Powerful and customizable to inspire your imagination in commercial buildings.

Evolution 300 is the perfect elevator for buildings with up to 40 stops that require maximum flexibility in design and dimensions, as well as high performance.

66 predesigned cabin interiors specifically developed to suit different types of public building uses and our custom-fit solutions make sure your elevator has the design that matches your needs. The flexible cabin structure allows custom sizing down to the millimetre.

Featuring the latest technology and top-class materials, this elevator delivers powerful performance for buildings with mid- to high-traffic demands and even heavy-duty applications.

All these characteristics make evolution 300 the ideal solution for commercial buildings in the premium segment with high customization needs or for public transport.

**Overview evolution 300**

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Elevator type</td>
<td>Machine room-less, optional machine room</td>
</tr>
<tr>
<td>Passengers</td>
<td>Up to 53 passengers</td>
</tr>
<tr>
<td>Load</td>
<td>450 - 4000 kg</td>
</tr>
<tr>
<td>Speed</td>
<td>1.0 / 1.6 / 2.0 / 2.5 m/s</td>
</tr>
<tr>
<td>Travel height</td>
<td>Up to 100 m</td>
</tr>
<tr>
<td>Number of stops</td>
<td>Up to 40 stops</td>
</tr>
<tr>
<td>Cabin</td>
<td>66 predesigned cabins / custom-fit solutions</td>
</tr>
<tr>
<td>Door types</td>
<td>Side-opening with 2 panels, central-opening with 2 or 4 panels</td>
</tr>
<tr>
<td>Door opening width</td>
<td>From 800 mm to 2400 mm</td>
</tr>
<tr>
<td>Door height</td>
<td>From 2000 mm to 2500 mm</td>
</tr>
</tbody>
</table>

The evolution family at a glance:

- **Evolution 100**
  Robust and reliable. The reliable and durable solution for low- to mid-traffic functional commercial buildings.

- **Evolution 200**
  High-performance and flexible. The solution for mid-traffic functional and comfort-class commercial buildings. Thanks to its flexible design and dimensions, it is also perfect for modernizing existing buildings.

- **Evolution 300**
  Powerful and customizable. The elevator that combines top-performance with tailor-made solutions for customers. Ideal for mid- to high-traffic commercial buildings with heavy-duty and exceptional design requirements.
The perfect synthesis of pure elegance and powerful performance.

evolution 300 is an ultra-flexible and spatially efficient solution for upmarket and high-use buildings. This elevator has been designed to meet the most demanding expectations. You can rely on excellent quality and thyssenkrupp’s expertise with a product that offers tailor-made design and ensures the highest performance.

Tailor-made design to match your brand
Select one of 66 predesigned cabin interiors available in the A, B and C design lines or tailor the cabin design to your needs with our custom-fit solutions. We offer high-quality materials like stainless steel, laminate or glass walls in a wide range of finishes and colors. Panoramic glass cabins are also available.

Prepared for the highest demands

The cabin dimensions can be customized by the millimeter. An optimized use of technology and reduced overhead and pit dimensions ensure a minimal footprint within the building.

Maximum energy efficiency
Economical and extremely powerful is no contradiction for evolution 300. thyssenkrupp’s technology uses less energy than other elevators offering comparable performance.

Highest space flexibility

evolution 300 offers a multitude of technical features that enable powerful performance for both high traffic and heavy loads. Flexible and fast-moving doors, a gearless machine for speeds up to 2.5 m/s and a reliable controller ensure smooth people flow in high-use buildings. Depending on your needs, you can choose a maximum load of between 450 and 4000 kg. This means that you can use evolution 300 as a passenger elevator or as a goods lift for light loads.

One elevator. Many benefits.
Comfort & performance.

Superior comfort for your passengers.

- Minimized waiting times: waiting time can be reduced by adjusting door speeds to travel volume. Modern controller technology and the optional destination selection control also help to reduce waiting times.
- All-round comfort riding: the spacious cabin is silent and low-vibration in operation and also features pleasant ventilation for enhanced comfort. Optional fold-up seats.
- Access control: evolution 300 offers several access control features, like penthouse control or VIP functions.

Performance.

A benchmark in engineering.

Gearless machine, designed in Germany: compact and extremely quiet-running gearless synchronous drive with an efficiency of over 90%. The drive is significantly more efficient than hydraulic and geared systems. There is also no need for an oil change.

Reliable doors: evolution 300 offers a wide range of dimensions and finishes. The door opening times adapt to traffic volumes, so the doors will easily accommodate the highest peak traffic periods in your building.

Controller: dynamic group control for a group of up to 8 cars. Monitoring for performance management of the elevators.

Optional Destination Selection Control: optimized traffic flow for increased capacity and shorter waiting times.

Heavy duty: you can equip your cabin with robust materials that are perfect for industrial and commercial use. The cabin can handle loads of up to 4 metric tons.

Efficiency, safety & regulations.

Full performance, low energy consumption.

Sustainability is part of our corporate DNA. It involves the holistic improvement of our products and processes to help you reduce the environmental footprint of your buildings and qualify for LEED® and BREEAM® certification by incorporating green features in our elevators.

Measurements taken on a standard evolution configuration with sleep mode achieve the highest energy-efficiency rating class A in use category 1, according to ISO 25745-2. Certification takes into account where the elevator is installed and energy demand during operation as well as in standby mode.

Standby mode: cabin lighting comes with automatic switch off as standard. Sleep mode (optional): the electronic components are turned off when the elevator is in sleep mode and instantly activated when the elevator is called.

Regenerative drive: the optional regenerative drive is a smart system that generates electricity when the car has a full load going down and is empty going up. The power generated in both situations is then captured and fed into the grid.

LED lighting is included as standard in all lighting devices. LED lighting can last 10 times longer and is up to 80% more energy efficient than halogen lighting.

Optional eco/high speed mode: to save energy, intelligent energy management automatically adjusts elevator speed and door opening times according to traffic volume.

Gearless machine, designed in Germany: high performance, high efficiency, low energy consumption and no contaminant lubricants.

Safety & regulations.

Safety that meets the highest standards.

Elevators are the safest means of transport: all safety elements are manufactured to meet all relevant industry standards and regulations, including our company’s own strict internal Safety, Health and Environment standards, as well as meeting ISO 9001 and 14001.

Highest standards: we design, test to the highest standards and manufacture our own safety components.

Emergency evacuation (standard): in the event of power failure, the Automatic Rescue Device (ARD) will safely take you to the next floor (load dependent) <1> and open the doors to allow passengers to exit the cabin <2>.

EN 81-20/50

Stay connected 24/7: whenever you need it, the communication system is there for you, keeping you connected with our 24hr call center.
**Design.**

With evolution 300, you can allow your imagination free rein. The elevator features ultra-flexible fittings that allow you to tailor the cabin design according to your needs. It is available with design lines A, B or C, which offer a great variety of options – from functional to the highest quality materials, ensuring that your cabin looks good for longer.

**Handrails**

Stainless steel satin silver  
Stainless steel satin black

Strong stainless steel handrails with straight and sloped fitting. Curved ends and a silver or black stainless steel finish perfectly complement your predefined cabin. Place them on rear or side walls.

**Panels**

Evolution 300 offers a variety of wall panels: high-quality laminates, stainless steel in different finishes, powder coatings or decorative glass walls for an exclusive look.

**Bumper rails**

To protect your car wall from damage, bumper rails can be mounted as an option in different heights. Available in stainless steel or variants of PVC or wood.

**Push-buttons**

Three different push-button designs with stainless steel finish. These include Braille lettering, main floor green frame and round white confirmation call.

**Floors**

Choose from hard-wearing vinyls or steel for functional requirements or sintered compact surfaces resembling stone or marble for a more exclusive design. You also have the option to supply your own flooring.

**Mirrors**

A large mirror in 5 mm tempered safety glass is included on the rear wall, or on the side wall for elevators with a double entrance.

**Ceilings**

Our ceilings complement the colors and materials of the elevator walls. Choose from 11 lighting styles and different colors with direct or indirect lighting to create the desired atmosphere in your car.

**Landing Position Indicators (LIP)**

The LIP surface installation module is set in black safety glass.

**Landing Operating Panels (LOP)**

The configurable concept of the landing operating panels allows a customized design. They feature stainless steel buttons, a TFT 3.5’’ display and optional key switch zones. Front plate available in black glass, stainless steel Gr. 220D or stainless steel Satin Champagne.

**Landing Direction Indicator Panels (LDP)**

The surface-mounted landing direction indicator informs passengers of the direction the elevator will travel after stopping.

**Evolution 300**

Offers 4 different elegant vertical car operating panels with robust stainless steel or tempered glass surface. Buttons include highlighted 15 mm white tactile characters/symbols and Braille lettering, main floor green frame and round white confirmation call.

**Colors, options and specifications are subject to change. All cabin decor options illustrated in this brochure are representative only. The samples shown may vary from the original in color and material. Patterned samples not to scale. Consult your thyssenkrupp Elevator sales representative for more information.**

**Maximum flexibility: custom-fit solutions**

If you are looking for something truly distinctive, exclusive or unique, you can tailor the elevator design to your precise requirements. From the individual selection of wall panels to the complete redesign of your cabin, contact your thyssenkrupp Elevator sales representative for more information.

Select individually within your chosen design line:

1. Ceilings  
2. Walls  
3. Floors  
4. Skirting  
5. Mirrors  
6. Handrails  
7. Operating panels

**Design line C**

These clean and neutral predesigned cabins create calm and durable environments, easily integrated into the building’s different functions. Choose between stainless steel and laminate materials of the elevator walls. Choose between stainless steel and laminate materials, creating calm and durable environments, easily integrated into the building’s different functions.

**Design line B**

Characterized by high-quality laminates and stainless steel, the 31 predesigned cabins of design line B can be easily adapted to your architecture.

**Design line A**

The 24 predesigned cabins of Design line A create a unique and exclusive atmosphere, using high-quality materials such as glass, patterned laminates or stainless steel.
Selected features and options.

**Comfort**
- Door open/close and alarm push-button
- Big push-buttons with Braille lettering
- Round green frame in main floor push-button
- Acoustic request acknowledgement in the operating panel

**Safety & regulations**
- Prevent of empty car runs
- Halogen-free shaft wiring (except for the motor and travelling cable)
- Light curtain protection
- Light curtain protection 3D
- Emergency lighting in cabin 1 h
- Automatic evacuation to next landing
- Automatic evacuation to any landing
- Two-three-way intercom
- Safety gear on counterweight
- Water pit sensor
- Doors fire rating EN60 / EI120
- EN 81-20/50
- EN 81-21 Existing buildings
- EN 81-28 Emergency call system
- EN 81-70
- EN 81-72, Fire fighter lift
- EN 81-73, Fire evacuation
- EN 81-77, Category 0, 1, 2 and 3 as modification
- Induction loop for hearing-impaired passengers

**Performance**
- Parking level in main landing floor
- Group control system (up to 3 elevators)
- Group control system (up to 8 elevators)
- Monitoring
- Destination selection control with dynamic group control
- Building management system (BMS)
- Extended Building Management System (BMS)
- Machine 180 starts/hour (1 m/s)
- Pre-opening of doors

**Design**
- Predesigned cabins*
- Custom-fit cabin designs
- Custom glass printing
- Preparation for customer-supplied flooring < 25 mm
- Stainless steel COP/LDP
- TFT 7" display in COP
- Courtesy LED backlighting in COP
- Frameless glass doors
- Glass facadeplate for COP/LDP
- LED Display
- LDP and LIP surface-mounted on door frame or wall
- Different push buttons available
- Flush COP available
- Selectable controller cabinet position
- Glass doors
- Glass rear wall cabin
- Glass walls cabin
- Glass 3 side walls cabin

**Efficiency**
- Energy-saving LED lighting
- Cabin lighting stand-by
- Sleep mode
- Regenerative drive
- Trip counter/Service metre
- Highspeed/Eco mode

- Optional product feature
- Standard product feature

* Find out about the different features in our predesigned cabins.

To discover the other options available for evolution 300, please contact your local thyssenkrupp Elevator sales representative. The details quoted in this sheet cannot be viewed as binding when confirmed expressly in writing.

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Success begins with a great plan.

- We support you from the first idea through to completed installation.
- Our highly experienced commercial team will advise you on the best mobility solutions to meet your requirements.
- Easy delivery and skilled installation.

**evolution 300 ePlanning tool**

Make the most of your building space and find the optimal dimensions for your new evolution 300 cabin. All you need is either the shaft or cabin measurements. For new installations, you can simply find the smallest possible shaft dimensions for a specific cabin size. For modernization projects, you can easily optimize the cabin size to fit a particular shaft.
Door installation options in shaft layout.

Shaft layout with side-opening door L2

Single entrance

Double entrance with recess

Single entrance, shaft front wall with gap cover

Shaft layout with central-opening door C2

Single entrance

Double entrance with recess

Single entrance, shaft front wall with gap cover

Key:
- CW: car width
- CD: car depth
- CH: car height
- SW: shaft width
- SD: shaft depth
- SH: shaft head
- SP: shaft pit
- DW: door width
- DH: door height
- FFL: finished floor level
- UFL: unfinished floor level
- TH: travel height
- HST: min. height between floors

Shaft planning layout.

Technical data

**Shaft head dimensions**

<table>
<thead>
<tr>
<th>Speed</th>
<th>Shaft head (in mm)</th>
<th>Rated load (in kg)</th>
<th>Car height (in mm)*</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.0 m/s</td>
<td>3.100 / 3100*</td>
<td>&lt;=1.000</td>
<td>2.100</td>
</tr>
<tr>
<td>1.0 m/s</td>
<td>3.100</td>
<td>&gt;1.000 - 1.600</td>
<td>2.100</td>
</tr>
<tr>
<td>1.6 m/s</td>
<td>3.500</td>
<td>&lt;=1.000</td>
<td>2.100</td>
</tr>
<tr>
<td>1.6 m/s</td>
<td>3.500</td>
<td>&gt;1.000 - 1.600</td>
<td>2.100</td>
</tr>
<tr>
<td>1.6 m/s</td>
<td>3.855</td>
<td>&gt;=1.600</td>
<td>2.100</td>
</tr>
<tr>
<td>2.0 m/s</td>
<td>4.055</td>
<td>&lt;=1.000 - 1.600</td>
<td>2.300</td>
</tr>
<tr>
<td>2.5 m/s</td>
<td>4.290</td>
<td>&lt;=1.000 - 1.600</td>
<td>2.300</td>
</tr>
</tbody>
</table>

**Shaft pit dimensions**

<table>
<thead>
<tr>
<th>Speed</th>
<th>Shaft pit (in mm)</th>
<th>Rated load (in kg)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.0 m/s</td>
<td>1.100 / 900**</td>
<td>&lt;=1.000</td>
</tr>
<tr>
<td>1.0 m/s</td>
<td>1.100</td>
<td>&gt;1.000 - 1.600</td>
</tr>
<tr>
<td>1.6 m/s</td>
<td>1.200</td>
<td>&lt;=1.000</td>
</tr>
<tr>
<td>1.6 m/s</td>
<td>1.200</td>
<td>&gt;1.000 - 2.000</td>
</tr>
<tr>
<td>1.6 m/s</td>
<td>1.310</td>
<td>2.000</td>
</tr>
<tr>
<td>2.0 m/s</td>
<td>1.500</td>
<td>&lt;=1.000</td>
</tr>
<tr>
<td>2.0 m/s</td>
<td>1.500</td>
<td>&gt;1.000 - 2.000</td>
</tr>
<tr>
<td>2.5 m/s</td>
<td>1.910</td>
<td>&lt;=1.000</td>
</tr>
<tr>
<td>2.5 m/s</td>
<td>1.910</td>
<td>&gt;1.000 - 1.600</td>
</tr>
</tbody>
</table>

* reduced shaft head option available
** reduced shaft pit option available

An increase of the car height always results in an equal increase of the shaft head (e.g. CH+100 mm leads to SH+100 mm)
## Technical product scope.

### System | Cabin | Door | Shaft
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Technical product scope.</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>System</td>
<td>Cabin</td>
<td>Door</td>
<td>Shaft</td>
</tr>
<tr>
<td>----------------</td>
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</tr>
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<td>----------------</td>
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<tr>
<td>Technical product scope.</td>
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<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
### System: Technical Product Scope

#### Cabin Door Shaft

<table>
<thead>
<tr>
<th>Rated load (kN)</th>
<th>Number of passengers</th>
<th>Speed [m/s]</th>
<th>Max. Travel height [m]</th>
<th>Car width x car depth [mm]</th>
<th>Car height [mm]</th>
<th>Type of entrance</th>
<th>Door type</th>
<th>Door width [mm]</th>
<th>Door height [mm]</th>
<th>Shaft width [mm]</th>
<th>Shaft depth [mm] - door in shaft</th>
<th>Shaft depth [mm] - door in 55 recess</th>
<th>Shaft depth [mm] - door in recess</th>
<th>Shaft pit [mm]</th>
<th>Shaft head [mm] for cabin height = 2100 mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>1600 21</td>
<td>1.0</td>
<td>40</td>
<td>1400x2400</td>
<td>2100-2700</td>
<td>S/D L2/C2/C4</td>
<td>800-1300</td>
<td>2000-2500</td>
<td>2100 S L2</td>
<td>1100 2000 1940 2745 2700 1150 3100</td>
<td>1904 2700 2745 2700 1150 3100</td>
<td>1600 4055</td>
<td>1905 3500</td>
<td>1905 3500</td>
<td>1905 3500</td>
<td>1954 (C4) 2039 (C2) 2039 (C4) 1954 (L2)/2360 (C2)</td>
</tr>
<tr>
<td>1600 21</td>
<td>2000 26</td>
<td>1.0</td>
<td>40</td>
<td>1500x2700</td>
<td>S/D L2/C2/C4</td>
<td>800-1400</td>
<td>2000-2500</td>
<td>2100 S L2</td>
<td>1300 2000 2253 3100 3045 3000 1250 3700</td>
<td>2100 2700 3220 3180 3100 1250 3700</td>
<td>1600 4055</td>
<td>1905 3500</td>
<td>1905 3500</td>
<td>1905 3500</td>
<td>2100 2700</td>
</tr>
</tbody>
</table>

#### Notes:

1) The shaft depth does not depend on the speed: at \( v \geq 1.6 \text{ m/s} \), the corresponding values as specified in the lines with \( v = 1.0 \text{ m/s} \) apply.

2) Minimum headheight with \( KH = 2100 \text{ mm} \) and telescopic railing on the car roof, otherwise +400 mm.

3) Reduced pit depth available as an option (rated load \( \leq 1000 \text{ kg} \), travel height \( \leq 30 \text{ m} \), speed \( 1.0 \text{ m/s} \), power regeneration, sliding guides on the counterweight and without safety gear on the counterweight).

4) Reduced headroom height available as an option (rated load \( \leq 1000 \text{ kg} \), travel height \( \leq 40 \text{ m} \), speed \( 1.0 \text{ m/s} \), with power regeneration, sliding guides on the counterweight and without safety gear on the counterweight).

L2 - double-panel telescopic opening sliding door (left or right opening), C2 - double-panel central-opening sliding door, C4 - four-panel central-opening sliding door.

Recess depths: door type L2: recess = 55 mm, deep recess = 100 mm; door type C2: recess = 20 mm, deep recess = 60 mm; door type C4: recess = 55 mm.

Type of entrance: S - single entrance, D - dual entrance (180°).

Shaft tolerance: ± 25 mm, shaft tolerance in the area of the headroom / shaft pit - 0 mm/ + 25 mm.

Depending on the equipment, the shaft dimensions can deviate from the specified values (for example special position of the car operating panel). Examples of shaft dimensions for the door types L2, C2 and C4 are specified with common door widths. For door dimensions deviating from this, you can obtain the corresponding shaft dimensions on request. For the version of the evolution 300 M (with machine room), the shaft dimensions can deviate from those specified here. Shaft dimensions are available on request.
Your service partner.
Always there.

The simple, modular product structure keeps service and maintenance costs to a minimum. Proven system for reduced fault susceptibility.

We provide private, commercial and government customers alike with comprehensive maintenance and support services. Decades of experience in elevator technology means that you can rely on our expertise. We provide you with real-time tracking information about the status of your order (production time, delivery dates, etc.) and respond promptly to technical queries.

Our extremely efficient service is carried out by over 24,000 service technicians worldwide.

Here are some of the key features of our technical service offering:

- Professional, friendly and rapid service with regional service branches and personal contacts.
- Compliance with all applicable laws and regulations.
- Strong expertise of our service technicians, who are backed up by a global network of International Technical Service Centers providing them with training and support on all products and models, regardless of manufacturer.
- Tailored service packages for any product or model on the market.
- Fast trouble-shooting with online diagnostic tools and remote monitoring.

MAX - the game changer that keeps people moving.

Introducing MAX: the elevator industry’s first real-time, cloud-based predictive maintenance solution. Our smart, machine learning Internet of Things (IoT) solution dramatically increases elevator availability by reducing out-of-service situations through real-time diagnostics.

Data gathering  
Precise diagnostics  
Predictive intervention

MAX is only available in selected markets. Consult your thyssenkrupp Elevator sales representative for further information.

Your innovation partner.

Our mission is to make cities the best ever places to live by being the driving force of an industry that moves more than 1 billion people every day.

1,200,000+ elevators and escalators under maintenance  
150 countries
50,000+ employees
1,000+ locations
24/7 service available for customers
24,000+ service technicians