Elevator Technology

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Elevator Technology

evolution® 300

Powerful and customizable.

thyssenkrupp

Powerful and customizable to inspire your imagination in commercial buildings.

evolution 300: the elevator that combines top performance with tailor-made solutions.

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

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.

Contents

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

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.

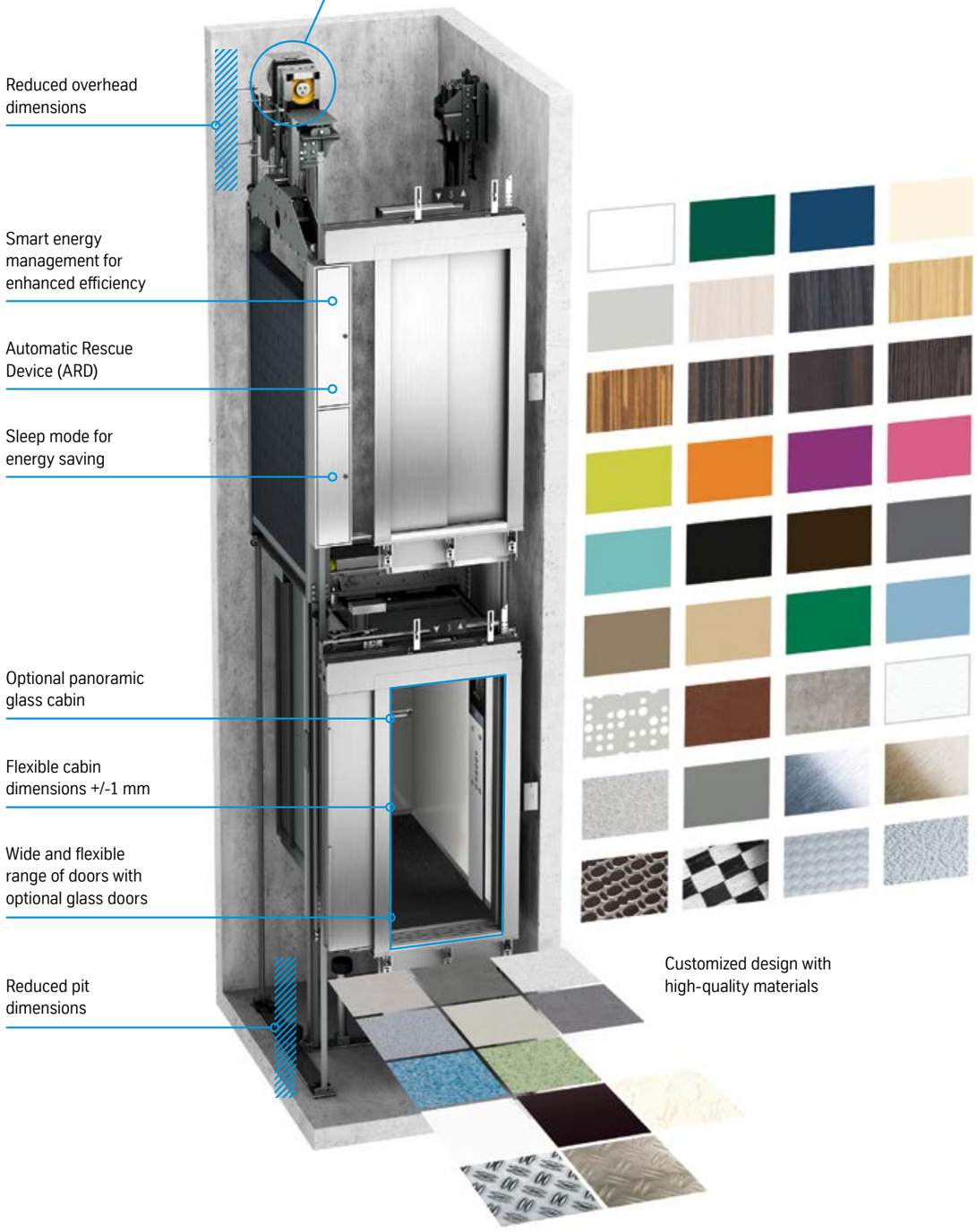
Maximum energy efficiency

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

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.

One elevator. Many benefits.



Comfort.

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.

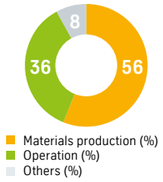
Efficiency.

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.

Elevator with regenerative drive option.

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.



Product lifecycle assessment (LCA): through continous improvement, we minimize the environmental impacts of our solutions.

Based on the carbon footprint of an ISO 14044 compliant LCA of a 1000 kg elevator at 1m/s with 5 stops, 25 years lifetime, using sleep- and eco/high speed mode options, with use category 4 according to ISO 25745-2.

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.

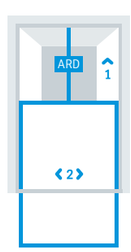
EN 81-20/50

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.

24/7

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.

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

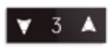
Three different push-button designs with stainless steel finish. These include Braille lettering, main floor green frame and round white confirmation call.

LOP 50

LDIP 50

DB push-button with St. Steel Satin Black face plate

Blueton BRST



LIP 50

Step Classic BSBB

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 (LDIP)

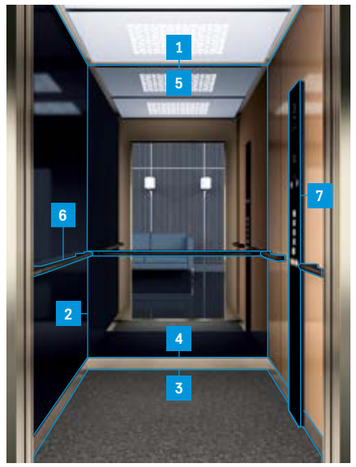
The surface-mounted landing direction indicator informs passengers of the direction the elevator will travel after stopping.

Car Operating Panels (COP)

Alto full height | Edge | Edge high | IL Variable

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 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.

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 walls and an optional glass rear wall.

C11

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

c-design-evolution.thyssenkrupp-elevator.com

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.

B05

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

b-design-evolution.thyssenkrupp-elevator.com

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.

A45

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

a-design-evolution.thyssenkrupp-elevator.com

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	•
Acoustic request acknowledgement in the operating panel	•
Access control	
Cancellation calls by double click in COP	○
Key switch in COP/LOP for access/functions	○
Preference/Independent service of COP	○
Out of service LOP	○
Penthouse control	○
VIP function	○
Prepared for card reader LOP/COP	○
COP for disabled persons	○
Others	
Car ventilation fan	○
CCTV multimedia travelling cable	○
Roller guides in car and counterweight	○
Cabin noise reduction kit	○
Floor light circuit	○

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	○
Layout	
Flexible cabin dimension 1 mm-steps	○
Flexible door dimension in 100 mm-steps	○
Flexible door placement	○
Reduced overhead	○
Reduced pit	○

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

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 EI60 / 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	○

Design	
Predesigned cabins*	•
Custom-fit cabin designs	○
Custom glass printing	○
Preparation for customer-supplied flooring < 25 mm	•
Stainless steel COP/LOP	•
TFT 7'' display in COP	•
Courtesy LED backlighting in COP	○
Frameless glass doors	○
Glass faceplate for COP/LOP	○
LCD Display	○
LOP 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	○

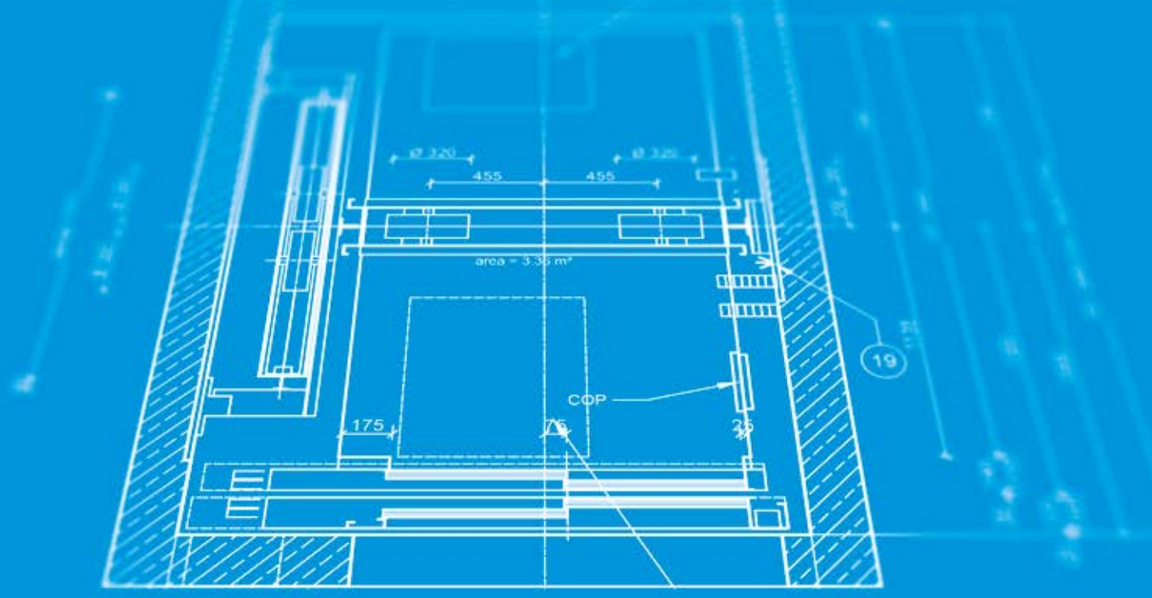
○ Optional product feature • Standard product feature

* 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 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.



evolution 300 ePlanning tool

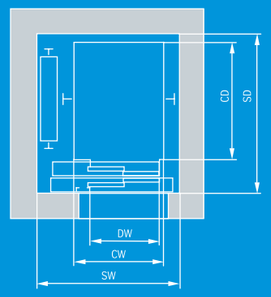
Make the most of your building space and find the optimal dimensions for your new evolution 300 cabin. All you need is either the shaft or cabin measurements. For new installations, you can simply find the smallest possible shaft dimensions for a specific cabin size. For modernization projects, you can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

eplanning.thyssenkrupp-elevator.com

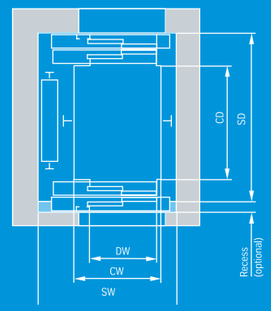
Door installation options in shaft layout.

Shaft layout with side-opening door L2

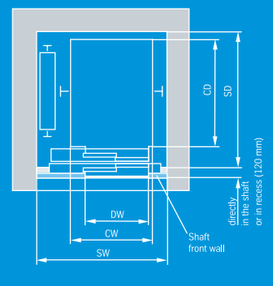
Single entrance



Double entrance with recess

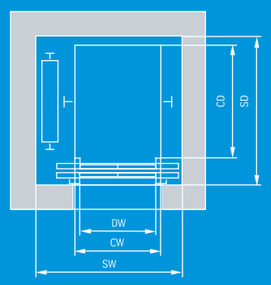


Single entrance, shaft front wall with gap cover

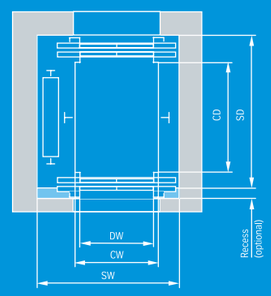


Shaft layout with central-opening door C2

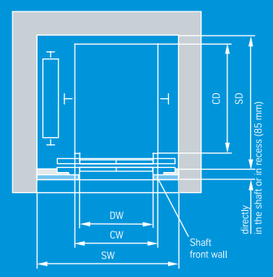
Single entrance



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.

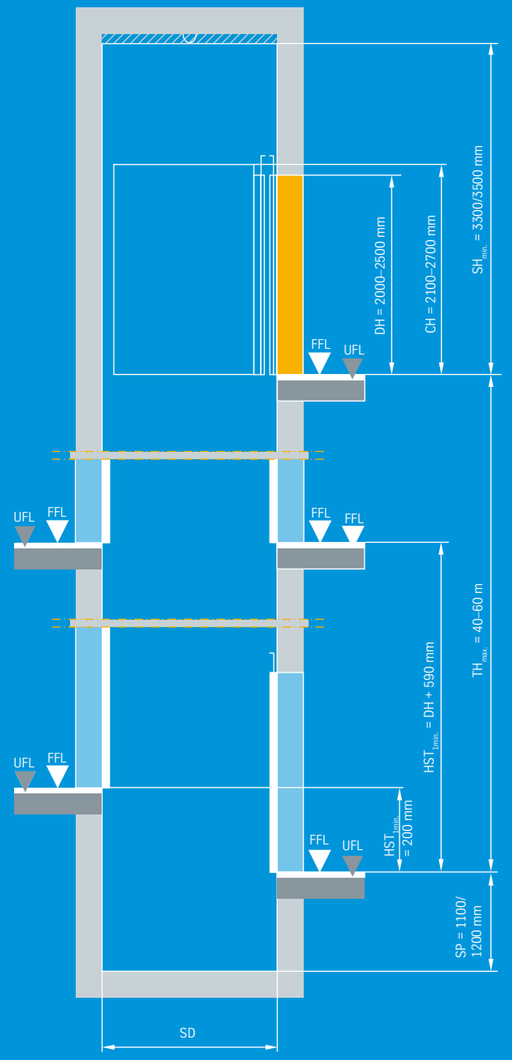
Technical data

Shaft head dimensions

Speed	Shaft head [in mm]	Rated load (in kg)	Car height (in mm)[1)]
1.0 m/s	3.300 / 3100*	<=1.000	2.100
1.0 m/s	3.300	>1.000-1.600	2.100
1.6 m/s	3.500	<=1.000	2.100
1.6 m/s	3.500	>1.000-1.600	2.100
1.6 m/s	3.855	>=1.600	2.100
2.0 m/s	4.055	>1.000-1.600	2.100
2.5 m/s	4.290	<=1.000	2.100
2.5 m/s	4.290	>1.000-1.600	2.100

Shaft pit dimensions

Speed	Shaft pit [in mm]	Rated load (in kg)
1.0 m/s	1.100 / 900**	<=1.000
1.0 m/s	1.150	>1.000-1.600
1.6 m/s	1.200	<=1.000
1.6 m/s	1.250	>1.000-2.000
1.6 m/s	1.350	2.000
2.0 m/s	1.500	<=1.000
2.0 m/s	1.500	>1.000-2.000
2.5 m/s	1.950	<=1.000
2.5 m/s	1.950	>1.000-1.600



* reduced shaft head option available
** reduced shaft pit option available
1) 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						
Rated load	Number of passengers	Speed [m/s]	Max Travelheight [m]	Car width x car depth [mm]	Car height [mm]	Type of entrance	Door type	Door width [mm]	Door height [mm]	Shaft width [mm]	Shaft depth [mm] - door in shaft	Shaft depth [mm] - door in 55 recess	Shaft depth [mm] - door in recess	Shaft pit [mm]	Shaft head [mm] for cabin height = 2100 mm[2]
450	6	1,0	40	1000x1250	2100-2700	S/D	L2/C2/C4	800-900	2000-2500						
					2100	S	L2	800	2000	1510	1650	1595	1550	1100/ 900 [3]	3300/ 3100 [4]
					2100	D	L2	800	2000	1510	1890	1780	1690	1100/ 900 [3]	3300/ 3100 [4]
					2100	S	C2	800	2000	1760	1590	1570	1530	1100/ 900 [3]	3300/ 3100 [4]
					2100	D	C2	800	2000	1760	1770	1730	1650	1100/ 900 [3]	3300/ 3100 [4]
		1,6	60							1517 (L2)/ 1760 (C2)	[1]	[1]	[1]	1200	3500
630	8	1,0	40	1100x1400	2100-2700	S/D	L2/C2/C4	800-1000	2000-2500						
					2100	S	L2	900	2000	1610	1800	1745	1700	1100/ 900 [3]	3300/ 3100 [4]
					2100	D	L2	900	2000	1610	2040	1930	1840	1100/ 900 [3]	3300/ 3100 [4]
					2100	S	C2	900	2000	1960	1740	1720	1680	1100/ 900 [3]	3300/ 3100 [4]
					2100	D	C2	900	2000	1960	1920	1880	1800	1100/ 900 [3]	3300/ 3100 [4]
		1,6	60							1617 (L2)/ 1960 (C2)	[1]	[1]	[1]	1200	3500
		2,0	80							1664 (L2)/ 1997 (C2)	[1]	[1]	–	1500	4055
		2,5	100							1739 (L2)/ 2057 (C2)	[1]	–	–	1950	4290
800	10	1,0	40	1350x1400	2100-2700	S/D	L2/C2/C4	800-1200	2000-2500						
					2100	S	L2	900	2000	1860	1800	1745	1700	1100/ 900 [3]	3300/ 3100 [4]
					2100	D	L2	900	2000	1860	2040	1930	1840	1100/ 900 [3]	3300/ 3100 [4]
					2100	S	C2	900	2000	2015	1740	1720	1680	1100/ 900 [2]	3300/ 3100 [4]
					2100	D	C2	900	2000	2015	1920	1880	1800	1100/ 900 [3]	3300/ 3100 [4]
		1,6	60							1867 (L2)/ 2022 (C2)	[1]	[1]	[1]	1200	3500
		2,0	80							only with CD ≥ 1600 mm	[1]	[1]	[1]	1500	4055
		2,5	100							only with CD ≥ 1600 mm	[1]	[1]	[1]	1950	4290
1000	13	1,0	40	1100x2100	2100-2700	S/D	L2/C2/C4	800-1000	2000-2500						
					2100	S	L2	900	2000	1610	2500	2445	2400	1100/ 900 [3]	3300/ 3100 [4]
					2100	D	L2	900	2000	1610	2740	2630	2540	1100/ 900 [3]	3300/ 3100 [4]
					2100	S	C2	900	2000	1960	2440	2420	2380	1100/ 900 [3]	3300/ 3100 [4]
					2100	D	C2	900	2000	1960	2620	2580	2500	1100/ 900 [3]	3300/ 3100 [4]
		1,6	60							1617 (L2)/ 1960 (C2)	[1]	[1]	[1]	1200	3500
		2,0	80							1664 (L2)/ 1997 (C2)	[1]	[1]	[1]	1500	4055
		2,5	100							1739 (L2)/ 2057 (C2)	[1]	[1]	[1]	1950	4290

System				Cabin		Door				Shaft						
Rated load	Number of passengers	Speed [m/s]	Max Travelheight [m]	Car width x car depth [mm]	Car height [mm]	Type of entrance	Door type	Door width [mm]	Door height [mm]	Shaft width [mm]	Shaft depth [mm] - door in shaft	Shaft depth [mm] - door in 55 recess	Shaft depth [mm] - door in recess	Shaft pit [mm]	Shaft head [mm] for cabin height = 2100 mm[2]
1000	13	1,0	40	1600x1400	2100-2700	S/D	L2/C2/C4	800-1500	2000-2500						
					2100	S	L2	1000	2000	2110	1800	1745	1700	1100/ 900 [3]	3300/ 3100 [4]
					2100	D	L2	1000	2000	2110	2040	1930	1840	1100/ 900 [3]	3300/ 3100 [4]
					2100	S	C2	1000	2000	2240	1740	1720	1680	1100/ 900 [3]	3300/ 3100 [4]
					2100	D	C2	1000	2000	2240	1920	1880	1800	1100/ 900 [3]	3300/ 3100 [4]
		1,6	60							2117 (L2)/ 2247 (C2)	[1]	[1]	[1]	1200	3500
		2,0	80							only with CD ≥ 1600 mm	[1]	[1]	[1]	1500	4055
		2,5	100							2239 (L2)/ 2327 (C2)	[1]	–	–	1950	4290
1000	13	1,0	40	2100x1100	2100-2700	S/D	L2/C2/C4	800-2000	2000-2500						
					2100	S	L2	1300	2000	2610	1600	1545	1500	1150/ 950 [3]	3300
					2100	D	L2	1300	2000	2610	1740	1630	1540	1150/ 950 [3]	3300
					2100	S	C2	1300	2000	2790	1540	1520	1480	1150/ 950 [3]	3300
					2100	D	C2	1300	2000	2790	1620	1580	1500	1150/ 950 [3]	3300
		1,6	60							2617 (L2)/ 2797 (C2)	[1]	[1]	[1]	1250	3500
		2,0	80							only with CD ≥ 1600 mm	[1]	[1]	[1]	1500	4055
		2,5	100							only with CD ≥ 1600 mm	[1]	[1]	[1]	1950	4290
1275	17	1,0	40	1200x2300	2100-2700	S/D	L2/C2/C4	800-1100	2000-2500						
					2100	S	L2	1000	2000	1773	2700	2645	2600	1150	3300
					2100	D	L2	1000	2000	1773	2940	2830	2740	1150	3300
					2100	S	C2	1000	2000	2160	2640	2620	2580	1150	3300
					2100	D	C2	1000	2000	2160	2820	2780	2700	1150	3300
		1,6	60							1780 (L2)/ 2160 (C2)	[1]	[1]	[1]	1250	3500
		2,0	80							1839 (L2)/ 2160 (C2)	[1]	[1]	[1]	1500	4055
		2,5	100							1839 (L2)/ 2160 (C2)	[1]	[1]	[1]	1950	4290
1275	17	1,0	40	2000x1400	2100-2700	S/D	L2/C2/C4	800-1900	2000-2500						
					2100	S	L2	1300	2000	2540	1800	1745	1700	1150	3300
					2100	D	L2	1300	2000	2540	2040	1930	1840	1150	3300
					2100	S	C2	1300	2000	2760	1740	1720	1680	1150	3300
					2100	D	C2	1300	2000	2760	1920	1880	1800	1150	3300
		1,6	60							2554 (L2)/ 2760 (C2)	[1]	[1]	[1]	1250	3500
		2,0	80							2639 (L2)/ 2827 (C2)	[1]	–	–	1500	4055
		2,5	100							2639 (L2)/ 2827 (C2)	[1]	–	–	1950	4290

System				Cabin	Door					Shaft					
Rated load	Number of passengers	Speed [m/s]	Max Travelheight [m]	Car width x car depth [mm]	Car height [mm]	Type of entrance	Door type	Door width [mm]	Door height [mm]	Shaft width [mm]	Shaft depth [mm] - door in shaft	Shaft depth [mm] - door in 55 recess	Shaft depth [mm] - door in recess	Shaft pit [mm]	Shaft head [mm] for cabin height = 2100 mm[2)]
1600	21	1,0	40	1400x2400	2100-2700	S/D	L2/C2/C4	800-1300	2000-2500						
					2100	S	L2	1100	2000	1940	2800	2745	2700	1150	3300
					2100	D	L2	1100	2000	1940	3040	2930	2840	1150	3300
					2100	S	C2	1100	2000	2360	2740	2720	2680	1150	3300
					2100	D	C2	1100	2000	2360	2920	2880	2800	1150	3300
		1,6	60							1954 (L2)/ 2360 (C2)	1)	1)	1)	1250	3500
		2,0	80							2039 (L2)/ 2360 (C2)	1)	1)	1)	1500	4055
		2,5	100							2039 (L2)/ 2360 (C2)	1)	1)	1)	1950	4290
1600	21	1,0	40	1950x1750	2100-2700	S/D	L2/C2/C4	800-1800	2000-2500						
					2100	S	L2	1300	2000	2490	2150	2095	2050	1150	3300
					2100	D	L2	1300	2000	2490	2390	2280	2190	1150	3300
					2100	S	C2	1300	2000	2760	2090	2070	2030	1150	3300
					2100	D	C2	1300	2000	2760	2270	2230	2150	1150	3300
		1,6	60							2504 (L2)/ 2760 (C2)	1)	1)	1)	1250	3500
		2,0	80							2589 (L2)/ 2802 (C2)	1)	–	–	1500	4055
		2,5	100							2589 (L2)/ 2802 (C2)	1)	1)	1)	1950	4290
1600	21	1,0	40	2100x1600	2100-2700	S/D	L2/C2/C4	800-2000	2000-2500						
					2100	S	L2	1300	2000	2640	2000	1945	1900	1150	3300
					2100	D	L2	1300	2000	2640	2240	2130	2040	1150	3300
					2100	S	C2	1300	2000	2800	1940	1920	1880	1150	3300
					2100	D	C2	1300	2000	2800	2120	2080	2000	1150	3300
		1,6	60							2654 (L2)/ 2807 (C2)	1)	1)	1)	1250	3500
		2,0	80							2739 (L2)/ 2877 (C2)	1)	–	–	1500	4055
		2,5	100							2739 (L2)/ 2877 (C2)	1)	1)	1)	1950	4290
2000	26	1,0	40	1500x2700	2100-2700	S/D	L2/C2/C4	800-1400	2000-2500						
					2100	S	L2	1300	2000	2253	3100	3045	3000	1250	3700
					2100	D	L2	1300	2000	2253	3340	3230	3140	1250	3700
					2100	S	C2	1300	2000	2760	3040	3020	2980	1250	3700
					2100	D	C2	1300	2000	2760	3220	3180	3100	1250	3700
		1,6	60							2259 (L2)/ 2760 (C2)	1)	1)	1)	1350	3855
		2,0	80							2259 (L2)/ 2760 (C2)	1)	1)	1)	1500	4055
		2,5	100							only with CD ≥ 1600 mm	1)	1)	1)	1950	4290

System				Cabin	Door					Shaft					
Rated load	Number of passengers	Speed [m/s]	Max Travelheight [m]	Car width x car depth [mm]	Car height [mm]	Type of entrance	Door type	Door width [mm]	Door height [mm]	Shaft width [mm]	Shaft depth [mm] - door in shaft	Shaft depth [mm] - door in 55 recess	Shaft depth [mm] - door in recess	Shaft pit [mm]	Shaft head [mm] for cabin height = 2100 mm[2)]
2500	33	1,0	40	1800x2700	2100-2700	S/D	L2/C2/C4	800-1700	2000-2500						
					2100	S	C4	1600	2000	2665	3100	3045	–	1300	3700
					2100	D	C4	1600	2000	2665	3340	3230	–	1300	3700
		1,6	60							2671 (C4)	1)	1)	-	1500	3855
3000	40	1,0	40	2000x2800	2100-2700	S/D	L2/C2/C4	800-1900	2000-2500						
					2100	S	C4	1800	2000	2915	3210	3155	–	1300	3700
					2100	D	C4	1800	2000	2915	3440	3330	–	1300	3700
		1,6	60							2921 (C4)	1)	1)	-	1500	3855
3500	46	1,0	40	2100x3050	2100-2700	S/D	L2/C2/C4	800-2000	2000-2500						
					2100	S	C4	1800	2000	2985	3460	3405	–	1300	3700
					2100	D	C4	1800	2000	2985	3690	3580	–	1300	3700
4000	53	1,0	40	2400x2900	2100-2700	S/D	L2/C2/C4	800-2300	2000-2500						
					2100	S	C4	1800	2000	3135	3310	3255	–	1300	3700
					2100	D	C4	1800	2000	3135	3540	3430	–	1300	3700

[1)] The shaft depth does not depend on the speed: at v ≥ 1.6 m/s, the corresponding values as specified in the lines with v = 1.0 m/s apply.
[2)] Headroom height with KH = 2100 mm and telescopic railing on the car roof, otherwise +400 mm.
[3)] Reduced pit depth available as an option (rated load ≤ 1000 kg, travel height ≤ 30 m, speed 1.0 m/s).
[4)] Reduced headroom height available as an option (rated load ≤ 1000 kg, travel height ≤ 40 m, speed 1.0 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 mr (with machine room), the shaft dimensions can deviate from those specified here. Shaft dimensions are available on request.

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