

Elevator Technology

synergy

element package.



thyssenkrupp





Design line: Stainless steel
Decor: Stainless steel Brushed
Ceiling: LED spots
Walls: Brushed stainless steel
Floor: Concrete Dark Grey Vinyl
COP: Silver Moon



Functional.

Efficient.

Element.

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

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

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Safety. People first.



The design of thyssenkrupp elevators already meets the requirements of the new 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 1.65 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 frequency 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 VDI 4707, 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.



Energy Efficiency rate:
Class A

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.



45% elevator with geared machine
70% hydraulic elevator



65% energy savings during standby



56% savings

Design. Timeless style and long-lasting finish.

The finish options available for the element package 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 decor already defined.

Skinplate panels (coated steel)



Beige



Yellow



Grey



Blue



Green

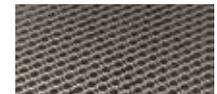


Steel look

Stainless steel panels



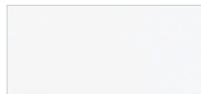
Stainless steel
Brushed



Stainless steel
Linen

Ceiling

The white painted ceiling enhances the light reflection to provide uniform and comfortable lighting with the use of four LED spot lights.



White

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.

Ceiling



Handrail



Floor

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

Floor



Nature Black



Concrete Dark Grey



Stone Beige

Note:

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 skinplate design line offers a wide range of fresh 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.

Skinplate (coated steel)

Seed



Citrus



Stone



Aqua



Olive



Silver

Stainless steel

Stainless steel Brushed



Stainless steel Linen

Aesthetics. Car and landing operating panels.

The synergy element package 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

Standard round push-buttons in stainless 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
Push-buttons zone



LOP 51
Display zone
Push-buttons zone
Key switch zone



Landing Direction Indicator (LID)

Positioned at a height of 1.80 m on the door jamb or side wall. Set in white safety glass with a 3.5" TFT display

- Dimensions 91 x 91 x 21 mm



LID 50

Landing Position Indicator (LIP)

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



LIP 50

Technical data.

Technical data	
Elevator type	Machine room-less / Machine room
Passengers	Up to eight passengers
Load	450 / 630 kg
Speed	1.0 m/s
Travel height	Up to 30 m, max. 11 stops
Cabin decorations	8 decor: 6 with skinplate finishes and 2 with stainless steel finishes
Fixtures	1 COP design (2 finishes)

Legend

Q: Load	P: Pit
CW: Car width	Ent.: Entrance
CD: Car depth	DO: Door opening
CH: Car height	SE: Single entrance
DH: Door height	DE: Dual entrance
DW: Door width	L2: Two panel
SW: Shaft width	side-opening door
SD: Shaft depth	C2: Two panel
O: Overhead	central-opening door

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	2000-2100	SE	L2	800	1500	1740	1540	1635	1000	3400	
								900	1600	2035	1540	1635	1000	3800	
								C2	800	1785	2035	1525	1620	1000	3800
							2000-2100 DE 180°	L2	800	1500	1740	1665	1860	1000	3400
									900	1595	2115	1665	1860	1000	3800
									C2	800	1785	2115	1635	1830	1000
	450	950	1300	2200	2000-2100	SE	L2	800	1450	1690	1590	1685	1000	3400	
								900	1595	1985	1590	1685	1000	3800	
								C2	800	1785	1985	1575	1670	1000	3800
							2000-2100 DE 180°	L2	800	1450	1690	1715	1910	1000	3400
									900	1585	2065	1715	1910	1000	3800
									C2	800	1785	2065	1685	1880	1000
8	630	1100	1400	2200	2000-2100	SE	L2	800	1600	1840	1690	1785	1000	3400	
								900	1600	1840	1690	1785	1000	3400	
								C2	800	1800	1840	1675	1770	1000	3400
							2000-2100 DE 180°	L2	800	1600	1840	1675	1770	1000	3800
									900	1985	2135	1675	1770	1000	3800
									C2	800	1600	1840	1815	2010	1000
	2000-2100 DE 180°	L2	800	1600	1840	1815	2010	1000	3400						
			900	1600	1840	1815	2010	1000	3400						
			C2	800	1800	1840	1785	1980	1000	3400					
	2000-2100 DE 180°	L2	800	1600	1840	1815	2010	1000	3400						
			900	1600	1840	1815	2010	1000	3400						
			C2	800	1800	1840	1785	1980	1000	3400					

Dimensions for self-supporting car at 1 m/s. Shaft dimensions offered for the minimum overhead. The values shown correspond to a generic installation. Consult our thyssenkrupp Elevator sales representative for specific case dimensions.

Note:

⁽¹⁾Doors on recess.

⁽²⁾Doors in shaft.

The best of the synergy element package 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

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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