You want to have it all? It’s time to reach the TOP

The Silens Pro Top® is a machine-roomless lift with a state-of-the-art gearless drive system, designed and built to resolve all kinds of vertical transport needs in residential buildings, offices, hotels, commercial premises or anywhere else with normal to heavy passenger traffic.

Conceived by and for lift professionals and focused squarely on passenger needs, the Silens Pro Top® guarantees you the very best specifications available on the market:

01
It does not require a machine room and it can be installed in awkwardly-dimensional shafts, taking maximum advantage of the space available.

02
It guarantees passengers a ride that is safe, silent, comfortable and trouble-free.

03
Once installed, the Silens Pro Top® gives lift professionals a quieter life than ever before because it requires significantly less maintenance, due to its efficient design and outstanding reliability.

04
Thanks to its gearless drive system and its original eco-friendly design, it is highly energy-efficient.

The Silens Pro Top® is driven by a powerful state-of-the-art gearless motor, which is compact, efficient, silent and environmentally-friendly.

Gearless motors require no lubrication, are exceptionally durable and their energy consumption is up to 50% less than conventional machines.

With all the quality and peace of mind associated with IMEM Lifts, a European pioneer in the design and manufacture of gearless lifts that do not need a machine room.
Thousands of **Silens Pro Top®** lifts installed and working all over the world

We have the enormous satisfaction of knowing that we are fulfilling customers’ expectations all around the world – and the thousands of **Silens Pro Top®** lift systems installed in over sixty countries on five continents are the best possible proof of that.

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**Europe**

- **EN81-50**: Safety rules for the construction and installation of lifts. Lifts for the transport of persons and goods. Part 50: Design rules, calculations, examinations and tests of lift components.
- **EN81-28**: Remote alarm on passenger and goods passenger lifts.
- **EN81-58**: Landing doors fire resistance test.
- **EN81-70**: Accessibility to lifts for persons including persons with disability.
- **EN81-71**: Vandal resistant lifts.
- **EN81-72**: Firefighters lifts.
- **EN81-73**: Behaviour of lifts in the event of fire.
- **EN81-77**: Lifts subject to seismic conditions.

**Russia**

- **PB 10-558-03**: Rules of installation and safe operation of elevators.

**Australia**

- **AS1735**: Lifts, escalators and moving walks.

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**Quality assurance with the highest standards**

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**25 to 30 years of service life**

and so simple to maintain

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Algeria, Argentina, Australia, Austria, Belgium, Belize, Benin, Burkina Faso, Cape Verde, Chile, Costa Rica, Cuba, Czech Republic, Denmark, Dominican Republic, Ecuador, Egypt, Finland, France, Germany, Ghana, Grenada, Hungary, Iceland, Iraq, Iran, Ireland, Jordan, Kuwait, Latvia, Libya, Malaysia, Malta, Mauritius, Mexico, Monaco, Morocco, Netherlands, Nigeria, Norway, Pakistan, Panama, Portugal, Qatar, Russia, Senegal, Serbia and Montenegro, Syria, Slovakia, Slovenia, Spain, Sweden, Switzerland, Thailand, Togo, Tunisia, Ukraine, United Kingdom, Uruguay, Venezuela.
Quality you can see and feel

The Silens Pro Top® is a state-of-the-art lift which includes the very latest technological innovations in lift design and provides passengers with unmistakably superb service.

With the Silens Pro Top®, the quality and technical refinement shine out in every detail: all the equipment and fittings included as standard have been thought through to deliver the best possible comfort, safety, durability and design excellence in any architectural setting.

Although much of its worth is invisible to the naked eye, what no passenger can fail to notice is the smoothness, precision and quietness of every ride.

That’s why the Silens Pro Top® must be seen and be felt to be believed.
**Space-saving outside - more space inside**
The Silens Pro Top® can be installed within lift shafts with limited dimensions, and both the pit and the headroom take up very little space. The lift system occupies the least possible usable space in a building, making the lift car larger and more spacious. *When it comes to space, the more you can save the better.*

**Unbeatable ride comfort**
The Silens Pro Top® delivers a passenger ride experience which is characterised by *smooth and silent travel with no vibration or sudden movements.*

- The powerful Altamira II control system designed by IMEM controls lift operation with **total precision** and in perfect coordination with the gearless motor and the other components which govern the ride.

- Our **Direct Approach System** controls the speed and duration of each journey and keeps car movement smooth as it travels.

**Perfect stopping accuracy**
Effective car-levelling removes the risk of accidents when passengers enter or leave the lift. With our **Direct Approach System**, the car-to-landing levelling is millimetrically accurate, significantly improving the comfort, safety and quality of life of the lift user.
Limited Edition Package

No vibration
The ingenious mechanical design of the Silens Pro Top® with its central suspension ensures that there is no vibration inside the lift car, in the overhead clearance or in the areas adjacent to the shaft.

- All possible mechanical sources of vibration within the shaft are insulated with silent blocks.
- Low-friction roller shoes give the car the smoothest possible ride along its guide rails.

Silent operation
Thanks to its permanent-magnet technology, the lift’s sophisticated variable-frequency-controlled gearless motor is completely noiseless, which entirely eliminates any acoustic pollution of the building.

Maximum energy efficiency
Our Silens Pro® lifts have been awarded the highest-possible energy-efficiency rating according to the VD14707 benchmark across five categories by intensity of use: five Class As. A Silens Pro® lift is demonstrably a byword for energy efficiency and sustainability.

- All possible mechanical sources of vibration within the shaft are insulated with silent blocks.
- Low-friction roller shoes give the car the smoothest possible ride along its guide rails.

Being lighter and more compact than other motors on the market, the gearless drive unit is significantly easier to transport and to install on-site.

The portico-type car frame, designed and built by IMEM, is very robust and, due to its central suspension, delivers excellent passenger ride comfort.

The platform, sides, floor and ceiling of the lift car form a rigid unit that is extremely sturdy and hard-wearing.

The car frame, bedplate, brackets and other lift components are finished with an epoxy coating to prolong their service life and protect them from rust.

The cold-drawn guide rails are the very best on the market. They are supplied in packets of 2, 3 or 5 and the final length is cut to size according to site requirements.

The Silens Pro Top® comes with all the safety features required to provide two-way communication and allow fast and efficient passenger rescue, while also ensuring the safety of maintenance technicians.
A sure choice for lift professionals

01

A fully-integrated solution
As both designer and manufacturer, IMEM can confidently guarantee the originality and perfect compatibility of all the components in the Silens Pro Top®, which offers lift professionals a fully-integrated solution that is demonstrably effective.

02

Cutting-edge lift technology at your service
The powerful state-of-the-art Altamira II control system is a major step forward, designed and built by IMEM, that runs all the different operations of the Silens Pro Top® with absolute precision: travel, speed, door opening and closing, different modes of operation - it does it all.

The Altamira II control system offers a world of possibilities when it comes to moulding each Silens Pro Top® into a lift system that is perfectly adapted to the needs of any setting - and it offers some significant operational advantages:

- Technical support, directly from IMEM – which means no intermediaries.

- Spare parts in common with other control systems, reducing the need to stockpile a range of spares and to retrain support staff.

- Open protocol: our control system can be easily maintained by other competent companies.
Limited Edition Package

03

Installation: fast and straightforward
The Silens Pro Top® is the fruit of many years of research and experience, and it is designed to ensure that its transport, handling and installation on-site is as easy and rapid as possible, to guarantee the best results and minimise labour costs.

Intelligent packaging
The Silens Pro Top® arrives on-site packaged in such a way as to facilitate the work of the installation engineers. All the lift components and parts are delivered in a logically-organised series of packs that are clearly labelled and numbered according to their place in the installation sequence. The lift system comes with all the detailed checklists, documents and installation manuals required.

Pre-tested lift cars
Every single one of our lift cars is assembled, tested and then disassembled before it leaves our factory, guaranteeing its trouble-free assembly on-site.

Plug it in: it’s as simple as that
All electrical systems are supplied pre-wired and pre-checked, and they are tested with the exact same drive unit delivered with the system. All this has a major impact on minimising problems during the installation process and optimising the final result.

04

Technical support: fast and efficient
During installation and maintenance work, we offer our clients all the technical support they need, whether mechanical or electrical. Highly qualified staff, advising them in real time and in their own language.

Training our clients
We offer our clients specific training (in their own language) on installation methods, on the system’s technical specifications, on control systems, on maintenance practices and on other subjects. We have very detailed videos on the whole installation process to help bring our clients up to speed.

How many qualified engineers does it take to install a Silens Pro Top®?

Only two.

Our new app to control and manage the Silens Pro Top®.
The 210 Series lift cars are perfectly adaptable to any setting: we have created a functional design with a flat modular construction system, a range of fresh and modern colours and top-quality materials which are durable and hard-wearing.

- Car wall panels finished in skinplate laminates, available in a wide range of colours.
- Hard-wearing floor coverings in rubber, vinyl, marble or granite.
- Direct lighting with LED spots, or indirect lighting using fluorescent lights within a suspended ceiling in different designs.
The 310 Series lift cars have very clean lines and are extremely versatile, adaptable, sturdy and long-lasting. A beautifully finished car, easily tuned to match any building’s overall design concept.

- The car wall panels are fixed to a metal frame and finished in High-Pressure laminates in an extensive choice of colours.

- Hard-wearing floor coverings in rubber, vinyl, marble or granite.

- Direct lighting with LED spots, or indirect lighting using fluorescent lights within a suspended ceiling in a range of designs.
Car wall panels

Skinplate • 210 Series

- P 222
- P 260
- P 270
- P 280
- P 412
- P 422
- P 432
- P 201
- P 202
- P 203
- P 204
- P 205
- P 206
- P 208
- P 209

High-Pressure laminates • 310 Series

- P 301
- P 302
- P 303
- P 304
- P 305
- P 306
- P 307
- P 308
- P 309
- P 310
- P 311
- P 312
- P 313
- P 314
- P 315
- P 316
- P 317
- P 318
- P 319
- P 320
- P 321
- P 322
- P 323
Car wall panels

Stainless steel

- SS
- SS Elephant Hide
- SS Linen

Flooring

Rubber

- Ref.: S32 GN
- Ref.: S42 GB
- Ref.: S52 GN
- Ref.: S62 GG

Granite

- Pearl grey
- Labrador Blue
- Labrador Black

Marble

- Italy White
- Portugal Brown
**Handrails**

**Stainless steel**

PSI 1  
PSI 2  
PSI 3  
PSI 4

**Lighting**

Suspended ceilings with indirect lighting are only available for lift cars of 2200mm in height with doors of 2000mm in height.

L350  
L760  
L750  
*Ref. 401  
LED Spot

*Available painted in RAL 9005 Jet Black or in stainless steel.*
Operating panels, pilot devices & displays

Car operating panels

BCE1

BCE2

BCCE

BC 300

210 Series

310 Series

Landing operating panels

BEE1

BEE2

BEE3

BEE4

Landing indicators – surface-mounted

HLE1

HLE2

HLE3

HLE4

Landing indicators – flush-mounted

HLE0C/HLE0

HLE1C

HLE2C

HLE3C

HLE4C

HLE6C

HLES

* Available as flush or surface-mounted

Car push-buttons

PCEN

PCEB

PCIN

PCMT

Keyed switches for selecting operating modes

PCENK

PCMTK

PCSTK
IMEM ACCESSORIES
Adorros 17 B 38011 Santander
01/01/2021 - D.A.E. 34129
CE 0009-3016

8PERS - 630KG

CONSUMPTION

SPEED:

ENERGY

DESTINATION

TIME

IMEM
Smartech digital display

All of us like to stay informed at all times and that is why we have designed this 7” digital colour display – included in the car as standard – to supply lift passengers with all the information they might want to know about their journey:

Car availability and readiness
Are you ready to travel? The display tells you if the lift is ready to go too.

The Smartech self-testing function
What floor are you going to? First let your lift check that all its systems and safety functions are up and running. And now we really are free to go...

Position and direction: are you going up or down?
The screen continually displays both the car’s position and the direction it is travelling.

The next stop - and countdown till arrival
Where are you heading? The screen always displays the next destination floor and how many seconds remain before arrival.

Speed
Passengers are informed in real time of the speed curve traced by the lift car on every journey, from the moment it leaves to when it arrives at its next scheduled landing.

Energy consumption
The screen displays to the passenger how much energy it is consuming as it travels or how much it is generating and feeding it back into the power grid*.

Notice of arrival at destination. You’re there!
The display screen informs passengers when the lift has arrived at its next scheduled destination.

Date and time
The date and time are always on display.

Load and passenger capacity
The screen shows the lift’s maximum load capacity (in kilograms) and the maximum number of passengers that it is authorised to carry.

* To convert your lift into an active generator of electricity, you can choose to have your Silens Pro Top® fitted with our EcoSaver® regenerative drive system. Contact us for more information or visit our website at www.imem.com.
### 630kg model – data & dimensions

#### RATED LOAD
8 PEOPLE

#### ROPING
2:1

#### MAX. SPEED
1 metre/second

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<table>
<thead>
<tr>
<th>Entrances No. / angle</th>
<th>Car Width (A)</th>
<th>Car Depth (B)</th>
<th>Shaft Width (C)</th>
<th>Shaft Depth* (D)</th>
<th>HEADROOM**</th>
<th>Pit</th>
<th>Door type</th>
</tr>
</thead>
<tbody>
<tr>
<td>1/0º</td>
<td>1100</td>
<td>1400</td>
<td>1600</td>
<td>1675</td>
<td>3400</td>
<td>1050</td>
<td>Side opening 2H 800</td>
</tr>
<tr>
<td>2/180º</td>
<td>1100</td>
<td>1400</td>
<td>1600</td>
<td>1675</td>
<td></td>
<td></td>
<td>Side opening 2H 900</td>
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<td></td>
</tr>
</tbody>
</table>

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* Standard lift car dimensions

EN 81-70 car dimensions

* According to the door and opening type.

** Reduced headroom option of 3250mm with 2050mm car.

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**Sizing options (standard motor)**

- **Maximum Travel**: 60 metres

<table>
<thead>
<tr>
<th>Component</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pit</td>
<td>Standard minimum depth: 1050mm</td>
</tr>
</tbody>
</table>
| Shaft     | Headroom:
|           | Standard minimum (2200mm car): 3400mm |
|           | Reduced minimum (2050mm car): 3250mm |
|           | Minimum width: Car width + 500mm |
|           | Minimum depth:
|           | Single entrance: 950mm |
|           | Double entrance: 1050mm |
| Car       | Maximum depth: 1500mm |
|           | Minimum width: 800mm |
|           | Maximum width: 1300mm |
|           | Height: 2200mm (standard)
|           | 2050-2300mm also available, in 50mm increments |
Limited Edition Package

Maximum Travel: 60 metres

Shaft Pit:
- Standard minimum depth: 1050mm
- Reduced minimum (2050mm car): 3250mm

Headroom:
- Standard minimum (2200mm car): 3400mm
- Reduced minimum (2050mm car): 3250mm

Minimum Width:
- Car width + 500mm

Car Minimum Depth:
- Single entrance: 950mm
- Double entrance: 1050mm

Maximum Depth: 1500mm

Minimum Width: 800mm

Maximum Width: 1300mm

Height:
- 2200mm (standard)
- 2050-2300mm also available, in 50mm increments
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