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thyssenkrupp moves people – the future of urban mobility.

In 40 short years, we've become one of the world's leading elevator companies with unique engineering capabilities, offering next-generation solutions like MULTI, the ropeless elevator, ACCEL, an accelerated people mover, and MAX, a cloud-based predictive maintenance service. Whether building a new state-of-the-art system or optimizing and modernizing existing ones, our solutions deliver crucial energy and time efficiencies, helping to address the challenges of urbanization and transform cities into the best places to live.







A trusted partner

We support our customers throughout their project lifecycle, from the design to the end-of-life phase. Every step of the way, we strive to fully understand their needs and consistently deliver the safest, highest quality passenger transportation solutions, maintenance and modernization packages.

Through our internal technical support function, ITS (International Technical Services), thyssenkrupp trains its service technicians in a multibrand portfolio, enabling them to successfully service more than 1.2 million units under maintenance.

thyssenkrupp – the diversified industrial group

engineering.tomorrow.together – three words that describe who we are, what we do, and how we do it. Driven by global megatrends such as urbanization and the need for efficient use of environmental resources, our global community of more than 150,000 colleagues works together with our customers to harness our engineering expertise and strive for technological and business solutions that satisfy the demand for "more" in a "better" way.

Find out more: www.thyssenkrupp.com



One World



We provide smart and innovative products for a wide variety of applications:



- Escalators and moving walks
- Passenger boarding bridges
- Stair and platform lifts
- Customized service and modernization solutions



Mercedes Be





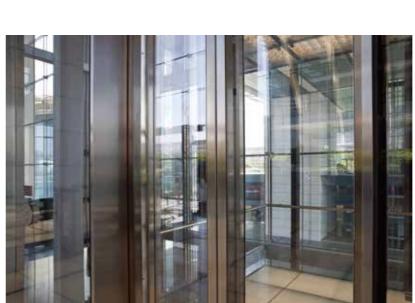
engineering.

tomorrow.

together.

thyssenkrupp Elevator Australia

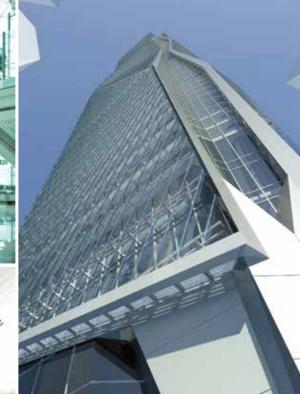
Established in 1996 following the acquisition of City Elevator, thyssenkrupp (Australia) installs, maintains and modernizes elevators and escalators in Australia and New Zealand. We have a strong presence in various segments, such as office, education and hospital. We are committed to working together to make cities the best places to live.













Proven MRL performance

Being a machine room-less (MRL) elevator, Evolution1 is ideal for mid-rise residential and commercial buildings with traffic, such as service elevators in shopping malls where escalators are used as the primary source of transportation.

Designed for

Specification

- Commercial buildings
- Mid-rise residential buildings
- Shopping malls
- Max. travel height: ≤110m
- Rated speed: ≤2.0m/s
- Group control: 8

Proven MRL performance



Ride comfort

Sturdy car design, use of noise-reducing materials, and high precision motor system guarantee ride comfort.

• Max. number of floors: ≤32

Rated load: ≤1600kg



Safe and reliable

Stringent product design based on thyssenkrupp German standards ensures highest degree of passenger safety.



Comfort and aesthetic design

Embrace aesthetic car interior design and comfort.

Ride comfort



 Patented thyssenkrupp technology ensures a smooth ride.

The independent suspension system keeps the car balanced. No additional acting force is required between the guide shoes and the rail, reducing friction and noise.

Hard-wearing polymer guide shoe lining with low coefficient of friction for a smooth ride and enhanced passenger comfort.

 Continuous car load measurements ensure seamless braking and acceleration.

A special weighing sensor continuously measures the car load and sends a signal to the control system to ensure a smooth ride.

 Vibration isolation prevents vibrations from reaching the car interior.

Rubber anti-vibration pad between the crosshead sheave and upper beam prevents vibrations on the sheave from affecting the car interior.

Moving anti-vibration pad between the car and the bottom of the car frame reduces noise and increases ride comfort.

Safe and reliable



thyssenkrupp based on its stringent German product design and safety standards is a trusted brand in the industry. thyssenkrupp is committed to ensuring the highest degree of passenger safety.

Training

Our technicians are trained to work to the highest safety standards and adhere to stringent safety rules. thyssenkrupp's TEAMService and SEED Campus, the thyssenkrupp Elevator training institution, assures that our team is continuously and systematically trained to deliver the services you depend on.

Solutions

Our unique field operations system, VIEW, stores every elevator's service history, enabling us to see the performance of the units in real time, and monitor the leading indicators that optimize equipment availability.

Design

Stringent global product design standards and cutting-edge technology ensure the highest levels of passenger safety.



Installation

thyssenkrupp's reputation for customer-centric solutions has come about through our focus on providing solutions to design, select and install people transportation systems for a wide variety of buildings.

Systematic project management

Utilize mobility devices to provide real-time project management and reporting to ensure timely installation.

Professional installation

Utilize vigorous process to select installation teams. Staff are graded on 7 levels. Installation teams are regularly trained and put through stringent tests to qualify them on proven methodology.

Comprehensive quality control system

In-process checks and quality assurance to ensure qualitative and safe installation

Service

At thyssenkrupp, we are consistently committed to responding to customers' requests in a highly responsive, punctual and timely manner. Driven by a global service strategy, our business operating model contributes to all aspects of customer service satisfaction.

We adopt a proactive approach to go beyond our customers' expectations by providing tailored-made solutions to meet their needs. We strive to protect your investment by delivering a systematic service program of which is smart, stress-free and systematic.

Prescriptive maintenance

Offered through a variety of service agreements that insure a consistent, proactive, and predictable process which you can rely on. Our team is trained to eliminate maintenance problems.

Smart tools

Our network of engineers is well-equipped with intelligent tools to keep passengers moving.

Skilled team

Every engineer is very well-trained to deliver quality work on time.



Comfort and aesthetic design

Evolution1 embraces comfort and aesthetic.

Comfort and aesthetic throughout your building

Designed for mid-to-high-end residential and commercial buildings, Evolution1's inspiring car interiors are designed with the building segment in mind. The feeling of comfort will continue from the lobby interior, into the elevator and therefor throughout the entire building.

Car interior

CS1-GE

Standard

RF-CL1S (Powder coated steel - RAL1015) Ceiling

Side Wall Powder coated steel -

RAL1015

Powder coated steel -Rear Wall

RAL1015

Front Wall Powder coated steel -

RAL1015

PVC Floor - TCD314 Floor

Handrail



CS2-GE

Option

RF-CL1S (Powder coated steel - RAL7035) Ceiling

Side Wall Powder coated steel -

RAL7035

Powder coated steel -Rear Wall

RAL7035

Front Wall Hairline stainless steel -

RAL7035

PVC Floor - CFL010 Floor

Handrail



Car interior

CS3-GEA

Option

Ceiling RF-CL1S (Powder coated

steel - RAL7035)

Side Wall Hairline stainless steel

Rear Wall Hairline stainless steel

Front Wall Hairline stainless steel

Floor PVC Patterned - PF001

(TCD319, TCD314)

Handrail



CL1-GE

Option

Starlight (Powder coated steel - RAL1015) Ceiling

Side Wall Powder coated steel -

RAL1015

Powder coated steel -Rear Wall

RAL1015

Front Wall Powder coated steel -

RAL1015

PVC Floor - CFL008 Floor

Handrail



Actual colours of the product may vary from the printed brochure. The render is produced based on the specifications of the 1,000Kg load car, thus the renderings of other specifications may vary from this one.

Car interior

CL2-GE

Option

Starlight (Powder coated steel - RAL7035) Ceiling

Side Wall Powder coated steel -

RAL7035

Rear Wall Mirror stainless steel

Front Wall Powder coated steel - RAL7035

Mirror stainless steel

Floor Powder coated steel -

RAL7035

Handrail



CL3-GE

Option

Ceiling Starlight

(Hairline stainless steel)

Side Wall Hairline stainless steel

Rear Wall Hairline stainless steel

Front Wall Hairline stainless steel

PVC Patterned - PF002 Floor

(CFL008, CFL006)

Handrail



Car Operating Panel (COP)

Standard 1 Type COP S-A01 Indicator Red dot matrix Button MT42 Optional 2 Type COP S-B01 Indicator Red dot matrix Button Red dot matrix Button AN170

Optional 3 Type COP S-A02 Indicator 5.7" Blue-white segment LCD Button MT42

Optional

Type Indicator

Button

COP S-B02 5.7" Blue-white segment LCD MT42



All thyssenkrupp products shipped on or after 1 October, 2016 will feature the new logo.

Products shipped before this date will continue to use the old logo.

Actual colours of the product may vary from the printed brochure.

Due to the differences of the floor configurations and functions, the design of the operating panel may differ slightly.

Landing operating panel (LOP)

			•			
Standard	1		. A.	6. <u> </u>		/
Indicator Button Firemen's switch	Red dot matrix MT42 P-FS01	18	18 8	•	18	↑ 18
Optional	2		•	PLF-A01	PLF-VI1	
Indicator Button	Red dot matrix AN170		•			<u> </u>
DULLOTT	AN170	1. PLS-A01	PLD-A01			MT 42
Optional	3					
Indicator	4.3" Blue-white segment LCD			=		↑ 18
Button Firemen's switch	AN170 A-FS01	18	18 8	<u>•</u>	1	
	7.1.001			-	18	PLF-HI1
Optional	4		•	PLF-B01		
Indicator	4.3" Blue-white	<u> </u>	<u> </u>		PLF-VI1	1
Button	segment LCD MT42	2. PLS-B01	PLD-B01			AN 170
		16	16 6	0	ALF-HI2	
		•	6	ALF-B02	1	A-FS01
		3. ALS-B02	ALD-B02		AN170	
		16	16 6	•	ALF-HI2	
		•	•	ALF-A02	lacktriangle	

4. ALS-A02

ALD-A02

MT42

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Function list

Evolution1			
Category	No.	Function	Standard / Optional
	1	Door reopen by following landing call at same landing	S
	2	Collective selective control	S
	3	Full-load non-stop	S
	4	Onward travel to the next stop in the case of a non-opening door	S
	5	Anti-nuisance"limit number of car call when empty load"	S
	6	Anti-nuisance "car call cancellation at terminal landing"	S
	7	Anti-nuisance "car call deletion opposite to travel direction"	S
	8	Adjustable waiting time for opening door at the main landing	S
Enhanced Car Functions	9	Adjustable speed and torque of door operator	S
	10	Re-leveling	S
	11	Energy saving operation for car light and fan	S
	12	Elevator start-up loading weighting compensation function	S
	13	In advance door open	0
	14	Changing fire landing	0
	15	Changing parking landing	0
	16	Changing main landing	0
	17	Main landing return	0
	18	Prevents unintended movement of elevator cab	S
	19	Landing to the nearest floor in case of problem (eg. motor overheat, car position missing)	S
	20	Fire emergency return (FER)	S
	21	Alarm button & Intercom button	S
	22	Emergency car lighting	S
	23	Overload protect	S
	24	Repeat door closing in the event of lock failure	S
	25	Safety curtain for door	S
Safety and Emergency	26	Door overload protect	S
Functions	27	Parking (by key switch)	S
	28	Phase failure and phase reversal protection	S
	29	Lockable main switch integrated for controller cabinet	S
	30	Emergency electrical operation	S
	31	Inspection operation	S
	32	Traction machine overheat supervision	S
	33	Traction machine skidding protection	S
	34	Prepared fire emergency return signal	S
	35	Restrict the opening of the car door inside the car	S
	36	Brake Torque Detection Function	S

Note: S – Standard O – Optional

Evolution1 22

Function list

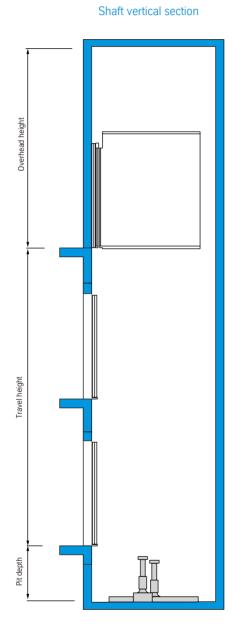
Evolution1			
Category	No.	Function	Standard / Optional
	37	Emergency power operation (generator by customer)	S
	38	Main COP attendance	0
Safety and Emergency	39	Fireman service	0
Functions	40	Door lock bypass function	0
	41	Automatic rescue operation	0
	42	Earthquake function (sensors by customer)	0
	43	Earthquake function (incl. sensors)	0
	44	Top of car emergency exit	0
Toia Formations	45	Automatic doors	S
Trip Functions	46	Collective fault signal	S
	47	Operation counting (trip and hour)	S
	48	Car priority	0
	49	Door close button	S
	50	Door open button	S
	51	Car call cancellation (by double press)	S
	52	Landing indicator of dot-matrix (red)	S
Human Machine	53	Car indicator of dot-matrix (red)	S
Interface	54	Landing indicator of 4.3"blue-white segment LCD	0
	55	Car indicator of 5.7" blue-white segment LCD	0
	56	Car arrival alarm	0
	57	Second COP (excl. car attendant and intercom)	0
	58	COP for disabled persons (no indicator, braille push buttons as standard)	0
	59	Intercom system	S
	60	Traveling cable (incl. video transmission function)	0
	61	BAS interface function (dry contactor signal)	0
	62	Color video camera (in car)	0
Monitoring and Tele-service	63	Remote monitor interfacing (excl. MH2 board)	0
Tele Service	64	Remote monitor interfacing (incl. MH2 board, without modem)	0
	65	Supervision panel (cable by other, cable length<=150m)	0
	66	Build automation interfacing (RS232, MM board)	0
	67	Build automation interfacing (RS485, MMC board)	0
	68	Group control (max 8 units)	0
Group /	69	Automatically allocate lower load elevator to response landing call in group	0
Duplex Control	70	Continued group / duplex operation in case of failure of the other elevator	0
	71	Taking units out of group (timer / switch)	0

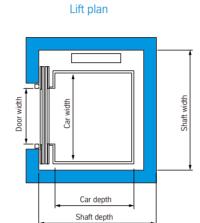
Note: S – Standard O – Optional



Layout

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Technical specifications (counter weight at side)

Evolution1						
Rated Load (kg)	Rated Speed (m/s)	Max. Travel Height (m)	Max. Number of Floors	Center Opening Door Size (DW x DH)(mm)	Car Size (CW x CD x HD)(mm)	Shaft Size (SW x SD)(mm)
630	1.0 1.5 1.6 1.75	50 75 75 90	17 26 26 31	800 x 2100	1100 x 1400 x 2400	1825x 1800
800	1.0 1.5 1.6 1.75 2.0	50 75 75 90 110	17 26 26 31 32	800 x 2100	1350 x 1400 x 2400	2050 x 1800
1000	1.0 1.5 1.6 1.75 2.0	50 75 75 90 110	17 26 26 31 32	900 x 2100	1600 x 1400 x 2400	2300 x 1800
1150	1.0 1.5 1.6 1.75 2.0	50 75 75 90 110	17 26 26 31 32	1100 x 2100	1800 x 1400 x 2400	2600 x 1800
1250	1.0 1.5 1.6 1.75 2.0	50 75 75 90 110	17 26 26 31 32	1100 x 2100	2000 x 1450 x 2400	2750 x 2050
1350	1.0 1.5 1.6 1.75 2.0	50 75 75 90 110	17 26 26 31 32	1100 x 2100	2000 x 1550 x 2400	2750 x 2050
1600	1.0 1.5 1.6 1.75 2.0	50 75 75 90 110	17 26 26 31 32	1100 x 2100	2000 x 1750 x 2400	2750 x 2250

Min. Overhead height & Min. Pit depth

Rated Speed	Min. Overhead Height (mm)				Min. Pit Depth (n	Min. Pit Depth (mm)		
(m/s)	630kg	800-1150kg	1250-1600kg	630kg	800-1000kg	1150kg	1250-1600kg	
1.0	3850	3850	4200	1300	1300	1200	1550	
1.5	4000	4000	4350	1450	1450	1450	1550	
1.6	4000	4000	4350	1450	1450	1450	1600	
1.75	4050	4050	4450	1550	1550	1550	1750	
2.0	/	4250	4450	/	1600	1600	1750	