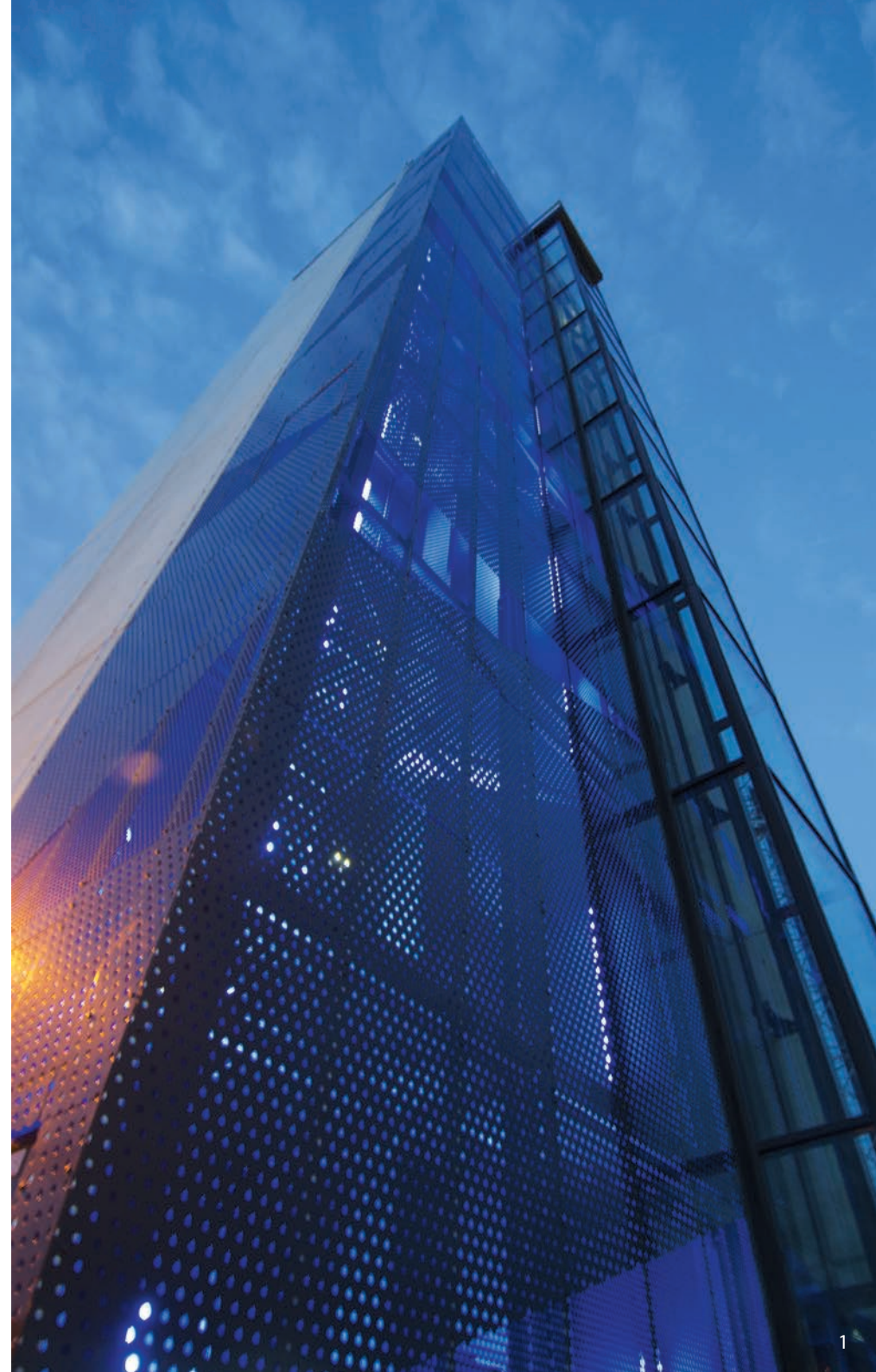
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## SODIMAS in France

### Over 40 years' experience.

SODIMAS is created in 1975. Its first job concentrates on the sale of components, straight away stamping the company mark on the history of this profession by offering the sale of pre-assembled kits to facilitate the installation of lifts.





After this, other major events continued to be thought up and created by SODIMAS, changing, making safe and modernising lifts. This included integration of industrial frequency conversion, the creation of low overhead machine room less and the use of gearless traction machines.

Creation, research and innovation are the lines of development enabling our customers to find the best suited solution they need and in their constraints; from the single part to the entire kit using a full range of solutions to modernise the existing installation.





## SODIMAS worldwide







## Our references

Hotel Gelendzhik - Russia



Lille - France







## Permanent innovation



**1975 Sodimas, creation of the first components' distributor in France.**

**1980 SODIMAS invents the lift in kit-form.**

**1985 1st NG01 electronic controller.**

**1992 Integration of industrial frequency conversion.**

**1997 SODIMAS produces its first generation lift without a machine room.**

**1998 First patented PMD280 dual direction safety gear.**

**2003 Integration of the gearless motor across the whole range.**

**2005 Patented belt replaces cables.**

**2007 Optimisation of pre-wiring with the Quick Install system.**

**2010 Latest generation multiplexer.**

**2011 Position and speed control using SIL3 secure magnetic tape.**

**2012 First single-phase lift.**

**2013 SPEED - unique variable speed eco-energy solution.**

**2014 First 100% solar energy lift.**

**2015 VSpace lift, a concentration of know-how.**



Over 40 years:

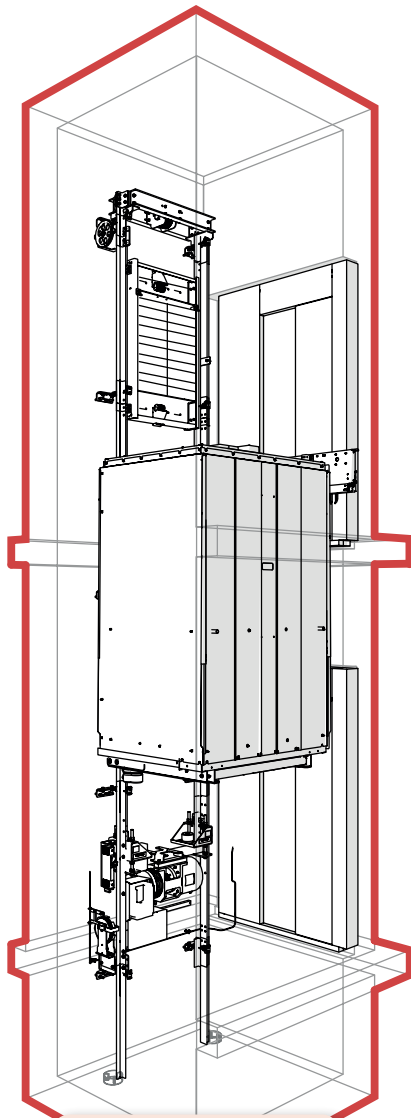
over 30,000 lifts designed  
33 patents registered





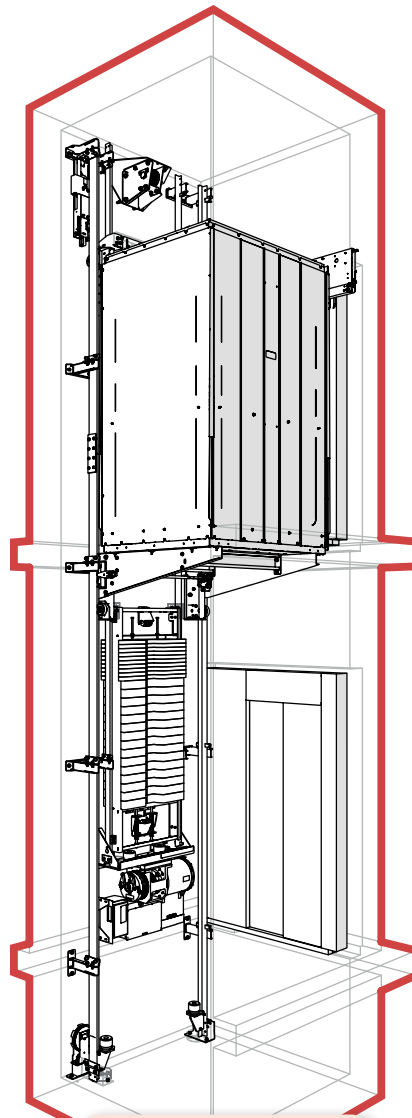


## A full range of lifts adaptable at will



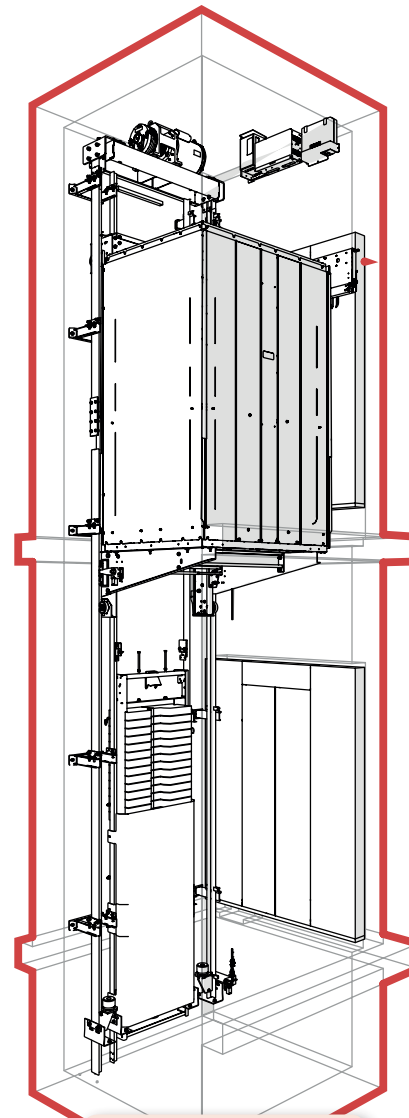
**Small**  
Médium reduced headroom

Homes  
Homelift



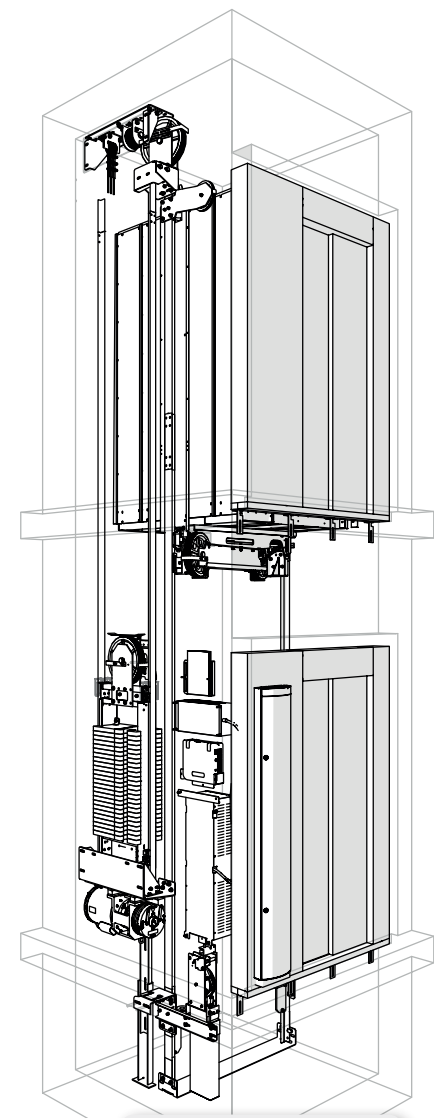
**Médium**  
Machine below

Homes  
Offices with average height  
Businesses



**Médium**  
Machine above

Homes  
Offices with average height  
Businesses



**VMBe**  
Machine below

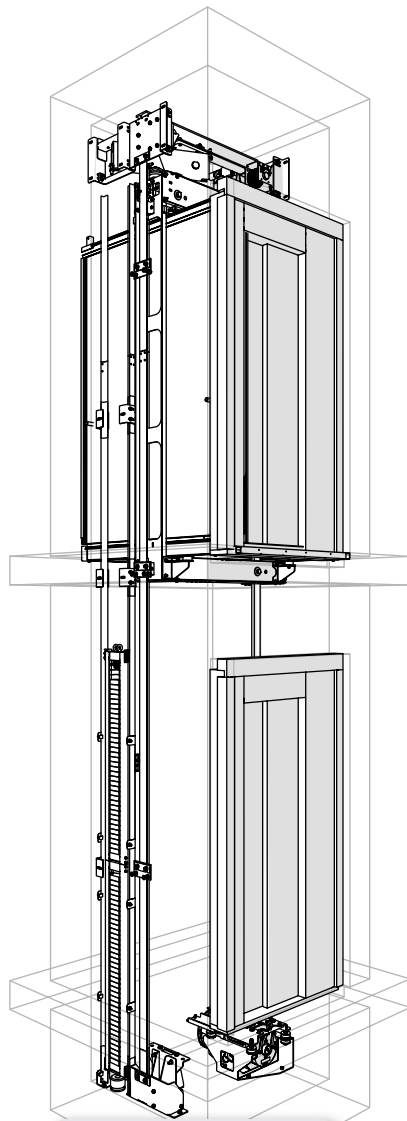
Prestigious buildings  
Offices with high traffic  
Hospitals + panoramic

Without machine room



*The custom-made product  
offer until 50 % of surface  
of car in more*

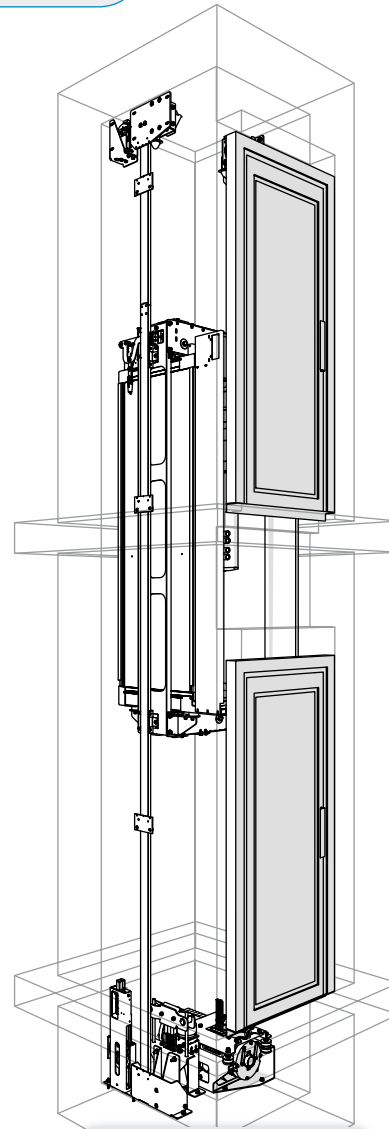
*For your demands of special lifts such as the lifts of load, very  
big load, panoramic, etc.... SODIMAS is at your disposal to  
conduct feasibility studies.*



**VSpace**

With counterweight

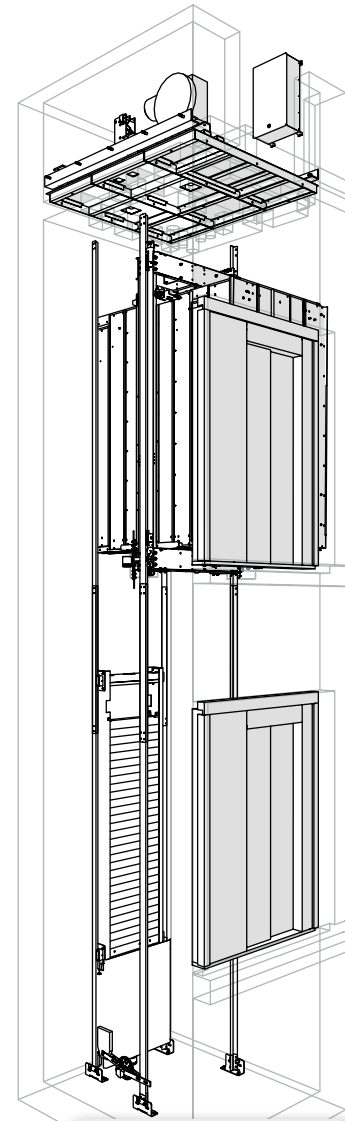
*Homes  
Offices with average height  
Businesses*



**VSpace**

Without counterweight

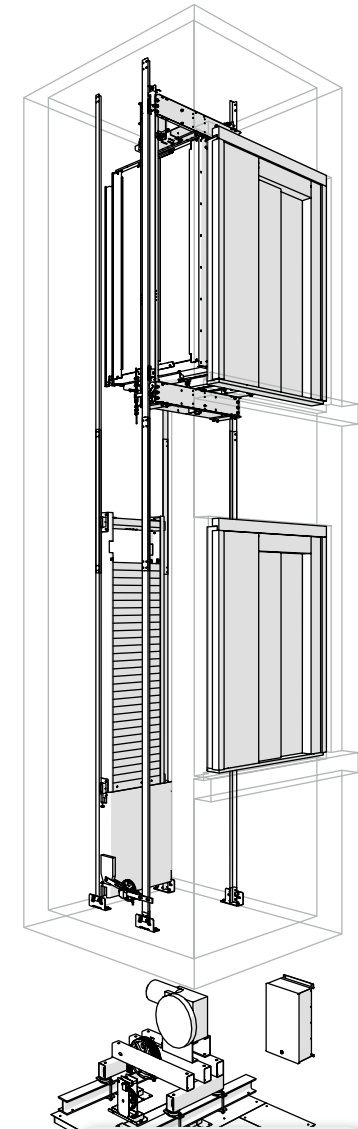
*Homes  
Offices with average height  
Businesses*



**Eesy**

Machine above

*All types of market  
+ panoramic*



**Eesy**

Machine below

*All types of market  
+ panoramic*

**With or without machine room**

**With machine room**



## Eco-design at the heart of our products



*Speed*, invented by SODIMAS, is unique innovative patented technology based on the variable moving speed of the lift car depending on the load carried.

This technology helps to reduce energy consumption very significantly (30%), improves traffic and increases the moving speed.

By limiting the power generated, achieved by adapting the speed according to the load, the *Speed* range operates on a single-phase network for cars up to a 630 Kg payload. This is a major benefit in sizing the installation and connecting it to different renewable energy systems, such as solar energy, for example.

Already intended for operation using renewable energy, *Speed* allows free choice of the energy source used.

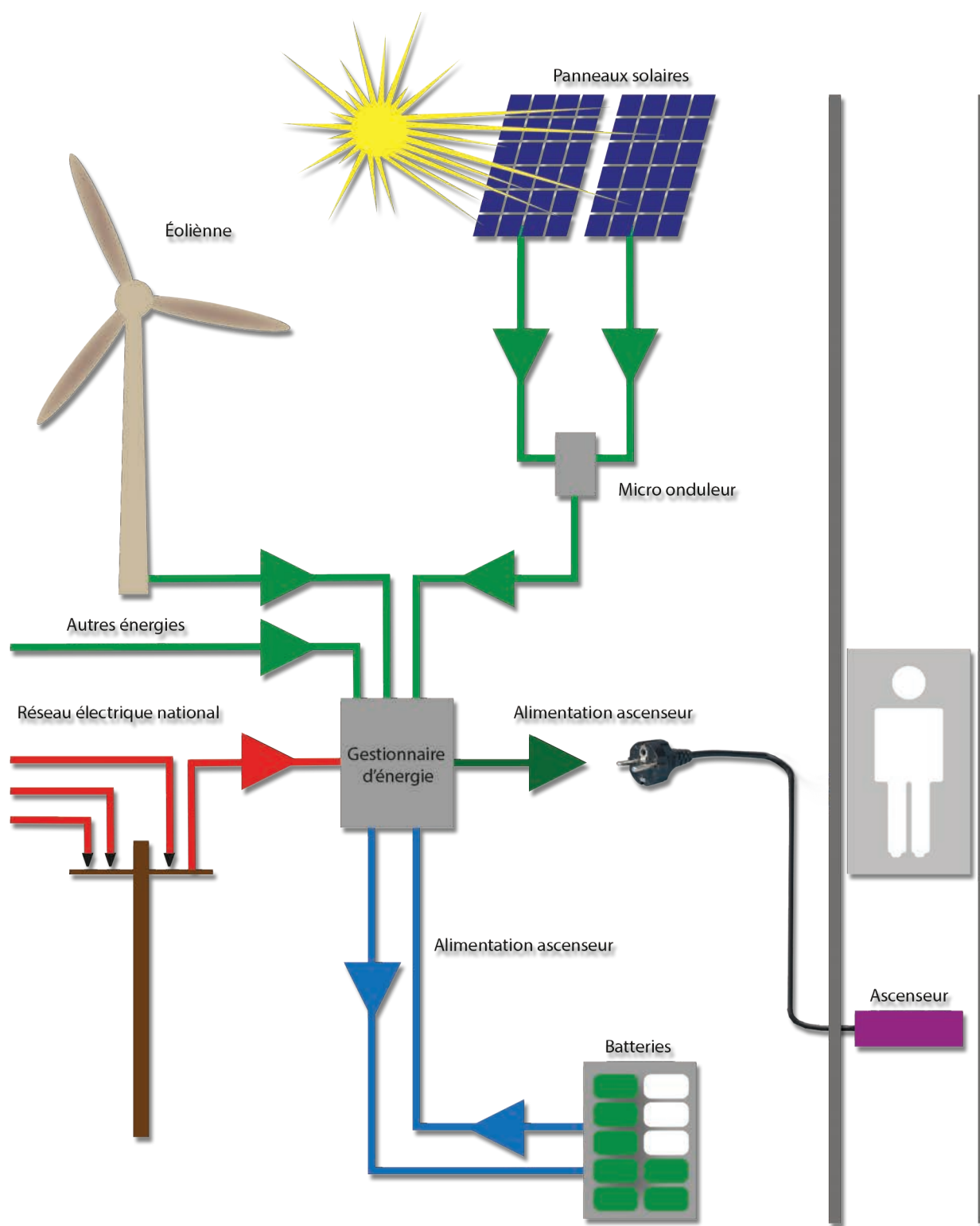
*Speed* is designed for operation on the complete range of SODIMAS devices.

**+30%** energy savings

**+30%** traffic --> speed  $\pm 30\%$ .

**+30%** reaction time --> speed  $\pm 30\%$ .





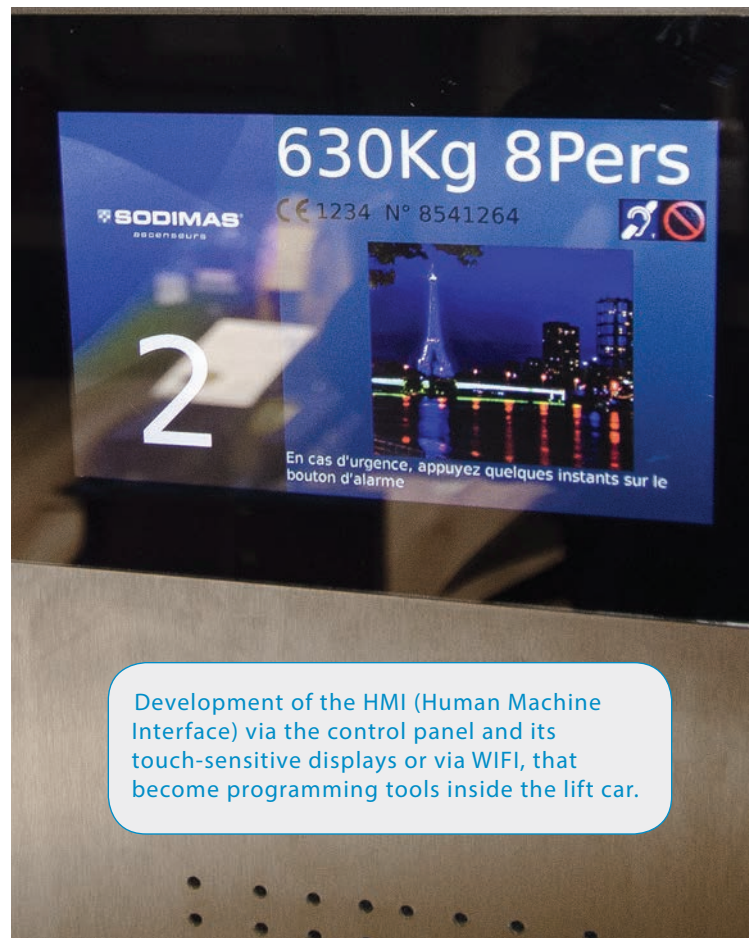


## Signaling

SODIMAS set up a Research and Development department many years ago responsible for designing the most efficient and visual communication in the lift car and on the landings, making use of the lift as easy as possible for the users.

The Bluestyle range has been developed, fitted with the most recent technological innovations, to integrate latest generation colour displays.

Design, modernity and reliability are SODIMAS' fundamental development principles for answering our customers' expectations.









## Aesthetics by SODIMAS



The SODIMAS lift cars are manufactured at our French factories and can be adapted to all architectural styles and projects due to the quality of the materials used and their carefully designed finishing.











## Qltouch architecture

The new **Qltouch** controller is based on the real time operating system, providing access to installation and maintenance tasks via an intuitive computer interface. With the option to connect via 3G or WiFi, configuration and day-to-day operation are simple through the use of a touch screen or web access to perform diagnostics or review alert messages.

Connection of call buttons, display units and other peripherals is also simplified. The

Qltouch is the ideal product for either a complete lift solution or a modernisation project. With its multilingual interfaces, this new controller is intended for the international market.







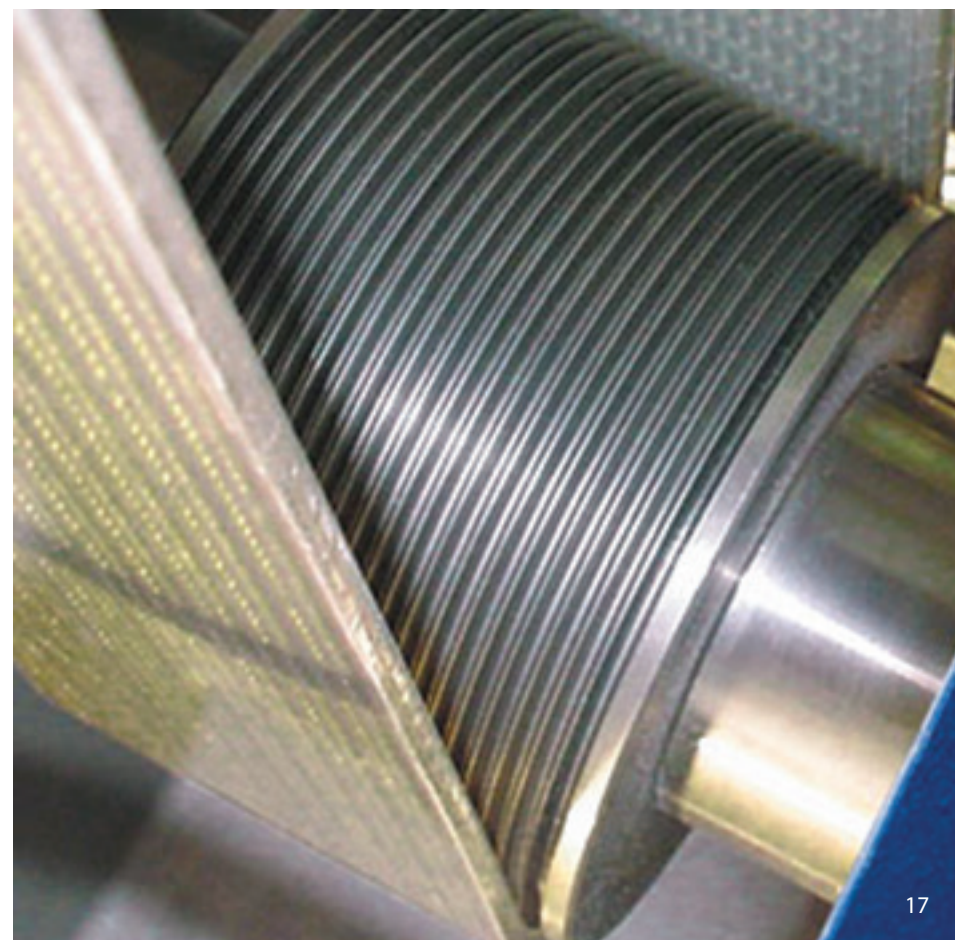
## Motor

### Latest generation motor

developed and manufactured specially for Sodimas, in collaboration with the world leader who supplies all the machines from our machine room less lifts range.

The Médium, VM and Vspace devices are equipped with Gearless machine that operates without oil and whose acoustic performance is recognized as being the best on the market.

The concept developed by Sodimas on machine room less products, such as the VM, is based on the separation of the traction (closed loop belt) and the suspension of the lift car using cables. This concept is particularly well suited to this type of machine.







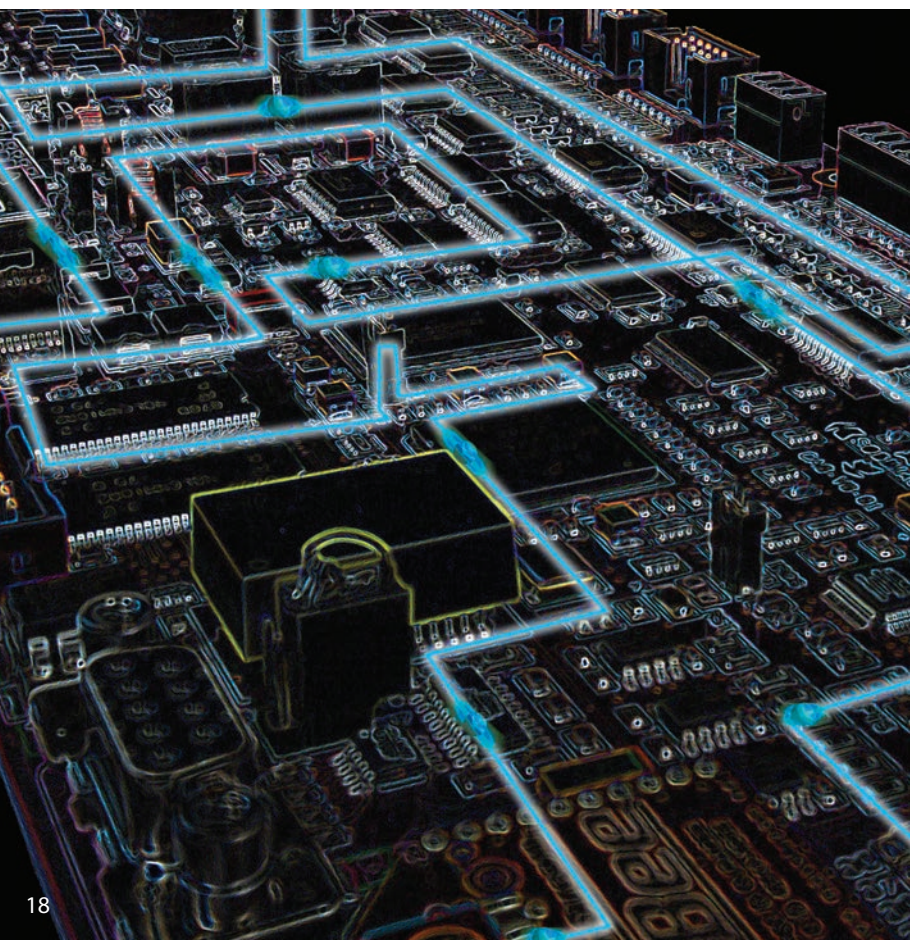
## SOLIMAX: travel made safe

SODIMAS has not stopped innovating every since the company was created, seeking to improve the safety of its products and facilitate their installation and maintenance.

SODIMAS has produced another innovation with its new SoLIMAX sensor that enables accurate and secure data to be provided on lift car speeds and positions.

With the SoLIMAX solution, certified by the TÜV, the SIL3 secure position sensor enables the following functions to be integrated and controlled independently:

- the position of the extreme limits of travel, inspection, control of deceleration
- the creep area defined in amendment A3
- the levelling and early opening zone
- the speed and overspeed control
- the absolute position of the car to an accuracy of 2mm
- the safeguard position after a power cut.





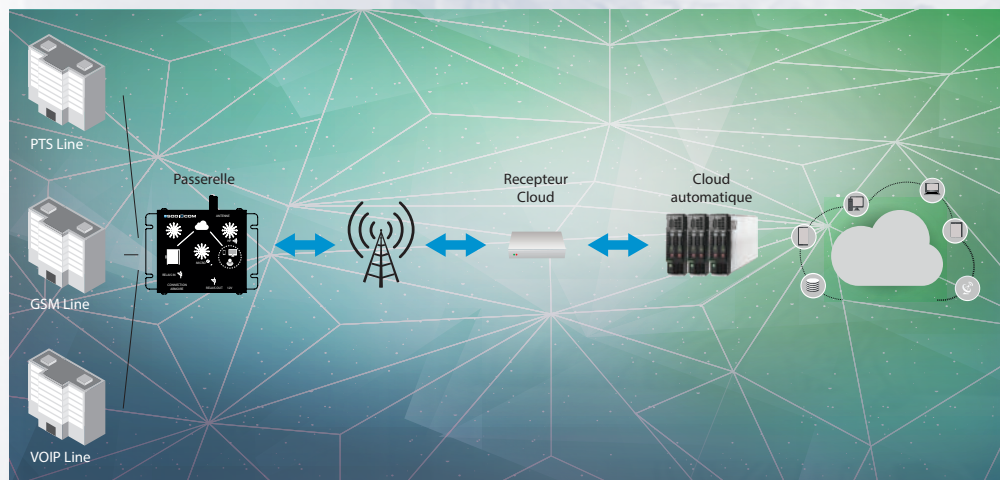


## Sodi@com technology

Dedicated to the smart lift, the **Sodi@com** technology offers maintenance personnel PC, tablet or smartphone access via the cloud using the unit's telephone line. Easy to use and compatible with all existing lift types, it provides functions including calling, destination floor programming, privatisation of selected levels or removal of remote access permissions from an off-site location.

Analysing data in real time to anticipate outages, performing diagnostics, collecting statistics, minimise out-of-order time or alerting a maintenance provider with a single click is now a reality.

In the future, **Sodi@com** digital intelligence will offer functions adaptable to specific client and user requirements.





## Users under 24-hour protection

Total compliance with the latest standard, EN 81-28, our lifts are on-line 24 hours a day using autonomous and secure technology.

**Hands-free triphone remote alarm**



**In-car audio microphone + speaker unit module**



**GSM module to replace a wired telephone line (Pstn)**



**Acoustic loop amplifier with roof antenna**



Two-way communication, optional GSM modules, compatible call units, easy-install inductive loop audio modules and amplifiers, the SODIMAS remote alarm meets all the regulatory and standard requirements.





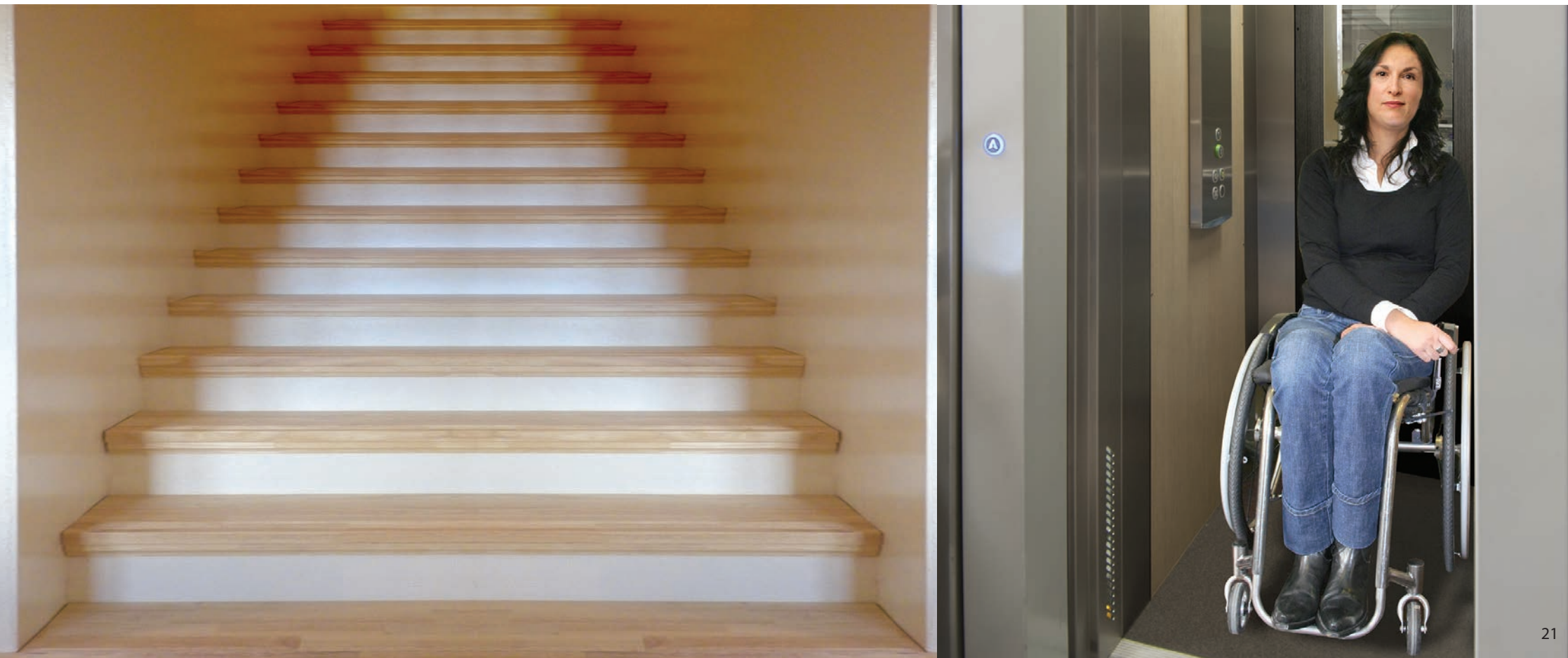


## Accessibility

Today, 20% of the population are over 60 years and this proportion will reach 30% in 2030.

Accessibility will be soon at the heart of the concerns for citizens (mobility, independence assistance for the frail elderly, fight against dependency, etc.).

The lift is a tool for accessibility to the elderly and people with reduced mobility; so plan and prepare right now for our future with **VSpace!**



# Médium





## Lift Médium

Médium is the ideal solution for the housing market and for medium-height office and business buildings.

A lift without machine room that combines simple installation, high quality and safety of operation.





The background of the entire image is a detailed architectural floor plan. It features a grid system with various colored lines (red, blue, green, purple) indicating different zones or paths. There are several circular callouts, some in green and some in blue, with letters like 'P' and 'E' inside them. Dimensions and other technical annotations are scattered throughout the drawing. A grey banner with the word 'Flexibility' is positioned in the upper left. On the right side, there is a 3D rendering of a white metal frame structure, possibly a window or door frame, showing its internal bracing and adjustment mechanisms.

## Flexibility

The flexibility provided by its single bearing wall offers architects great ease of integration.





## Our ambitions

# Médium

- Proposing a simple solution, suitable for the development and replacement market in new and existing buildings.
- Creating a line of intuitive products that are easy to install and easy to operate.
- Offering functional interior designs of cars in a range of aesthetic options that meet the needs of the targeted markets. The main themes offered in this line are Univers, Lineha, Série 40, Square, Vendome and Inox.

### Design

- Based on a mechanical configuration similar to that of hydraulic lifts, its installation requires a single bearing wall.
- This design is characterised by a simplified interface system in combination with a high-performance assembly method, enabling fast commissioning to the benefit of installers and users alike.

This line of machine-roomless lifts is offered in 3 models:

Medium 1, low-level machinery for very small shafts, suitable for short travel distances in existing buildings.

Medium 2, low-level machinery, suitable for standard shafts on the market of new and existing buildings.

Medium 3, high-level machinery, suitable for standard shafts on the market of new and existing buildings.



- Traction and suspension are provided by a flat belt made of polyurethane. Installed at each end, the traction motor and idler pulley form a closed loop connecting the car and the counterweight on each side.

The lift is outfitted with a gearless motor that requires no added oil or grease and no special maintenance, offering optimised efficiency and improved car comfort. Controlled by a variable speed drive, the product line offers energy savings of almost 50% compared to equivalent conventional systems. Most importantly, it is outfitted with an open technology controller, so that its maintenance can be performed by any maintenance company in this line of business.

This energy-efficient product line provides many innovative features that further reduce energy consumption.

This includes automatic switching of the landing signalling and car lighting systems into standby mode when the lift is idle or stopped, switching certain controller functions into standby mode and many other features. These functions restart immediately.

The entire product line is:

- Compliant with the Lifts Directive 2014/33/EU
- Compliant with the new harmonised standards EN 81-20 & EN 81-50
- Certified by the APAVE certification body.



## Car operating panel



As a basis, the Medium 3 model offers a line of dedicated car and landing control panels. Of a simpler and optimised design, these panels can integrate the signalling directly in the control boxes.

Offering a fully modular design and a clean style, the landing doors are delivered at the site in disassembled form, outfitted with small posts to which standalone components can be added for easy adaptation to large façades.



## Our ecological approach



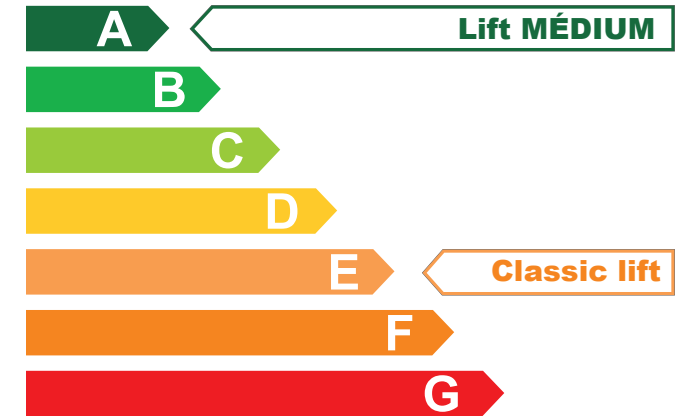


The SODIMAS products, in particular Medium 2, have achieved the highest rankings in terms of energy savings (according to the German standards on which the VDI 4707 classification was based).

These rankings take into account various criteria, such as payload, speed, frequency of use, etc. to assess the energy efficiency of lifts.

The Medium 2 lift belongs to Class A, which reflects its very low energy consumption.

Another study carried out at Grenoble and concerning new High Environmental Quality (HQE) buildings, has confirmed the outstanding energy performance of SODIMAS devices:

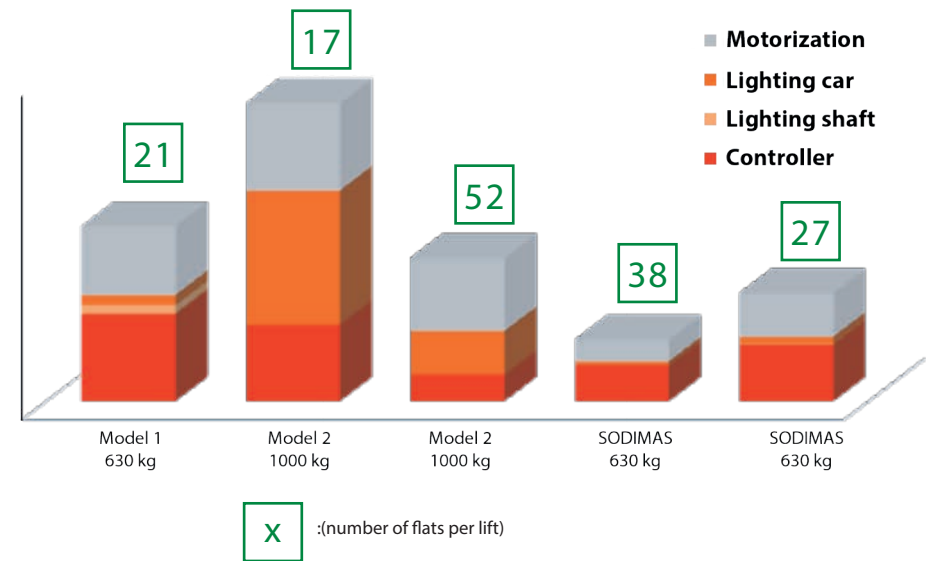


Ranking according to the VDI 4707 classification

It should be noted [...] that the two lifts with the lowest consumption carry the SODIMAS brand. This [...] company, headquartered at Pont d'Isère in the Drome region, is not among the four industry "heavyweights". Nevertheless, it was able to develop original technologies (replacement of speed-reduction gears by rope and pulley systems), which are also probably more efficient.

Energy consumption (kW/h / year / flat)

Energy consumption of lifts per flat



Source: ENERTECH cabinet, Report of campaign of measure, URBAN DEVELOPMENT ZONE, ZAC de Bonne, of the project SESAC. SESAC is a CONCERTO project, an initiative of the European Commission for the renewable solutions of energy.

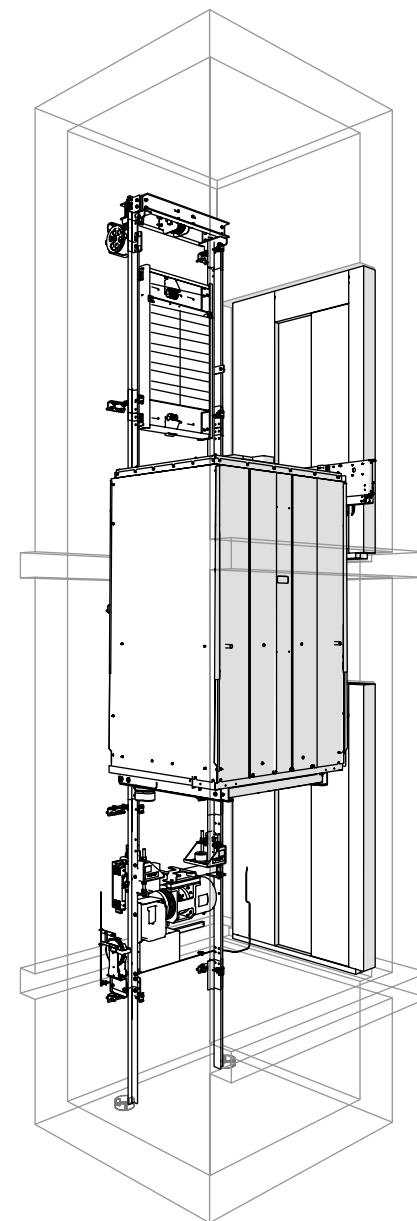
## Lift car features and dimensions SMALL

Lift intended for low clearances in existing buildings. The only product in the Medium line that can be integrated in this type of configuration. Compliant with Standard EN81-21, it fully meets all health and safety requirements (Lift directive 2014/33/UE speed = 0,50 m/s and machines directive 2006/42/CE speed = 0,15 m/s).

|                           |   |
|---------------------------|---|
| Rated load                | From 225 to 450 Kg                                |
| Number of passengers      | 3 - 6   |
| Rated speed               | 0,15 m/s - 0,50 m/s                               |
| Maximum travel            | 15 meters   |
| Maximum number of stops   | 7   |
| Power                     | 2,5 kW  |
| Suspension                | 1/1   |
| Power supply              | Single phase 230 V                                |
| Position of the machinery | Low level   |
| Minimum height headroom   | 2 500 mm  |
| Minimum pit depth         | 350 mm  |
| Landing doors             | Automatic   |
| Clearance height          | 2 000 mm  |
| Clearance                 | 700 or 800 mm                                     |
| Number of service sides   | Simple or double access                           |
| Door finishing            | Primer paint applied/not applied, stainless steel |
| Control system            | Qltouch controller                                |
| Number of start / hour    | 120   |

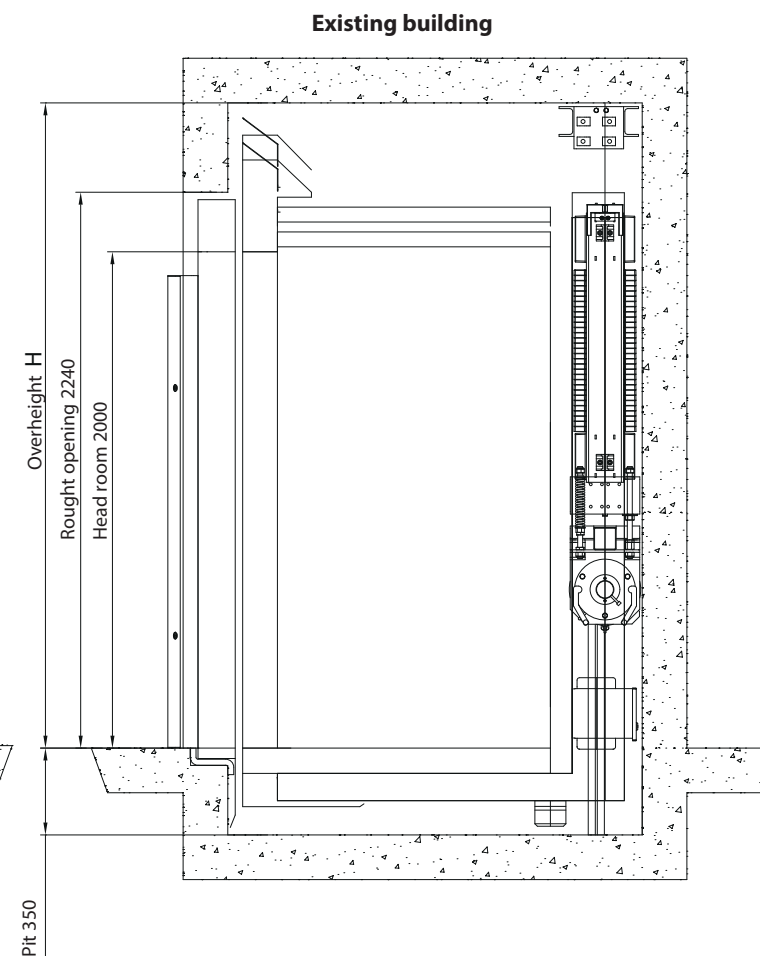
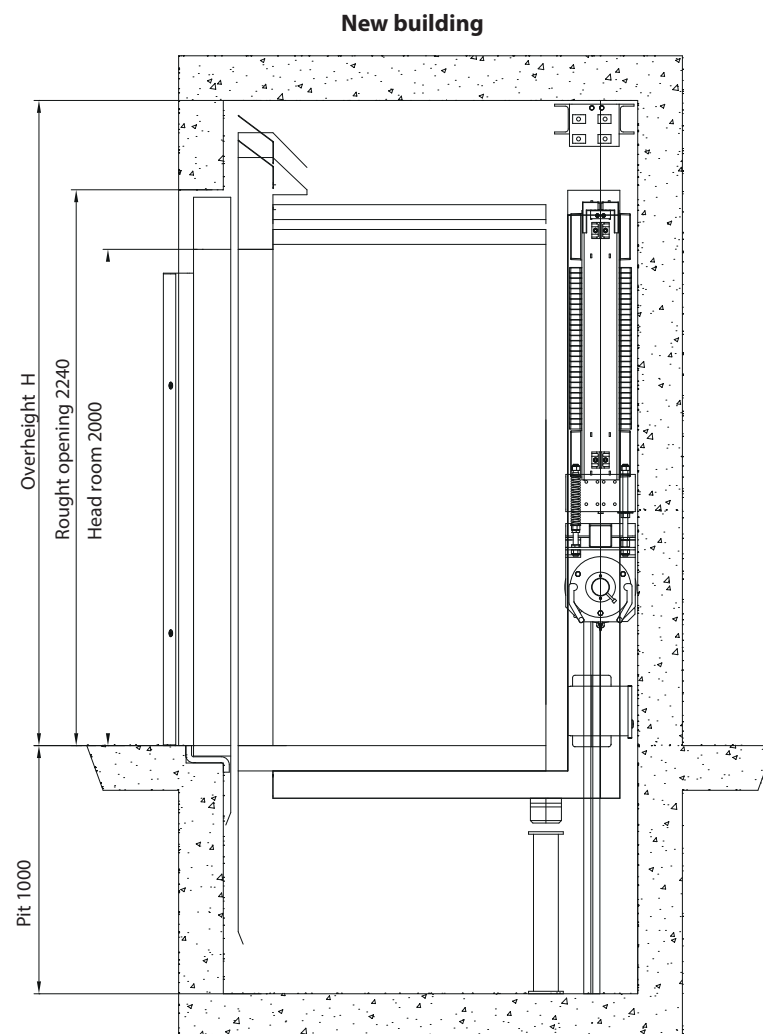
\* with 2 PTO, 2 600 mm avec 3 PTO.

\* PTO Panel Telescopic Opening



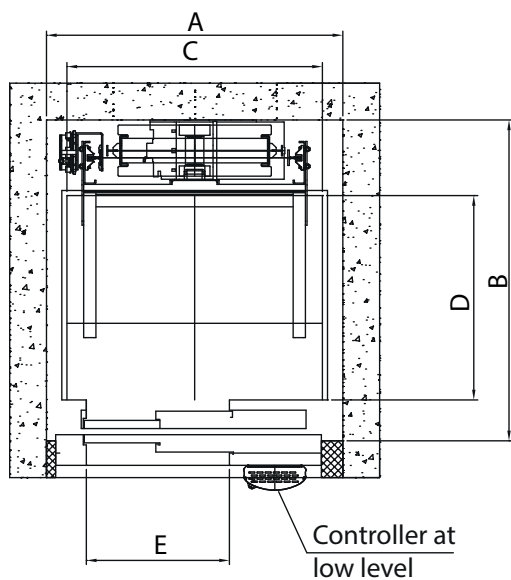


## Lift car features and dimensions SMALL

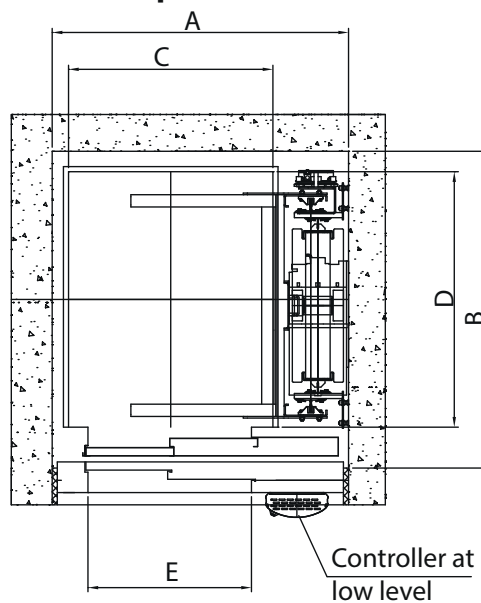


## Lift car features and dimensions SMALL

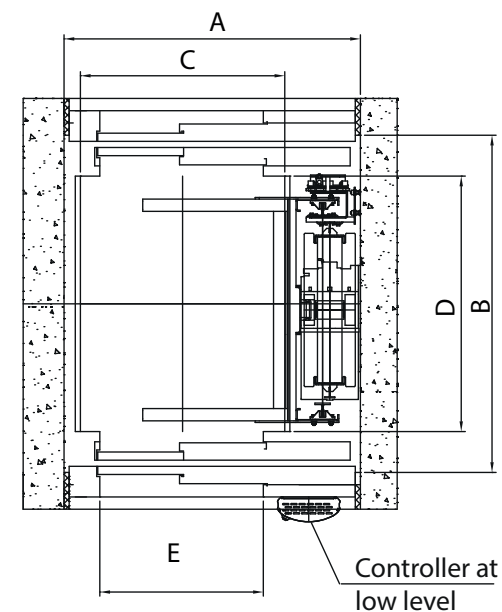
**Simple access**



**Simple access**



**Double access**



| Rated load           |   | 225 kg | 300 kg | 300 kg | 450 kg |
|----------------------|---|--------|--------|--------|--------|
| Number of panels     |   | 3      | 3      | 2      | 2      |
| Number of passengers |   | 3      | 4      | 4      | 6      |
| Shaft                | A | 1150   | 1150   | 1350   | 1450   |
|                      | B | 1270   | 1570   | 1570   | 1570   |
| Car                  | C | 900    | 900    | 900    | 1250   |
|                      | D | 700    | 1000   | 1000   | 1000   |
| CO                   | E | 700    | 700    | 700    | 800    |

| Rated load           |   | 225 kg | 300 kg | 450 kg |
|----------------------|---|--------|--------|--------|
| Number of panels     |   | 3      | 3/2    | 2      |
| Number of passengers |   | 3      | 4      | 6      |
| Shaft                | A | 1215   | 1350   | 1450   |
|                      | B | 1230   | 1300   | 1530   |
| Car                  | C | 700    | 900    | 1000   |
|                      | D | 900    | 1000   | 1250   |
| CO                   | E | 700    | 700    | 800    |

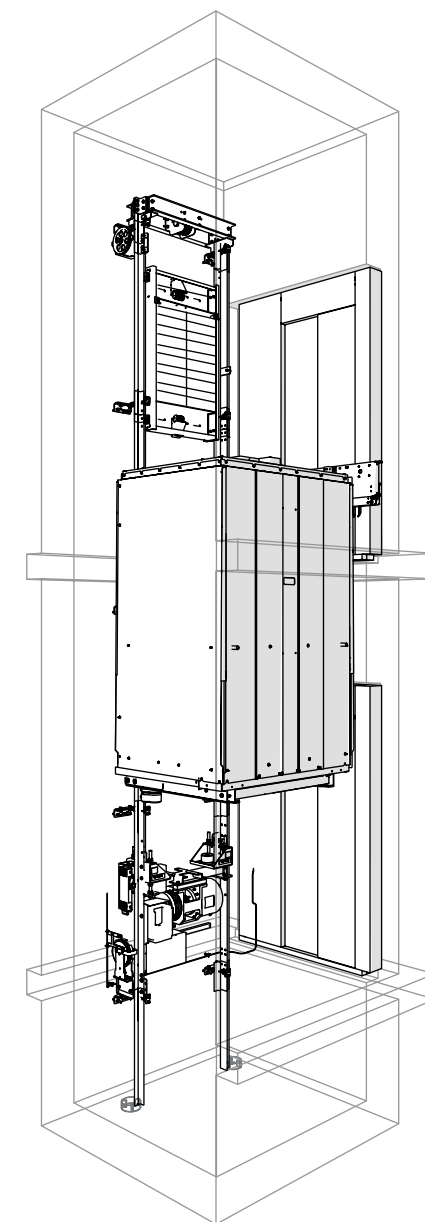
| Rated load           |   | 300 kg | 450 kg |
|----------------------|---|--------|--------|
| Number of panels     |   | 3/2    | 2      |
| Number of passengers |   | 4      | 6      |
| Shaft                | A | 1350   | 1450   |
|                      | B | 1400   | 1650   |
| Car                  | C | 900    | 1000   |
|                      | D | 1000   | 1250   |
| CO                   | E | 700    | 800    |



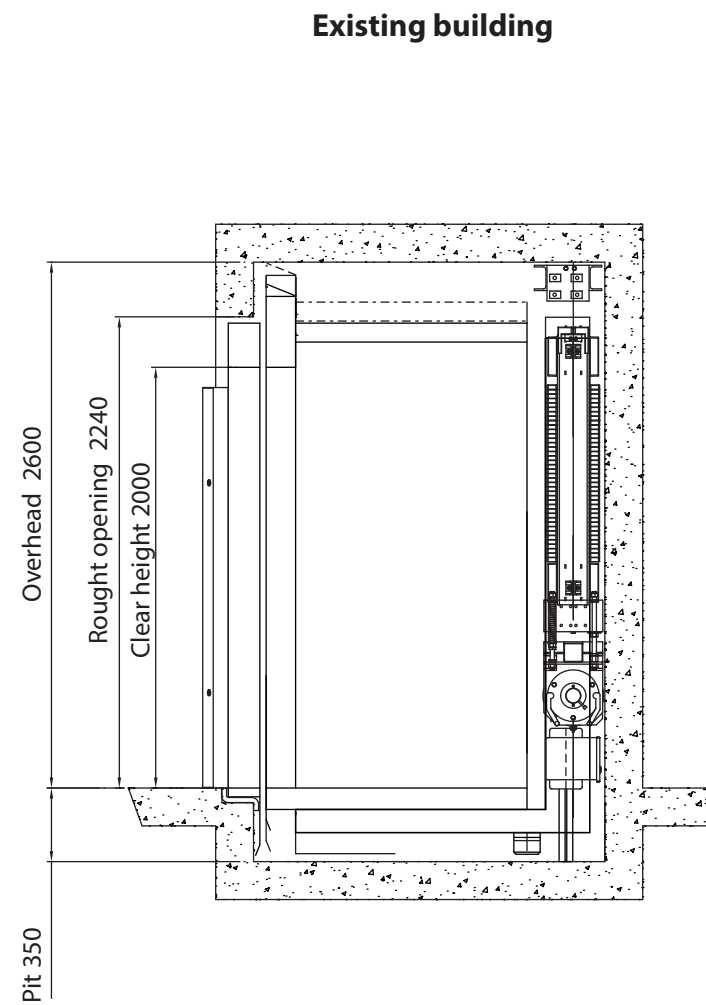
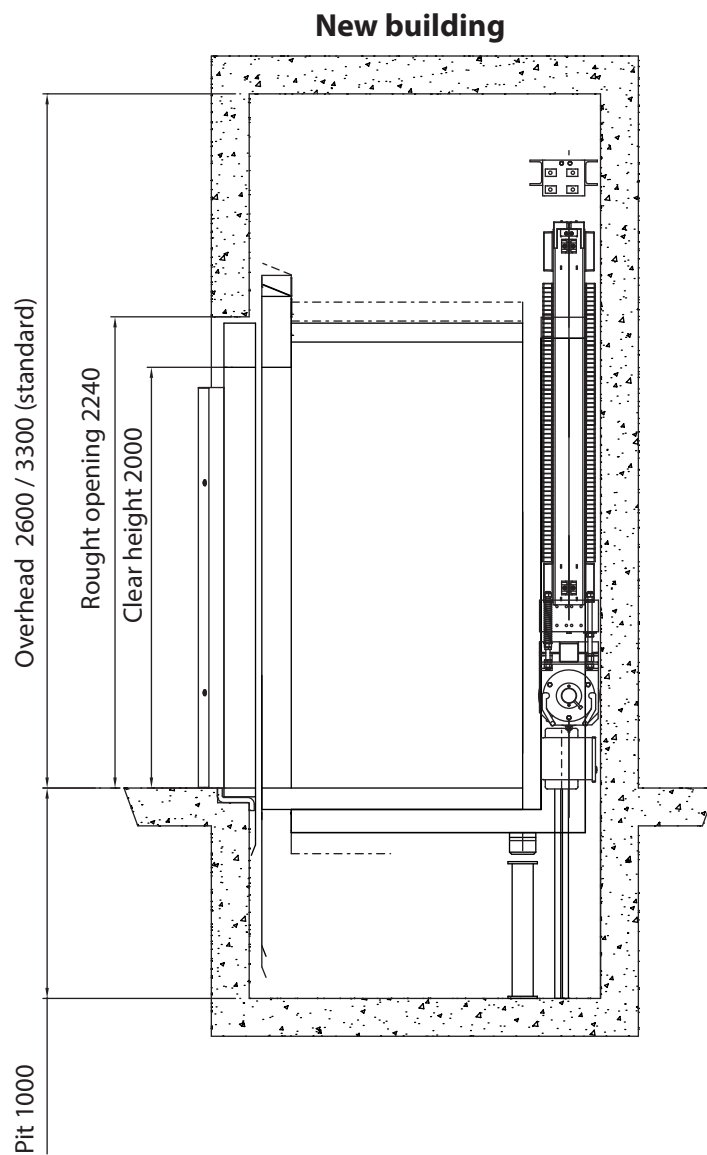
## Lift car features and dimensions MÉDIUM 1

Lift intended for low clearances in existing buildings. The only product in the Medium line that can be integrated in this type of configuration. Compliant with Standard EN81-21, it fully meets all health and safety requirements.

|                           |   |
|---------------------------|---|
| Rated load                | From 450 to 630 Kg                                |
| Number of passengers      | 6 - 8   |
| Rated speed               | 0,60 m/s  |
| Maximum travel            | 9 meters  |
| Maximum number of stops   | 4   |
| Power                     | 3 kW  |
| Suspension                | 1/1   |
| Power supply              | Three-phase 400 V                                 |
| Position of the machinery | Low level   |
| Minimum height headroom   | 2 600 mm  |
| Minimum pit depth         | 350 mm  |
| Landing doors             | Automatic   |
| Clearance height          | 2 000 mm  |
| Clearance                 | 800 or 900 mm                                     |
| Number of service sides   | Simple or double access                           |
| Door finishing            | Primer paint applied/not applied, stainless steel |
| Control system            | QItouch controller                                |
| Number of start / hour    | 120   |



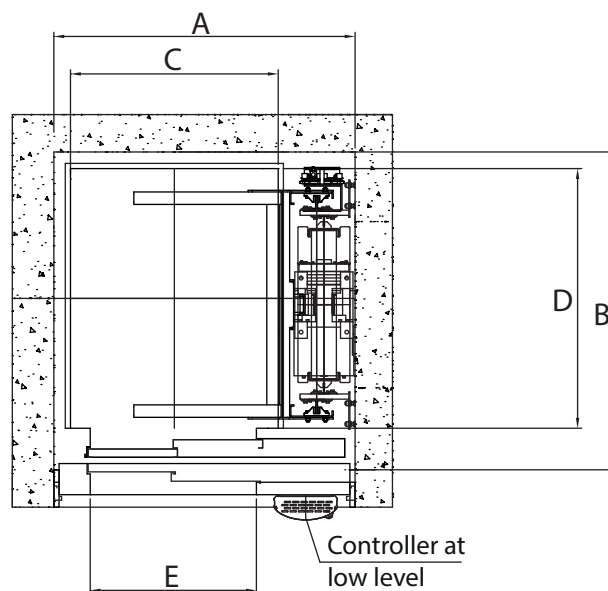
## Lift car features and dimensions MEDIUM 1



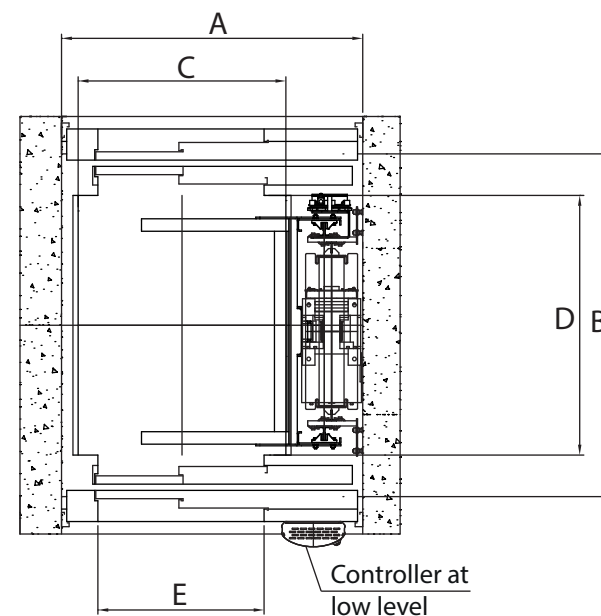




## Lift car features and dimensions MÉDIUM 1



**Simple access**



**Double access**



| Rated load           |   | 450 kg   | 630 kg  |
|----------------------|---|--|---|
| Number of passengers |   | 6  | 8  |
| Shaft                | A | 1500   | 1600  |
|                      | B | 1550   | 1700  |
| Car                  | C | 1000   | 1100  |
|                      | D | 1250   | 1400  |
| CO                   | E | 800  | 800/900   |

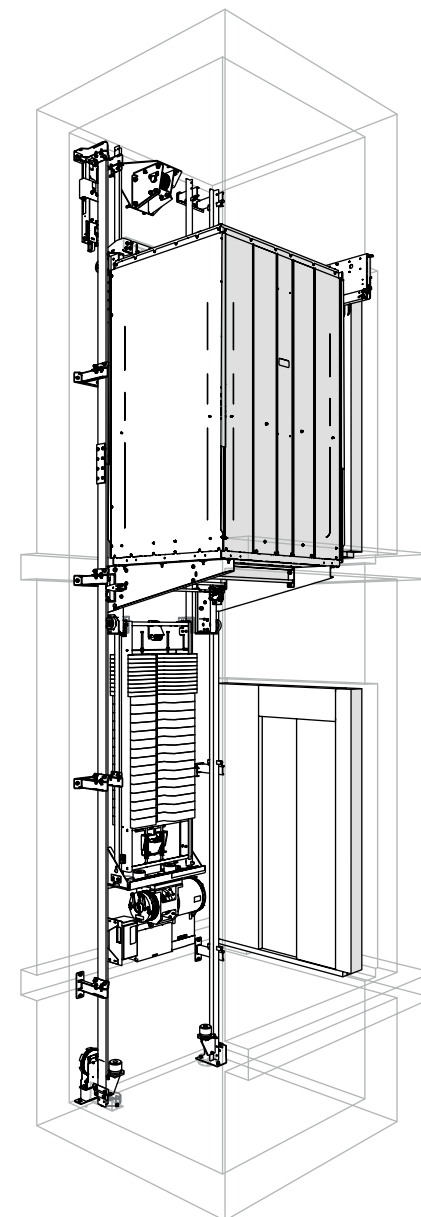
| Rated load           |   | 450 kg  | 630 kg  |
|----------------------|---|---|---|
| Number of passengers |   | 6  | 8  |
| Shaft                | A | 1500  | 1600  |
|                      | B | 1650  | 1800  |
| Car                  | C | 1000  | 1100  |
|                      | D | 1250  | 1400  |
| CO                   | E | 800   | 800/900   |

## Lift car features and dimensions MEDIUM 2

This lift is particularly well suited for standard shafts, where the top level cannot integrate the machinery.

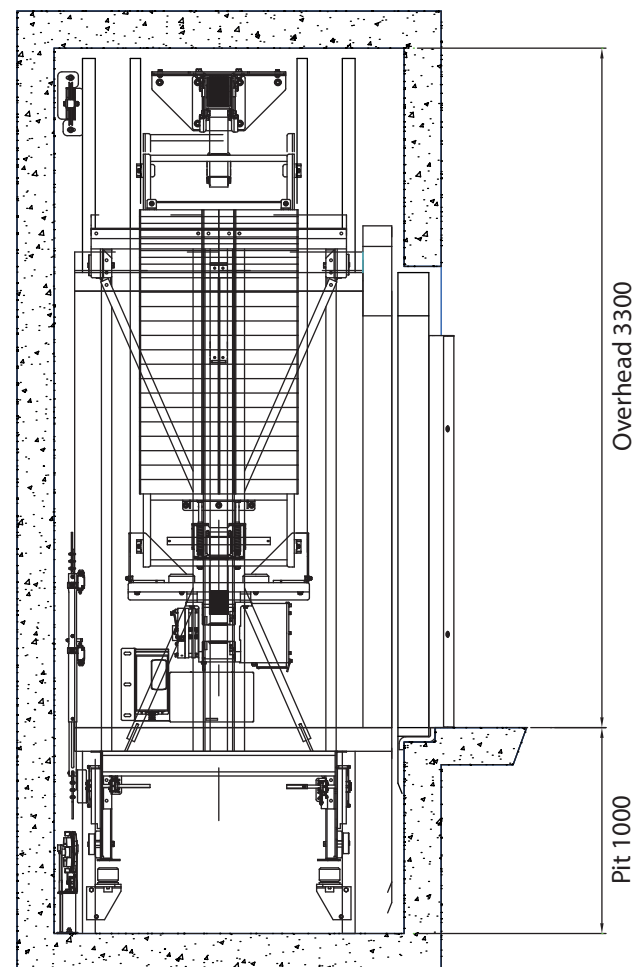
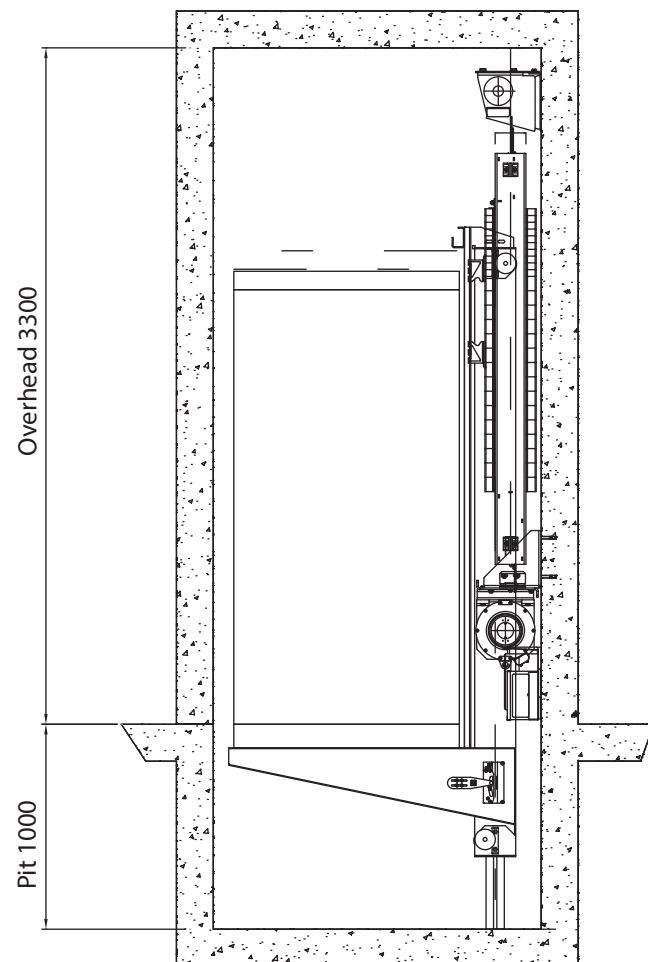
Thus, its location at the lowest level of the shaft enables safe maintenance by the qualified personnel and facilitates servicing. This simplifies the design of the power supply and telephone lines. The machinery is protected against pit flooding.

|                           |   |
|---------------------------|---|
| Rated load                | From 450 to 630 Kg                                |
| Number of passengers      | 6 - 8   |
| Rated speed               | 1 m/s   |
| Maximum travel            | 18 meters   |
| Maximum number of stops   | 7   |
| Power                     | 3 or 4 kW   |
| Suspension                | 1/1   |
| Power supply              | Three-phase 400 V                                 |
| Position of the machinery | Low level   |
| Minimum height headroom   | 3 300 mm  |
| Minimum pit depth         | 1 000 mm  |
| Landing doors             | Automatic   |
| Clearance height          | 2 000 mm / 2 100 mm                               |
| Clearance                 | 800 or 900 mm                                     |
| Number of service sides   | Simple or double access                           |
| Door finishing            | Primer paint applied/not applied, stainless steel |
| Control system            | QItouch controller                                |



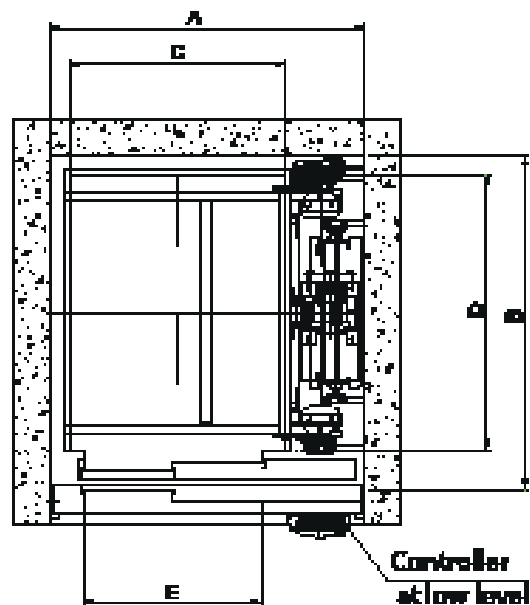


## Lift car features and dimensions MÉDIUM 2

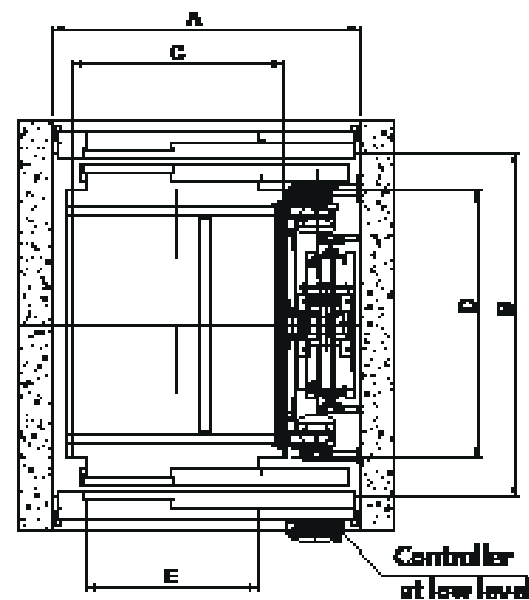


## Lift car features and dimensions MÉDIUM 2

**Simple access**



**Double access**



| Rated load           |   | 450 kg | 630 kg  |
|----------------------|---|--------|---------|
| Number of passengers |   | 6      | 8       |
| Shaft                | A | 1500   | 1600    |
|                      | B | 1550   | 1700    |
| Car                  | C | 1000   | 1100    |
|                      | D | 1250   | 1400    |
| CO                   | E | 800    | 800/900 |

| Rated load           |   | 450 kg | 630 kg  |
|----------------------|---|--------|---------|
| Number of passengers |   | 6      | 8       |
| Shaft                | A | 1500   | 1600    |
|                      | B | 1650   | 1800    |
| Car                  | C | 1000   | 1100    |
|                      | D | 1250   | 1400    |
| CO                   | E | 800    | 800/900 |



## Lift car features and dimensions MÉDIUM 3

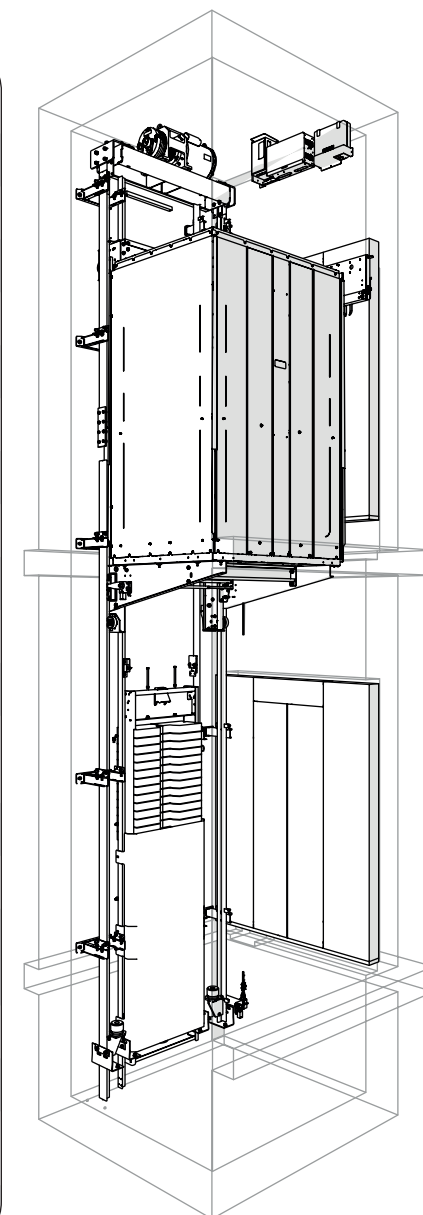
This lift is suited for standard shafts, where the top shaft level allows integrating the machinery. For this configuration, Medium 3 offers the benefits of a simplified design that relies on optimisation and reduction of shaft equipment. Like all new products, it also uses dedicated assembly tools and methods, which are developed as early as the product design.

In contrast to Medium 1 and Medium 2, the traction belt forms an open loop that connects the motor, the car and the counterweight on each side, creating a traditional configuration.

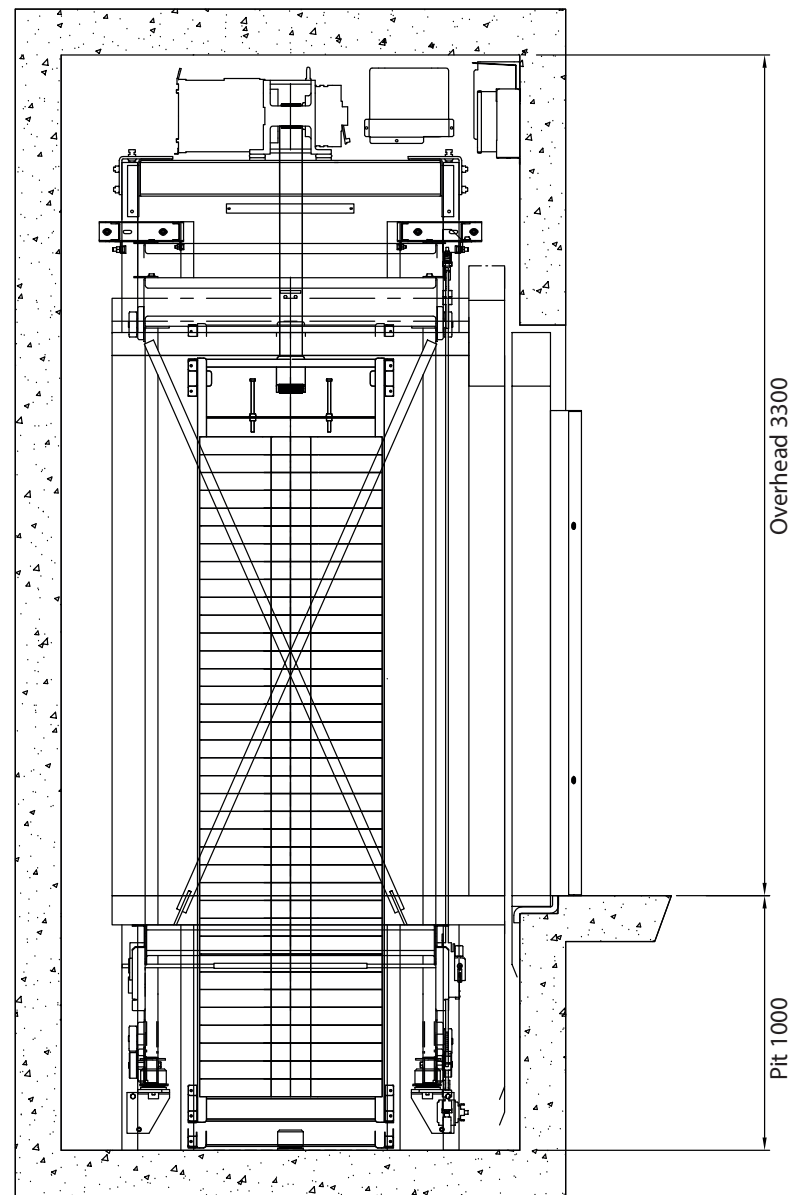
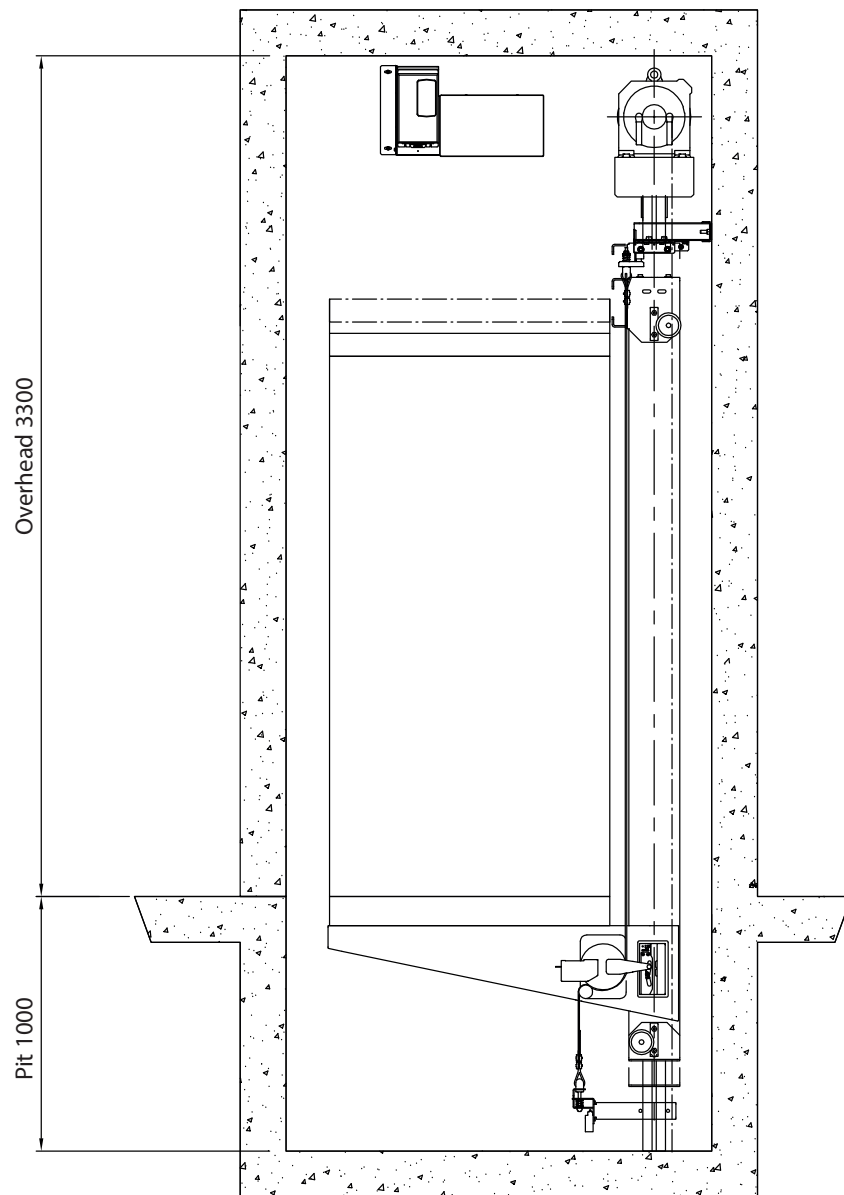
The motor is insulated and placed at the ends of the car guides, providing control and ensuring a low noise level of the entire equipment assembly. Since it does not have a belt tensioner and the overspeed governor is inbuilt into the car, the installation time is short and maintenance has been simplified.

Médium 3, a 20 % gain at the time of assembly.

|                           |   |
|---------------------------|---|
| Rated load                | From 450 to 630 Kg                                    |
| Number of passengers      | 6 - 8   |
| Rated speed               | 1 m/s   |
| Maximum travel            | 28 meters   |
| Maximum number of stops   | 11  |
| Power                     | 3 or 4 kW   |
| Suspension                | 1/1   |
| Power supply              | Three-phase 400 V                                     |
| Position of the machinery | Top level   |
| Minimum height headroom   | 3 300 mm  |
| Minimum pit depth         | 1 000 mm  |
| Landing doors             | Automatic   |
| Clearance height          | 2 000 mm / 2 100 mm                                   |
| Clearance                 | 800 or 900 mm   |
| Number of service sides   | Simple or double access                               |
| Door finishing            | Primer paint applied/not applied, stainless steel     |
| Governor                  | On board  |
| Control system            | QItouch controller                                    |
| Doors                     | Small door upright + extension panel 300 mm in option |



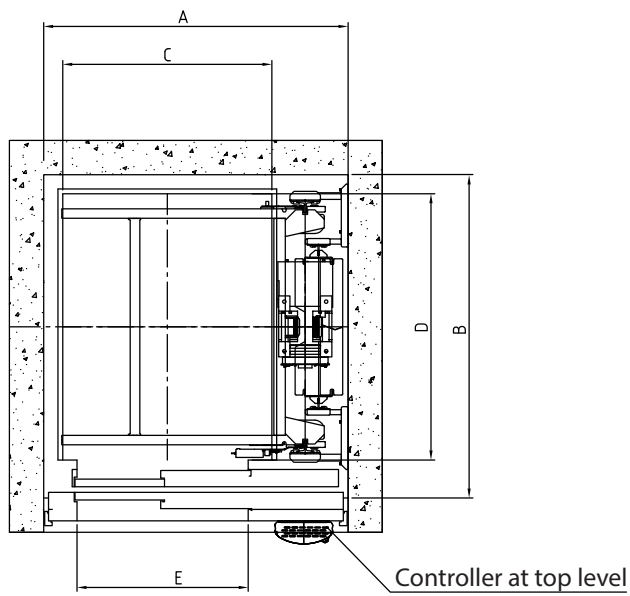
## Lift car features and dimensions MÉDIUM 3



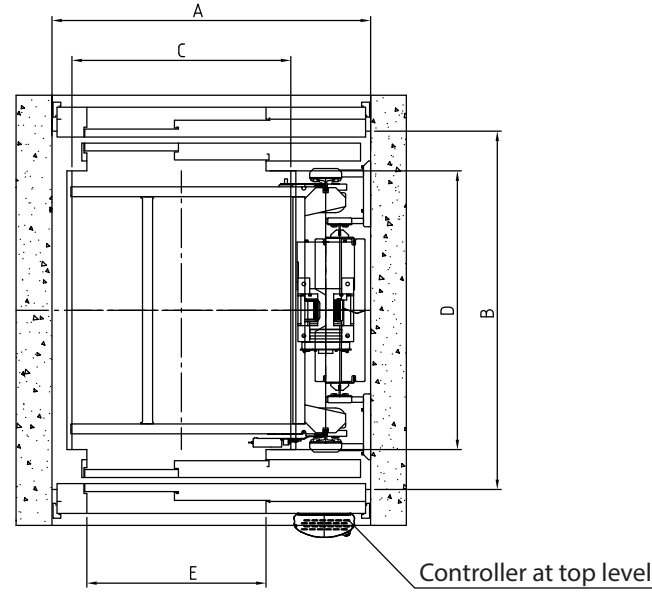


Lift car features and dimensions MÉDIUM 3

Simple access



Double access



| Rated load           |   | 450 kg | 630 kg  |
|----------------------|---|--------|---------|
| Number of passengers |   | 6      | 8       |
| Shaft                | A | 1500   | 1600    |
|                      | B | 1550   | 1700    |
| Car                  | C | 1000   | 1100    |
|                      | D | 1250   | 1400    |
| CO                   | E | 800    | 800/900 |

| Rated load           |   | 450 kg | 630 kg  |
|----------------------|---|--------|---------|
| Number of passengers |   | 6      | 8       |
| Shaft                | A | 1500   | 1600    |
|                      | B | 1650   | 1800    |
| Car                  | C | 1000   | 1100    |
|                      | D | 1250   | 1400    |
| CO                   | E | 800    | 800/900 |

## Notes Médium

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