

synergy 100 is the thyssenkrupp ideal solution designed for residential buildings with functional elevator needs.

Featuring a pure, timeless design, optimised manufacturing process and efficient installation, synergy 100 is our most competitive price-performance option.

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Safety. People first.



The design of thyssenkrupp elevators meets the requirements of the current EN 81-20/50 standard governing the safety of passengers and service personnel.

Elevators are the safest means of transport

All safety elements are manufactured to meet all the 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.

Emergency evacuation

In the event of power failure, the Automatic Rescue Device (ARD) will safely take you to the next floor and open the doors to allow the exit of the lift car.

Safe door closing

Using infrared beam technology, our 1.8 m high light curtain provides an extremely quick reaction, avoiding passenger impact when the car doors are closing.

Stay connected 24/7

Whenever you need it, the communication system is there for you, keeping you connected with our 24hr call centre.

Performance. Technology, the essence of thyssenkrupp.





German gearless machine

Located at the top of the shaft (optionally in the machine room), and working together with the frecuency controller:

- · Delivering high performance
- Increases efficiency
- · Reduces energy consumption
- Eliminates the need for contaminant lubricants



Controller

The CMC4+ 20/50 is a low-energy controller that ensures a precise landing accuracy of +/- 3 mm and reliable, safe operation of the elevator.



Car

The new car design improves resistance and travelling comfort as well as enabling rapid and straightforward installation. This synergy includes a self supporting cabin that is available in three standard sizes, all offering 2200 mm of internal height.



Doors

The side-opening and optional central-opening automatic car door operator incorporates variable frequency-controlled opening and closing for reliable and safe operation.

The car doors are supplied in a brushed stainless steel finish.

Landing doors can be supplied with the following options:

- Grey primed coating (RAL 7042)
- · Brushed stainless steel
- · Linen stainless steel (optional)

Comfort. Enjoy a comfortable travel at a competitive price.



Accessibility

Car and door dimensions meet the accessibility requirements of the EN 81-70 European standard. To comply 100% with these requirements, a voice announcement function needed to be added to an already impressive list of standard equipment, which includes a safety mirror, Braille push-buttons, precision stopping, audible 'gong', high-contrast indicator, emergency light and more.

Landing indicators

To make orientation easier, the landing indicators display both floor and direction information to let you know precisely where the elevator is.

Voice announcement

The voice announcement device tells you in good time which floor is coming next, in accordance with the accessibility standards.

Efficiency. A cost-saving option.



This synergy has achieved a Class A energy efficiency rating according to ISO 25745, including the sleep mode option. Certification takes into account where the elevator is installed and energy demand during operation as well as in standby mode. The rating range is A to G, with A the being most efficient.



Less energy consumption

The gearless drive technology, low-energy controller and frequency inverter combine to provide considerable savings compared to other technologies.

Energy savings

The electronic components are turned off when the elevator is in sleep mode and instantly energised when a call is placed upon the elevator. The car lighting comes with automatic switch off as standard.

Low-energy, long-life LED lighting is included as standard. Providing up to 56% energy savings compared to the same light intensity obtained by using fluorescent tubes inside the car.







Design. Ageless style and long-lasting finish.

The finish options available for the synergy 100 combine timeless, clean designs with tough materials to ensure that they stay looking good for longer.

Panels

Choose between full stainless steel (brushed or linen) or a coated steel skinplate in a choice of six stylish coloured predesigned cabins.

Ceiling

The white painted ceiling enhances the reflection of light from the slim LED panel light to provide comfortable, uniform lighting.

Mirror

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. All mirrors conform to EN 81-70 and EN 81-20/50.

Handrail

The robust stainless steel handrail (38 mm diameter) with curved ending complements any decoration and provides a comfortable ride.

The rail can be mounted on the side or rear wall. You can specify up to three handrails per cabin to optimally meet the needs of your passengers.

Floor

Hardwearing, easy-to-clean vinyl in a choice of three colours. You also have the option to supply your own flooring.

Timeless

F10



Stainless steel Brushed



F11



Skirting



Handrail





Floor

Ceiling







Concrete Dark Grey



Stone Beige

Colours, 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 colour and material. Patterned samples not to scale. Consult your thyssenkrupp Elevator sales representative about our cabin designer tool and samples.

The F design line offers a wide range of bright colours for the rear panel to create a cool style. Long-lasting and low-maintenance finishes are the ideal choice for functional buildings.

For the ultimate in long-lasting good looks, choose a stylish and robust stainless steel design line.



Enjoy the cabin design experience with the cabin designer tool on your local thyssenkrupp Elevator website.

Fresh

F01



F02



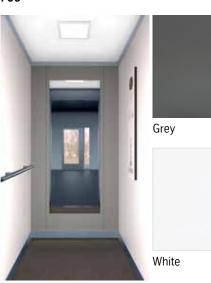
F03



F04



F05



F06



White



Aesthetics. Car and landing operating panels.

synergy 100 presents an impressive pure and affordable aesthetic for cabin and landing fixtures. This is design for everyone.

Car Operating Panel (COP)

The Moon operating panel will be the centre of attention. With its consciously minimalist design, it perfectly combines functionality and quality. It is available in stainless steel or white tempered glass, both with hinged opening for easier maintenance.

Standard

- · Frontplate in brushed stainless steel
- 3.5" TFT display with position and direction indicator
- Braille push-buttons in brushed stainless steel face plate
- Door open-close and alarm button
- · Visual and audible confirmation of call
- Dimensions 210 x 1000 x 33/30 mm (glass/steel)

Options

- · Front plate in white safety glass (EN 12600)
- · Voice floor announcement (selected languages)
- Emergency communication with 24h call centre
- · Optional key switches (access control, preferred service, out of service, etc.)

Push-buttons

steel from the Dot Button design line. These include Braille lettering, main floor green frame according to EN 81-70 and round white confirmation call. Push-button face plate in brushed stainless steel.

White Moon COP



Silver Moon COP







Stainless steel Satin Silver





Landing Operating Panel (LOP)

Contemporary styling for landing signaling in white safety glass or stainless steel. Depending on your needs, the modular concept allows you to choose from a wide range of configurations. These include a display module for the floor and functions indicator, and a key switch module for functions. The surface-mounted design is intended for positioning on the door jamb or side walls.

Standard

- · Front plate finish in brushed stainless steel
- · Braille push-buttons with a brushed stainless steel face plate
- LOP 51 dimensions 91 x 168 x 21 mm

Options

- · Stylish white safety glass front plate
- 3.5" TFT display module
- · Key switch module in brushed stainless steel
- LOP 50 dimensions 91 x 350 x 21 mm
- LOP 52/53 dimensions 91 x 261 x 21 mm

LOP 50 Display zone Push-buttons zone Key switch zone



LOP 52 Push-buttons zone Key switch zone



LOP 53 Display zone



LOP 51 Display zone Push-buttons zone Key switch zone









The LIP surface installation module is set in black safety glass. It is placed on the door lintel or the wall and informs users about position and elevator direction. Includes three 3.5" TFT modules.

• Dimensions 261 x 91 x 21 mm



LID 50

Landing Direction Indicator (LID)

glass with a 3.5" TFT display

• Dimensions 91 x 91 x 21 mm

Positioned at a height of 1.80 m on the door jamb or side wall. Set in white safety



LIP 50

Technical data.

Machine room-less / Machine room
Up to 13 passengers
450 / 630 / 1000 kg
1.0 m/s
Up to 45 m, max. 11 stops
8 predesigned cabins: 6 with skinplate finishes and 2 with stainless steel finishes
1 COP design (2 finishes)

Legend

Q: Load
CW: Car width
CD: Car depth
CH: Car height
DH: Door height
DW: Door width
SW: Shaft width
SD: Shaft depth
O: Overhead

P: Pit
Ent.: Entrance
DO: Door opening
SE: Single entrance
DE: Dual entrance
L2: Two panel

side-opening door
C2: Two panel
central-opening door

EN 81-20/	EN 81-20/50													
Capacity		Car			Door				Shaft					
Passengers n°	Q kg	CW mm	CD mm	CH mm	DH mm	Ent.	DO	DW mm	Min. SW mm	Max. SW mm	Min. SD ⁽¹⁾ mm	Min. SD ⁽²⁾ mm	P mm	O mm
6	450	1000	1250	2200	2000	SE	L2	800	1500	2025	1550	1635	1000	3400
					2100			900	1600	2025	1550	1635	_	
							C2	800	1785	2025	1525	1620	_	
								900	1985	2025	1525	1620		
						DE	L2	800	1500	2025	1685	1860	_	
								900	1600	2025	1685	1860		
						DL	C2	800	1785	2025	1635	1830		
								900	1985	2025	1635	1830		
		950	1300	2200	2000	SE	L2	800	1450	1975	1600	1685	1000	3400
					2100			900	1595	1975	1600	1685		
							C2	800	1785	1975	1575	1670		
								900	1975	1975	1575	1670		
						DE	L2	800	1450	1975	1735	1910		
								900	1595	1975	1735	1910	_	
							C2	800	1785	1975	1685	1880	_	
								900	1975	1975	1685	1880		
8	630	1100	1400	2200	2000	SE	L2	800	1600	2125	1700	1785	1000	3400
					2100			900	1600	2125	1700	1785	_	
							C2	800	1800	2125	1675	1770		
								900	1985	2125	1675	1770	_	
							L2	800	1600	2125	1835	2010		
						DE		900	1600	2125	1835	2010	_	
							C2	800	1800	2125	1785	1980		
								900	1985	2125	1785	1980		
13	1000	1100	2100	2200	2000	SE	L2	900	1625	2155	2400	2485	1000	3400
					2100	JL	C2	900	1985	2155	2375	2470	_	
						D.F.	L2	900	1625	2155	2535	2710	_	
						DE	C2	900	1985	2155	2485	2680		

Dimensions for self supporting car at 1 m/s. Optional reduced pit (550 mm) and overhead (CH+500 mm). The values shown correspond to a generic installation. Consult our thyssenkrupp Elevator sales representatives for specific case dimensions.

Note:

(1)Doors on recess

(2)Doors in shaft

The best of synergy 100 at a glance.

Compact in structure, attractive in design, with proven quality and short delivery time. The ideal solution for residential buildings with an outstanding price-performance ratio.

Safety

- System conforms to EN 81-20/50 with CE marking
- Seismic conditions certification to EN 81-77, optional for category 1, 2 and 3
- Fast and safe installation processes

Performance, innovation and reliability

- · Optimal price-performance ratio
- High reliability thanks to proven components
- · High-quality materials and construction
- Easy maintenance

Comfort and accessibility

- Smooth, gentle ride quality and precise stops
- · Low noise
- Optional EN 81-70 accessibility code compliance

Efficiency

- Modern, highly efficient gearless machine
- · No oil required
- · Control system with frequency control
- · Energy-saving LED lighting
- Optional sleep mode for electronic devices
- A Class energy performance certified according to ISO 25745 (450 kg, 32 m)

Design

- · Simplified, highly functional design
- Tough, long-lasting stainless steel or skinplate finish
- Glass or stainless steel finish for operating and indicator panels in the car and on the landing



Your solution partner.

With the highest guarantee of quality and service



Commercial support

Our highly qualified and experienced commercial team will advise you on the best mobility solutions to meet your building and passenger requirements. They will support you throughout the entire process, from preliminary sketches to final delivery and commissioning.



Customised solutions

We provide a wide range of mobility solutions adapted to your specific needs, from functional residential buildings to special buildings. Our engineering teams carefully study each project to find the best technical solution, providing all the technical documentation required for each phase of the construction process.



Professional installation

thyssenkrupp Elevator installation teams undergo continuous training to give you the best installation service. This means less time is needed for elevator installation, while at the same time complying with health and safety standards throughout the whole process.



Maintenance

thyssenkrupp Elevator offers a reliable, high-quality maintenance service thanks to our expertise in elevator technology. Our customised maintenance plans are precisely matched to your needs.



Customer service

A highly qualified team, the most advanced technical resources, an integrated infrastructure and proficient logistics management enable us to offer quick and efficient customer service anywhere. In addition, our extensive network of branch offices brings personal service right to your door.

Quality and service centres continuously monitor our product quality and service in a direct, personalised way.

We are thyssenkrupp.

thyssenkrupp Elevator brings together the Group's global activities in the area of passenger transport systems.







Our product range includes passenger and freight elevators, escalators, moving walks and passenger boarding bridges, as well as stair-lifts and platform lifts.

In addition to these systems for the global market, we also provide customised solutions, service, maintenance and modernisation packages adapted to the needs of each customer.

More than 50,000 employees in over 900 locations worldwide constitute a service network close to our customers.

Environmental impact

We minimise our impact on the environment by maximising the efficiency of our processes, rationalising the consumption of materials and using the lowest amount of energy possible.

Mobility solutions

Our goal is to improve accessibility for people and encourage smart urban development.

We help people to get around quickly, safely and comfortably.

Training and development

From executives to engineers, managers and operators, our employees share a common culture of commitment and responsibility towards sustainability. We take great interest in educating all our employees regarding attitudes and knowledge aimed at this objective, further encouraging their professional development.

Commitment to quality

To achieve greater efficiency and control processes as well as possible, we strictly adhere to the major international standards and quality regulations.

Elevator Technology

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