synergy 200
Stylish and flexible.
thyssenkrupp
Stylish and flexible for residential buildings.

With its timeless elegance and outstanding efficiency, synergy 200 meets the highest demands in terms of comfort, flexibility and design for residential buildings.

Featuring the latest technology, high-quality materials and an impressive design, synergy 200 offers enhanced comfort for passengers and adds value to residential buildings.

Choose synergy 200 and trust in thyssenkrupp’s expertise. Our excellent service ensures maximum availability and optimum functionality for longer, resulting in increased user satisfaction.

Thanks to its flexible cabin sizes, this elevator is the perfect choice for modernization projects that require full replacement.

synergy 200 is the ideal solution for low- and mid-traffic residential buildings with demanding design and exceptional flexibility requirements.

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### Overview synergy 200

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
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</thead>
<tbody>
<tr>
<td><strong>Elevator type</strong></td>
<td>Machine room-less, optional machine room</td>
</tr>
<tr>
<td><strong>Passengers</strong></td>
<td>4 to 15 passengers</td>
</tr>
<tr>
<td><strong>Load</strong></td>
<td>320 / 450 / 630 / 825 / 1000 kg</td>
</tr>
<tr>
<td><strong>Speed</strong></td>
<td>1.0 / 1.6 / 1.75 m/s</td>
</tr>
<tr>
<td><strong>Travel height</strong></td>
<td>Up to 75 m</td>
</tr>
<tr>
<td><strong>Number of stops</strong></td>
<td>Up to 20 stops</td>
</tr>
<tr>
<td><strong>Cabin</strong></td>
<td>42 predesigned cabins / custom-fit solutions</td>
</tr>
<tr>
<td><strong>Door types</strong></td>
<td>Side-opening with 2 or 3 panels, central-opening with 2 or 4 panels</td>
</tr>
<tr>
<td><strong>Door opening width</strong></td>
<td>From 700 mm to 1100 mm</td>
</tr>
<tr>
<td><strong>Door height</strong></td>
<td>Up to 2300 mm</td>
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</table>
the synergy family at a glance:
synergy 100
Pure and efficient.
The ideal solution for low-traffic functional residential buildings.
synergy 200
Stylish and flexible.
Ideal elevator for low- to mid-traffic residential buildings with demanding design and flexibility requirements. Also perfect for modernizing existing buildings.
synergy 300
Versatile and smart.
Designed for low-duty and low- to mid-traffic commercial and office buildings.
Space flexibility, efficiency and stylish design in one elevator.

If you are planning a new residential building in the comfort or premium segment, your customers will be expecting a reliable elevator solution with exceptional flexibility and quality. With its adjustable dimensions and a wide range of options, synergy 200 adjusts to your needs and fits seamlessly into your building.

Space efficiency and flexibility

Whether you choose standard dimensions for overhead and pit or a version with reduced dimensions - synergy 200 is best-in-class. In addition to the available standard cabin dimensions, you can match the cabin size to the shaft in 10 mm-steps.

Energy efficiency

synergy 200 offers several standard features that keep energy costs in the green range, such as LED lighting, automatic stand-by operation and its efficient, gearless machine. synergy has been given a Class A rating for energy efficiency.

Sophisticated design

Select one of 42 predesigned cabin interiors that are available in the D and E design lines or tailor the cabin design to your needs with our custom-fit solutions. High-quality laminates or glass walls add a personal touch to your cabin.

Best-in-class installation and service

Efficient installation thanks to optimized manufacturing processes, a modular product concept and experienced installation teams. Professional, friendly and rapid service with regional service branches and personal contacts.
One elevator.
Many benefits.
Key features

Efficiency
Performance
Comfort
Safety & regulations
Design
Energy efficiency.

Efficient, throughout the entire product life cycle.

Sustainability is part of our corporate strategy. 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 synergy configuration with sleep mode achieve the highest energy-efficiency rating Class A according to ISO 25745-2. The low energy consumption reduces the CO2 footprint of the elevator during operation and consequently its share of the overall energy consumption of a building. This has also been proven by synergy’s life cycle assessment.

Low energy consumption thanks to the highly efficient gearless machine with no contaminant lubricants.

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. 45% savings by adding sleep mode option

Product life cycle assessment (LCA): carried out via continuous improvements focused on the materials used, manufacturing and production processes, and operation. In this way, we minimize the environmental impact of our products.

Based on the carbon footprint of an ISO 14044 compliant LCA of a 630 kg elevator at 1 m/s with 5 stops, 25 years lifetime and sleep mode option with usage category 2 according to ISO 25745-2.

LED lighting is standard for all lighting devices (ceilings, push-buttons, etc). LED lighting can last 10 times longer and is up to 80% more energy efficient than halogen lighting.

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.

Performance.

Proven performance complements and enhances your building.

Gearless machine designed in Germany: high performance and quality ensure smooth operation and a long and reliable working life.

Variable door sizes: synergy 200 offers a wide range of door and opening sizes, adapted to the building configuration and performance requirements.

Controller: the CMC4+ 20/50 controller ensures reliable and safe operation of the elevator and reduces energy consumption.

High performance based on thyssenkrupp experience: synergy 200 is engineered and tested by thyssenkrupp. Proven components guarantee reliable performance and longevity of your elevator.
Comfort.

When an elevator ride becomes an experience.

- **High-quality materials and extraordinary design:** synergy 200 is a pleasure for all the senses.
- **Silent and low-vibration:** thanks to high-quality materials and sound insulation, synergy 200 operates silently and very smoothly.
- **Accessibility:** synergy 200’s standard features cover most of the accessibility requirements of the new EN 81-70:2018 European standard. These include cabin and door dimensions, a large safety mirror, luminance contrast in fixtures, large push-buttons with Braille lettering, as well as voice announcements and adjustable sound level.
- **Landing accuracy:** the controller guarantees accurate levelling. Landing accuracy of +/- 3 mm ensures safe and comfortable access for passengers.

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.

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

**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>.
Design.

Endless possibilities.

Predesigned cabin: E33
Ambiance: Sharp
Ceiling: Steel Grille
Walls: Stainless steel, Gr. 220D
Floor: Vinyl, Esquisse Grey
COP: Edge
Design lines for synergy 200.

The collection of predesigned cabins of the E and D design lines have been created by expert designers to achieve a wide spectrum of atmospheres. synergy 200 combines genuine style with quality materials, such as stainless steel, laminate or glass. This adds to the premium feel while ensuring long-lasting good looks.

Design line E
Characterized by fresh and natural colour combinations, the E design line offers a great choice of predesigned cabins in stainless steel or high-quality laminates and melamines.

Design line D
Geared to high-end residential buildings, the D design line’s range of predesigned cabins offers great versatility. They represent a qualitative step up in materials and interior finishes, using either patterned stainless steel, exclusive laminates or decorative glass.

Discover more variants of the E design line in the cabin designer tool.
e-design-synergy.thyssenkrupp-elevator.com

Discover more variants of the D design line in the cabin designer tool.
d-design-synergy.thyssenkrupp-elevator.com
Highest 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.

**Custom selection:**
You can individually select all materials within your chosen design line for the rear wall, COP wall or opposite COP wall. In addition, you can choose a ceiling, floor and skirting, handrails and COP.

**Custom cabin:**
With this option, you get a cabin equipped only with a ceiling and a COP from your chosen design line. You are then free to choose your own floor, if you wish, and can also equip the cabin with your own wall finish and skirting.

**Custom printed glass:**
Customize the walls of your elevator with glass walls in the color of your choice or with an image that is digitally printed onto the glass wall.

To discover the full design collection, please see the dedicated design brochure on our website.

If you have any questions regarding the cabin design, original samples or individual design, please contact your thyssenkrupp elevator sales representative.
Panels, buttons, handrails, and more for synergy 200.

Choose operating panels and accessories that fit your needs.

Car Operating Panels (COP)
synergy 200 offers elegant vertical car operating panels with robust stainless steel or tempered glass surface and 7” TFT display. The double COP option and vandal-resistant versions of Edge and Edge high are also available.

Landing Operating Panels (LOP)
The modular concept of the landing operator panels allows a customized configuration. They feature stainless steel buttons, and optionally a TFT 3.5” display as well as a key switch zone. Front plate available in stainless steel or black glass. Vandal-resistant LOPs are also available.

Landing Direction Indicator Panels (LDIP) & Landing Indicator Panels (LIP)
Achieve a modern and neutral look with a black glass face plate.

Note: For synergy 200, various vandal-resistant fixtures are available. Please see our dedicated Design Book for more options.
Panels
Choose among melamines, laminates and stainless steel in the E design line and decorative glass, laminate or steel in the D design line in our predesigned cabins.

Ceilings
Select from a wide range of lighting styles and different colours with direct or indirect lighting to create the desired atmosphere in your cabin. In addition, vandal-resistant ceilings are available in both design lines.

Stainless steel Satin Silver, straight fixing
Stainless steel Satin Black, sloped fixing

Tiffany
Steel Grille, vandal-resistant

Floors
Choose from a wide range of hard-wearing vinyls or sintered compact surfaces with the look of stone or marble for a more exclusive design. You also have the option to supply your own flooring (recess ≤ 25 mm).

Concrete Dark Grey vinyl
Eminent Grey vinyl
Calacatta compact sintered

Handrails
Robust stainless steel handrails to place on rear or side walls. Straight fitting for E design line and sloped fitting for D design line.

Stainless steel Satin Silver, straight fixing
Stainless steel Satin Black, sloped fixing

Mirrors
Choose the partial-width and partial-height silver safety mirror for the E design line or the full-width and full-height silver or smoked safety mirror for the D design line. The cabin is also available with full-width and mid-height safety mirror or without a mirror in both E and D design lines.

Without mirror
Full-width, mid-height
Full-width, full-height
Partial-width and partial-height

Colors, options and specifications are subject to change. All cabin decor options illustrated in this brochure are for illustrative purposes only. The samples shown may vary from the original in color and material. Patterned samples not to scale. Consult your thyssenkrupp Elevator sales representative about our cabin designer tool and samples.
## Selected features and options

### Comfort
- **Accessibility**
  - Door open/close and alarm push-button
  - Big push-buttons with Braille lettering
  - Round green frame in main floor push-button
  - Adjustable sound level (35-65 dBA)
  - Luminance contrast in fixtures
  - Induction loop for hearing-impaired passengers

- **Access control**
  - Cancellation calls by double click in COP
  - Key and Eurokey switch in COP/LOP for access/functions
  - Encoded car calls (ECC)
  - Preference/Independent service of COP
  - Out of service LOP
  - Penthouse control
  - VIP function
  - Prepared for card reader LOP/COP

- **Others**
  - Car ventilation fan
  - CCTV multimedia travelling cable

### Performance
- Parking level in main landing floor
- Group control system (up to 4 elevators)
- Building management system (BMS)
- Extended Building Management System (BMS)
- Pre-opening of doors

### Layout
- Flexible car dimension in 10 mm-steps
- Flexible door dimension in 50 mm-steps
- Reduced overhead
- Reduced and extra-reduced pit
- Machine room

### Efficiency
- Energy-saving cabin LED lighting
- Energy-saving shaft LED lighting
- Cabin lighting stand-by
- Sleep mode
- Regenerative drive

### Safety & regulations
- Light curtain protection
- Emergency lighting in cabin 3 h
- Automatic evacuation to next landing
- Automatic evacuation to any landing
- Two-/three-way intercom
- Safety gear on counterweight
- Water pit sensor
- Escape hatch

### Design
- Predesigned cabins
- Glass walls finish
- Custom-fit cabin designs: wall finish selection/glass printing/raw cabin
- Vandal-resistant false ceiling
- Preparation for customer-supplied flooring ≤ 25 m
- Stainless steel COP/LOP
- Glass faceplate for COP/LOP
- TFT 7” display in COP
- Courtesy LED backlighting in COP / ceiling
- TFT 3.5” display in LOP, functions/direction
- LOP, LIP and LDIP surface-mounted on door frame or wall
- Vandal-resistant COP/LOP
- Double vertical COP
- Selectable controller cabinet position
- Framed glass doors
- Landing doors in primed coating RAL 7032, for painting at jobsite
- Landing doors in ferritic stainless steel Gr.220D (AISI 441)
- Landing doors in stainless steel Linen, Champagne
- Cabin doors in ferritic stainless steel Gr.220D (AISI 441)
- Cabin doors in stainless steel Linen, Champagne

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* Optional product feature     ● Standard product feature     * Consult availability

To discover the other options available for synergy 200, please contact your local thyssenkrupp Elevator sales representative. The details quoted in this sheet can only be viewed as binding when confirmed expressly in writing.
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.

synergy 200 in-planner tool

Make the most of your building space and find the optimal dimensions for your new synergy 200 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.
Technical product scope.

Door options.

Shaft layout with side-opening door L2

Single entrance

Double entrance

Shaft layout with central-opening door C2

Single entrance

Double entrance

Shaft planning layout.

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

Technical product scope.

Control system

Reduced SH = CH + 490 mm (for CH = 2070 mm)
Standard SH = CH + 1200 mm
Values for self-supporting cabin at 1 m/s and defined conditions. For specific configurations, consult values.

CH = 2070 - 2500 mm

DH = 2000 / 2100 / 2300 mm

TH_{\text{max}} = 45 \text{ m at 1 m/s, 75 m at > 1 m/s}

TH_{\text{min}} = 2900 \text{ mm (consult conditions)}

HST_{\text{min}} = DH + 450 / 550 \text{ mm (consult conditions)}

Reduced SP = 425 / 550 \text{ mm (consult conditions)}

UFL FFU FFU + 100 mm
<table>
<thead>
<tr>
<th>System</th>
<th>Cabin</th>
<th>Door</th>
<th>Shaft</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Rate load [kg]</td>
<td>Passengers</td>
<td>Speed [m/s]</td>
</tr>
<tr>
<td>520 4</td>
<td>1.0</td>
<td>45</td>
<td>850 x 1000</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>700</td>
</tr>
<tr>
<td>450 6</td>
<td>1.0</td>
<td>45</td>
<td>1000 x 1250</td>
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<tr>
<td></td>
<td></td>
<td></td>
<td>900</td>
</tr>
<tr>
<td>630 8</td>
<td>1.0</td>
<td>45</td>
<td>1100 x 1400</td>
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<tr>
<td>825 10</td>
<td>1.0</td>
<td>45</td>
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<td></td>
<td></td>
<td></td>
<td>1000</td>
</tr>
<tr>
<td>1000 13</td>
<td>1.0</td>
<td>45</td>
<td>1400 x 1600</td>
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<td>1000</td>
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</tbody>
</table>

Key: S: Single entrance, D: Double entrance, L2: Side-opening door with 2 panels, C2: Central-opening door with 2 panels

Note: Optional reduced SP = 425/550 mm and reduced SH = CH+490 mm, for CH=2070 mm and self supporting cabin at 1 m/s. Consult shaft dimensions for 1.6 and 1.75 m/s speed. Shaft dimensions considering a general shaft tolerance of +/- 25 mm on each side.
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.

Your elevator is in good hands. With one of the leading providers of urban mobility.

On par with our innovative elevators and escalators engineered and manufactured in Europe, the provision of high-quality maintenance and repairs is a core priority at thyssenkrupp Elevator. Our service concept is built on the basis of ensuring maximum passenger comfort, convenience and safety at all times while protecting the long-term value of your investment – and it extends beyond our own products.

Regardless of make and model, we can cover all your maintenance and service requirements, which is an invaluable advantage for thyssenkrupp customers.

Key features of our service offering:
- Rapid 24/7 service through our 1,000+ regional branches
- Service packages for all major products or models on the market
- Expert service technicians backed by a global network of service centers, providing them with real-time support on third-party products and models
- Customised, state-of-the-art diagnostic tools to interface with other manufacturers’ control systems
- Compliance with all applicable laws and regulations
- Large stock of spare parts for all major lift brands on demand, and efficient logistics capable of swift delivery

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Your service partner. Always there.

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.