Elevator Technology

thyssenkrupp Elevator UK Ltd. 150 Minories London EC3N 1LS Phone: +44 (0) 20 7977 5837 marketing.tkeuk@thyssenkrupp.com www.thyssenkrupp-elevator.com/uk/ synergy® 200 Stylish and flexible. thyssenkrupp

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

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.

Elevator type	Machine room-less, optional machine room
Lievator type	riaciline room-less, optional maciline room
Passengers	4 to 13 passengers
Load	320 / 450 / 630 / 825 / 1000 kg
Speed	1.0 / 1.6 / 1.75 m/s
Travel height	Up to 60 m
Number of stops	Up to 20 stops
Cabin	40 predesigned cabins / custom-fit solutions
Door types	Side-opening with 2 or 3 panels, central-opening with 2 or 4 panels
Door opening width	From 700 mm to 1000 mm
Door height	Up to 2300 mm

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.

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About us

synergy 200 benefits at a glance.

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.



Sophisticated

Select one of 40 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.



Energy efficiency

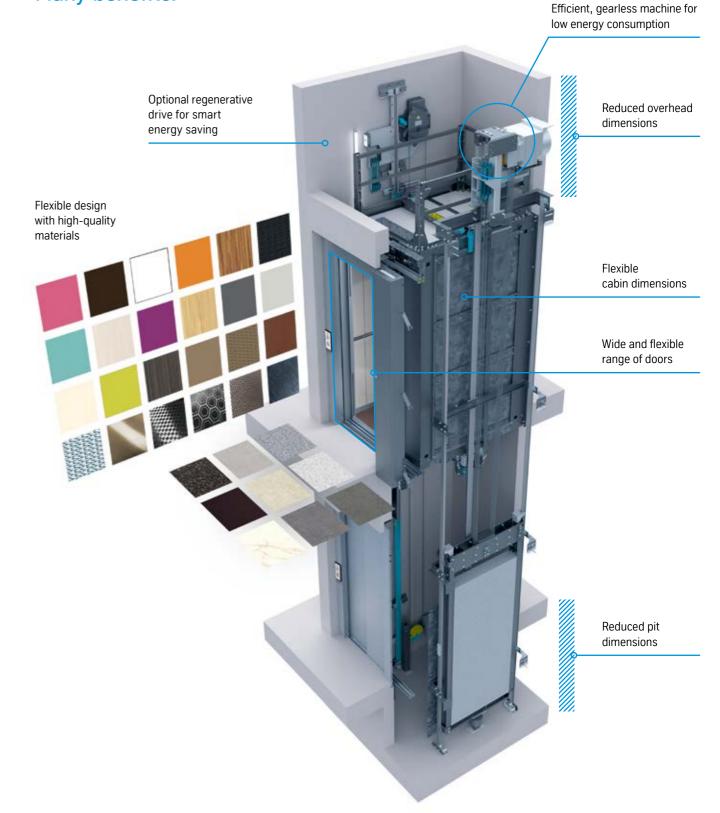
synergy 200 offers several standard features that keep energy costs in the green range, such as LED lighting, automatic stand-by operation and its efficient, gearless machine. synergy has been given a Class A rating for energyefficiency.



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.



Comfort & performance. Efficiency, safety & regulations.

Comfort.

When an elevator ride becomes an experience.



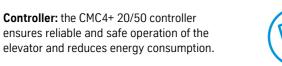
- · High-quality materials and extraordinary design: synergy 200 is a pleasure for all the senses.
- Silent and low-vibration: thanks to high-quality materials and sound insulation, synergy 200 operates silently and very smoothly.
- Accessibility: synergy 200's standard features cover most of the accessibility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

Performance.

Proven performance complements and enhances your building.



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





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



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

Efficiency.

Maximize your return on investment.

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.



Based on a 450 kg elevator height and usage category 2

Synergy Measurements taken on a standard synergy configuration with sleep mode achieve the highest energy-efficiency rating class A 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.



Materials production (%) Operation (%)
Others (%)

Product lifecycle assessment (LCA):

through continous improvement, 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 3 according to ISO 25745-2.



Standby mode: the 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.

energy savings with



Energy-efficient thanks to the gearless machine combined with control system with frequency inverter.



LED lighting is standard in 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.

Safety & regulations.

Ensuring safety for all users at all times.



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, manufacture and test to the highest standards 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.

Design.

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.

Handrails



Stainless steel satin silver Stainless steel satin black

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

Panels

Choose between laminate and stainless steel in the E design line and decorative glass, laminate or steel in the D design line in a choice of 40 predesigned cabins.

Ceiling

Select from 13 lighting styles and different colours with direct or indirect lighting to create the desired atmosphere in your cabin.

Push-buttons

Standard round push-buttons in different stainless steel finishes. These include Braille lettering, main floor green frame and round white confirmation LED light.

DB-01, push-button

faceplate





I DIP 50

Floors



Nature Black



Grey vinyl



Concrete Light Calcatta sintered compact

Choose from a great variety of floors: 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 <20 mm).

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 without a mirror in the D design line.

Landing Operating Panel (LOP)

The configurable concept of the Landing Operator Panels allows a customized design. They feature stainless steel buttons, and optionally a TFT 3.5" display as well as key switch zones. Front plate available in black glass, stainless steel Gr. 220D or stainless steel Satin Champagne.

Landing Direction Indicator Panels (LDIP)

Achieve a modern, neutral look with a black glass faceplate on the landing indicators.

Landing Indicator Panel (LIP)

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



Edge



3

9

(4)

0 0 0

Alto full height

Car Operating Panels (COP)

synergy 200 offers 4 different elegant vertical car operating panels with robust stainless steel or tempered glass surface and large TFT 7" display.

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 about our cabin designer tool and samples



To discover the full design collection, including all cabin designs, walls, flooring, ceiling and signaling options, please see our dedicated design brochure.

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. From the individual selection of wall panels to the complete redesign of your cabin, contact your thyssenkrupp Elevator sales representative for more information.

7 Operating panels

Select individually within your chosen design line:

- 1 Ceilinas 2 Walls
- **5** Mirrors 6 Handrails
- 3 Floors
- 4 Skirting

Design line E

Characterized by fresh colours and a contrasting rear wall, the E design line offers a choice of 17 predesigned cabins in stainless steel or high-quality laminates.



Discover more variants of the E design line in the cabin designer tool.



e-design-synergy thyssenkrupp-

Design line D

Geared to high-end residential buildings, the D design line's 23 predesigned cabins offer great versatility. It represents a qualitative step up in materials and interior finishes, using either patterned stainless steel, exclusive laminates or decorative glass.



Discover more variants of the D design line in the cabin designer tool.



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E32

Features & options. Planning.

Selected features & options.

Comfort	
Accessibility	
Door open/close and alarm push-button	•
Big push-buttons with Braille lettering	•
Round green frame in main floor push-button	•
Inductive loop for hearing-impaired passengers	0
Access control	
Cancellation calls by double click in COP	0
Key switch in COP/LOP for access/functions	0
Encoded car calls (ECC)	0
Preference/Independent service of COP	0
Out of service LOP	0
Penthouse control	0
Prepared for card reader LOP/COP	0
Others	
Car ventilation fan	0
CCTV	0

Performance	
Parking level in main landing floor	•
Group control system (up to 4 elevators)	0
Building Management System (BMS)	0
Extended Building Management System (BMS)	0
Pre-opening of doors	0
Layout	
Flexible cabin dimension in 10 mm steps	0
Flexible door dimension in 50 mm steps	0
Reduced overhead	0
Reduced pit	0
Machine room	0

Efficiency	
Energy-saving LED lighting	•
Cabin lighting stand-by	•
Sleep mode	0
Regenerative drive	0

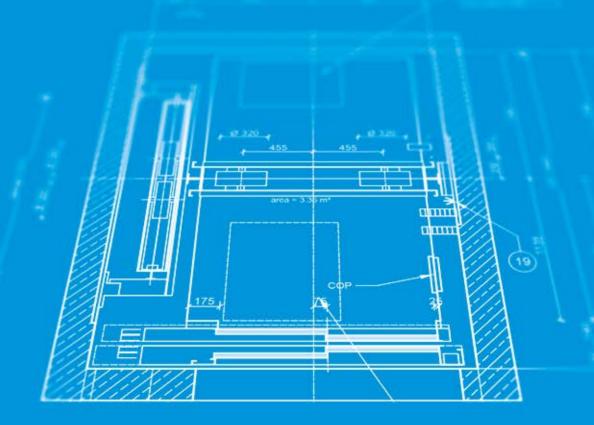
Safety & regulations	
Light curtain protection	•
Emergency lighting in cabin 3 h	•
Automatic evacuation to next landing	•
Automatic evacuation to any landing	0
Two-/three-way intercom	0
Safety gear on counterweight	0
Water pit sensor	0
Halogen-free shaft wiring (except for the motor and travelling cable)	•
Doors fire rating E120/EW60 (EN 81-58)	•
Doors fire rating El60/El120	0
EN 81-20/50	•
EN 81-70	0
EN 81-77, Category 0/1, 2, 3	•/0
EN 81-73, Fire evacuation	0

Design	
Predesigned cabins*	•
Custom glass printing	0
Custom-fit cabin designs	0
Preparation for customer flooring supply < 20 mm	0
Stainless steel COP/LOP	•
Glass faceplate for COP/LOP	0
TFT 7" display in COP	•
TFT 7" display in COP TFT 3.5" display in LOP, functions/direction	•
	0 0
TFT 3.5" display in LOP, functions/direction	•
TFT 3.5" display in LOP, functions/direction LOP, LIP and LDIP surface mounted on door frame or wall	0
TFT 3.5" display in LOP, functions/direction LOP, LIP and LDIP surface mounted on door frame or wall Courtesy LED backlighting in COP	0

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.



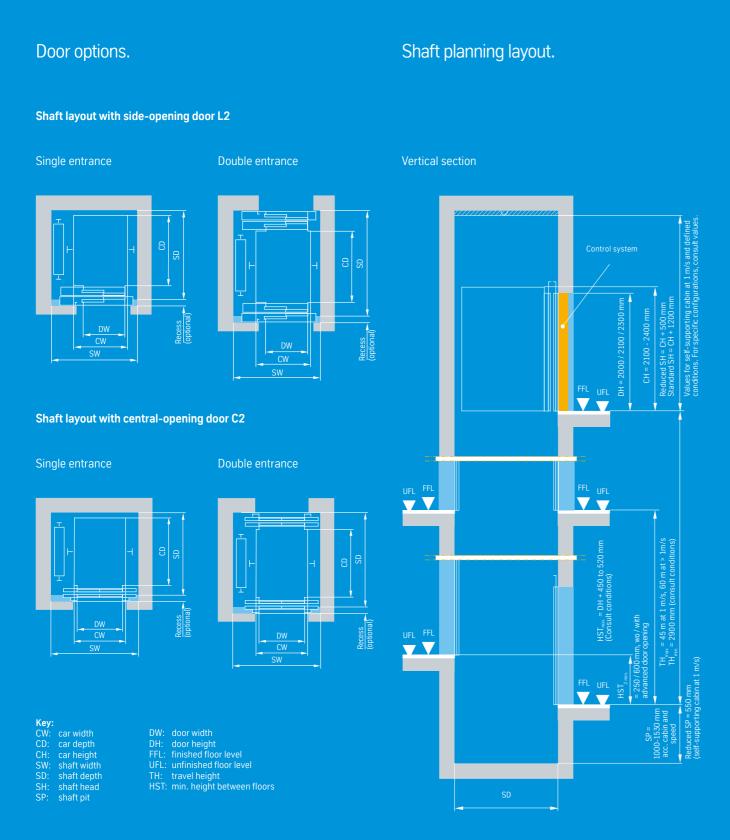
plan-synergy200.thyssenkrupp-elevator.com

 $[\]ensuremath{^{\star}}$ Find out about the different features in our predesigned cabins.

Technical product scope. Shaft planning layout.

Cabin

Technical product scope.



(8) 1.0 45 850 x 1000 1.0 45 900 x 1000 320 4 1000 x 1200 2200 1000 1.0 45 1.0 45 950 x 1300 1.0 45 1000 x 1250 2200 1600 1600 2200 1815 2070 2070 1695 1830 1830 2000 1600 1600 1000 L2 2000 1000 1000 1000 3400 3400 3400 S 1930 1000 D C2 2000 2200 S L2 3400 3400 2000 1000 1000 1000 1000 1.0 45 2000 2070 1745 S C2 1000 1000 3400 3400 D S D 1000 1000 1000 3400 S

Shaft

2445 2630

1945 2130 2130

1815

1745

1745 1930

3400 3400

3400 3400

3400

3400 3400

1000 1000

1000 1000

1000 1000 1000

1000 13 1.0 45 1400 x 1600

D

S

D

S

D

S

D

S

D

2200

C2

C2

C2

L2

C2

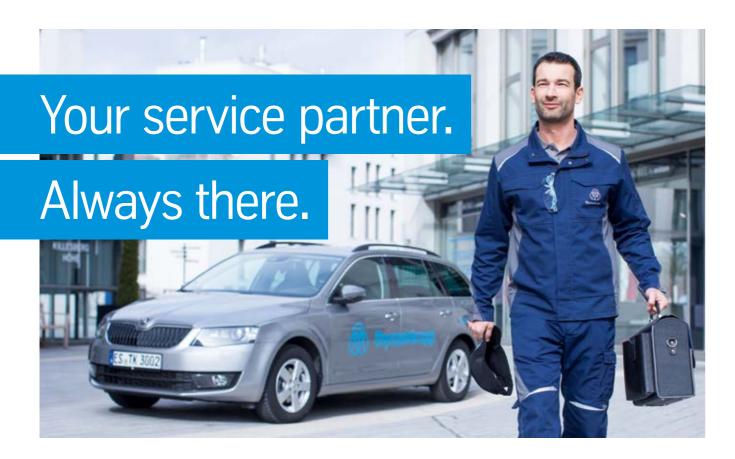
C2

Optional reduced SP = 550 mm and reduced SH = CH + 500 mm, for self-supporting cabin at 1 m/s. Consult shaft dimensions for 1.6 and 1.75 m/s speed. SP = 1325 / 1430 mm and SH = 3620 / 3750 mm for 1.6 and 1.75 m/s accordingly. The values shown correspond to a generic installation. During the planning phase, consider all applicable regulations stipulated by relevant notified body and all applicable national regulations. For specific project requirements, consult our thyssenkrupp Elevator sales representative. * Capacity of 1000 x 1200 mm cabin is 5 passengers for single entrance and 6 for double entrance.

2000

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

Service. About us.



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.













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

1,200,000

150 countries

elevators and escalators under maintenance

50,000+ employees

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.

1,000

locations

24/7

service available for customers

24,000 Hservice technicians