Elevator Technology

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engineering. tomorrow. together.

enta100 English (2/2020) thyssenkrupp Elevator Innovation and Operations AG Asia Pacific Office
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Elevator Technology

enta100

Beyond the essentials.

thyssenkrupp

enta100 beyond the essentials.

enta100 meets the needs of low-rise residential buildings in the value-for-money segment. Practical design and smart configuration combine with thyssenkrupp reliability to ensure that enta100 goes beyond the essentials.

Designed for

- Low-rise residential buildings in public and private sector

Specification

- Machineroom-less
- Travels up to 45m or 15 stops
- Maximum load capacity of 630kg
- At a speed of 0.5 - 1.0m/s

Makes business sense

Compact configuration and rapid installation reduce construction costs and increase revenue.

Gives peace of mind

thyssenkrupp engineering standards mean trusted reliability.

Brightens up your building

Functional car interiors with a choice of styles to make your building stand out.

Makes business sense.

enta100 is our practical, value-for-money elevator designed to reduce construction costs and increase revenue.

Reduce construction cost and maximize your revenue.

Space is saved by enta100's machineroom-less design, small shaft, overhead and pit, which not only reduce construction costs, but also release more floor area. In addition, quick completion is made possible by smart configuration and straightforward installation methods. With enta100 your building can be completed smarter, fast and for less - to make perfect business sense.

Gives peace of mind.

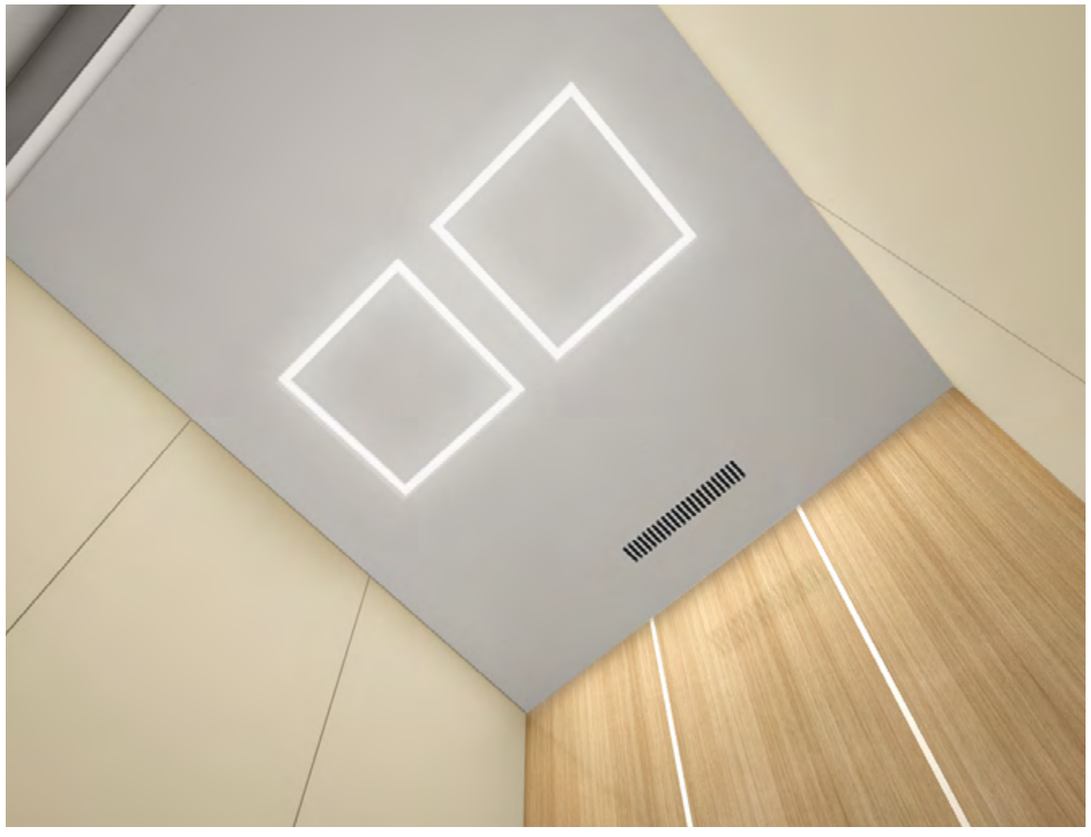
Trusted thyssenkrupp engineering and stringent German design criteria deliver excellent reliability.

Designed for a smooth and comfortable ride.

Each enta100 uses trusted technology and robust components designed for reliable operations long into the future. Engineered to ensure smooth, safe and comfortable passenger journeys; a range of practical features save energy and enhance safety for total peace of mind.

Brightens up your building.

High quality engineering ensures a smooth in-car experience,
made even brighter by a choice of car interiors.



Trends

Choose one of six cabin styles, each crafted by our design team to enhance your building with complementary colors and finishes.

Fixtures

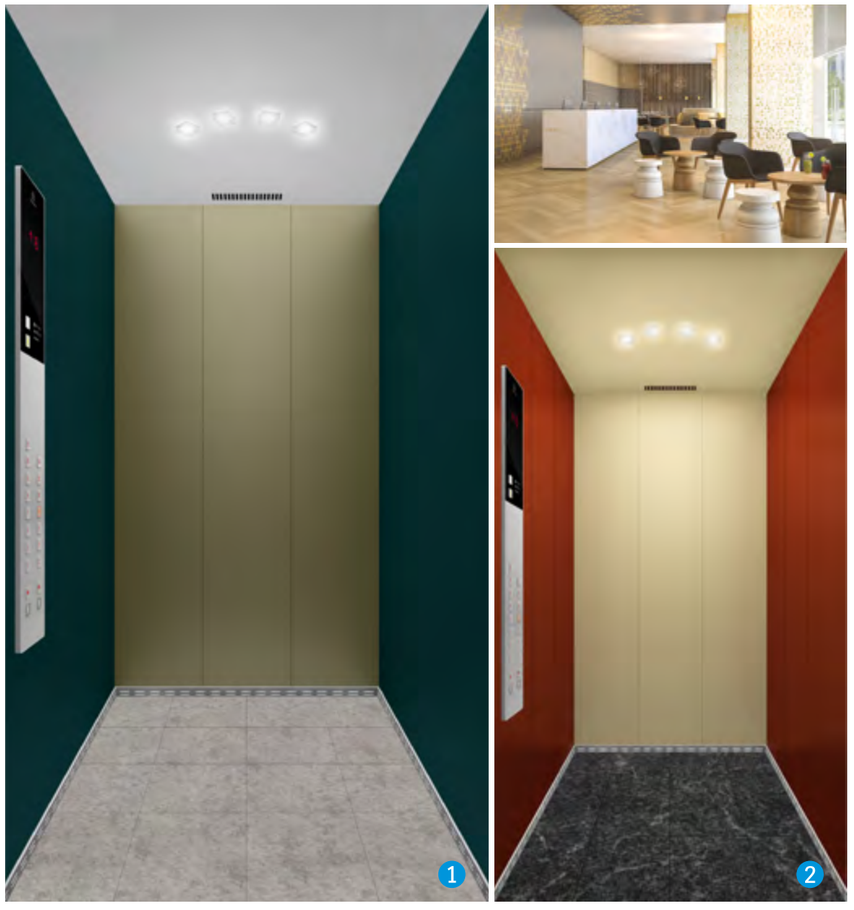
User friendly controls and panels make every passenger journey a delight.

Accessories

Combine useful amenities such as mirrors, handrails, ceiling and lighting options to complete the experience.

Stylish.

Stylish interior design with a touch of luxury.



1 Ocean

Side wall RAL 5020
Rear wall Metallic RAL 1035
Front wall Metallic RAL 1035
Door Metallic RAL 1035
Ceiling RAL 7035
Floor CFL010

2 Copper

Side wall Metallic RAL 8029
Rear wall RAL 1015
Front wall RAL 1015
Door RAL 1015
Ceiling RAL 1015
Floor H260

COP Black

Heritage refined.

Revival of colors, crafts and materials from the past with today's conveniences.

1 Light Wood

Side wall RAL 9003 + Hairline stainless steel
Rear wall Hairline stainless steel
Front wall Hairline stainless steel
Door Hairline stainless steel
Ceiling RAL 7035
Floor TFW13

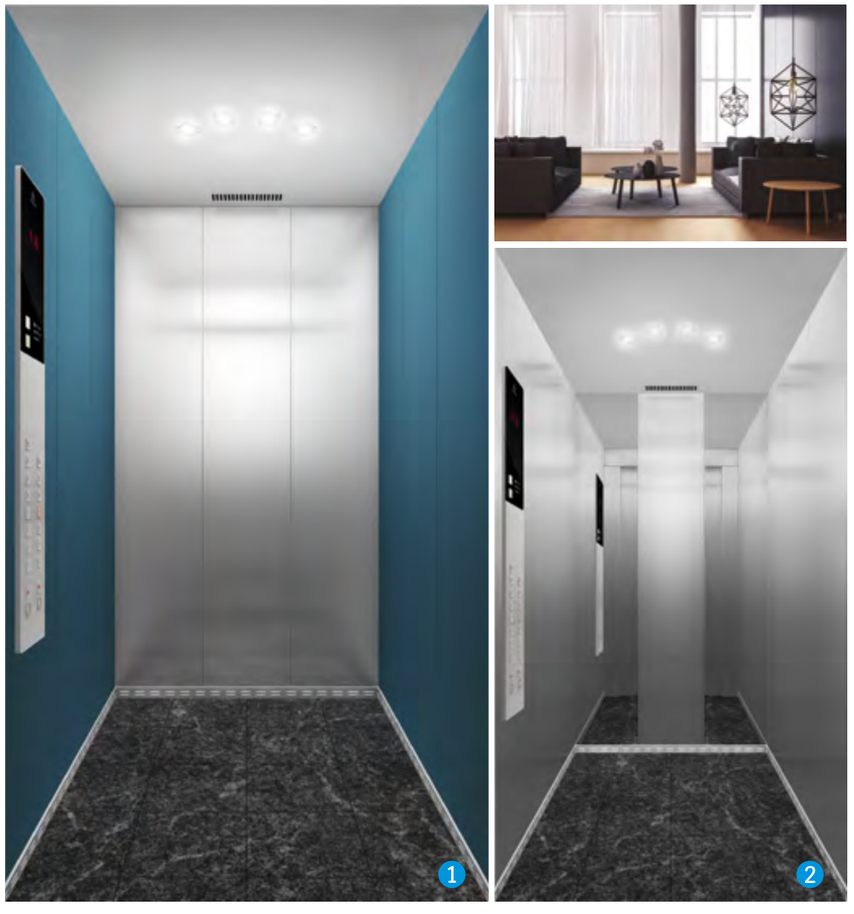
2 Dark Wood

Side wall RAL 1015 + Hairline stainless steel
Rear wall Hairline stainless steel
Front wall Hairline stainless steel
Door Hairline stainless steel
Ceiling RAL 7035
Floor TFW03

COP White

Contemporary.

Minimalistic interior design, influenced by local taste.



1 Sky

Side wall
RAL 5024

Rear wall
Hairline stainless steel

Front wall
Hairline stainless steel

Door
Hairline stainless steel

Ceiling
RAL 7035

Floor
H260

2 Mirror

Side wall
Hairline stainless steel

Rear wall
Hairline + Mirror stainless steel

Front wall
Hairline stainless steel

Door
Hairline stainless steel

Ceiling
RAL 7035

Floor
H260

COP Black

Natural home.

Balanced interior inspired by the colors and materials of nature.

1 Spring

Side wall
Mirabell green

Rear wall
Hairline stainless steel

Front wall
Hairline stainless steel

Door
Hairline stainless steel

Ceiling
RAL 7035

Floor
CFL010

2 Autumn

Side wall
RAL 1013

Rear wall
Laminate (B844NT Aged Ash-s)

Front wall
Hairline stainless steel

Door
Hairline stainless steel

Ceiling
RAL 7035

Floor
H260

COP White

Modern freshness.

A mix of vibrant colors with traditional patterns for that modern twist.

1 Lime

Side wall RAL 9003
Rear wall RAL 9003
Front wall RAL 9003
Door Hairline stainless steel
Ceiling RAL 7035
Floor TF8007

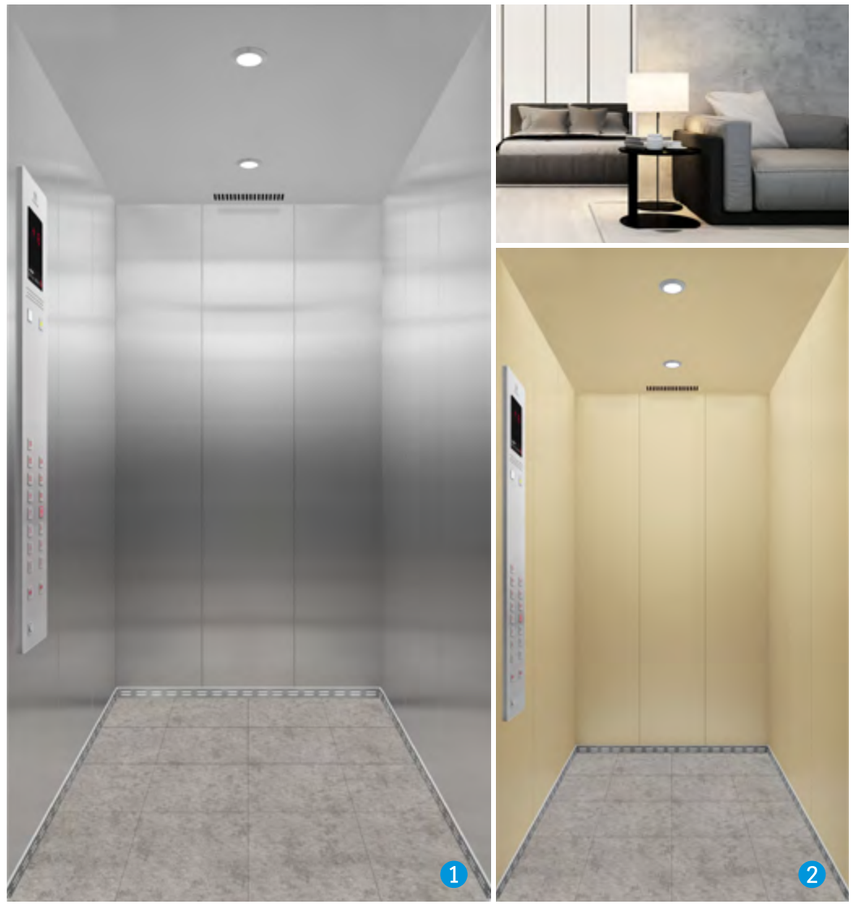
2 Tangerine

Side wall RAL 1015
Rear wall RAL 9003
Front wall RAL 9003
Door Hairline stainless steel
Ceiling RAL 7035
Floor TF8009

COP White

Traditional.

Simple, functional and robust. Our classic combination of materials with universal style.



1 Steel

Side wall Hairline stainless steel
Rear wall Hairline stainless steel
Front wall Hairline stainless steel
Door Hairline stainless steel
Ceiling RAL 7035
Floor CFL010

2 Ivory

Side wall RAL 1015
Rear wall RAL 1015
Front wall RAL 1015
Door RAL 1015
Ceiling RAL 1015
Floor CFL010

COP Classic

Fixtures.

User-friendly designs for ease of use.

Classic / Black

Panel	Stainless steel
Indicator	Red dot matrix
Button	Square button with red light

White

Panel	Stainless steel
Indicator	Blue white segment LCD
Button	Round button with blue light

* All images shown here are for reference only

Accessories.

Harmonious touches designed to enhance the passenger experience.

Ceiling

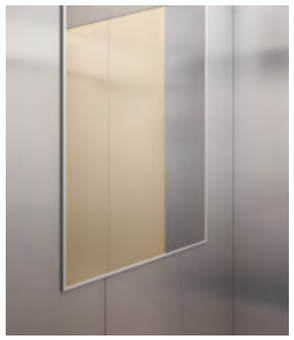
Curved*

Round*

Cubes*

Handrail

Half-size mirror



* Trap door not available

1,200,000
elevators and escalators under maintenance

Customers in
150
countries

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.

Learn more about us online.

1,000+
locations

24/7
service available for customers

24,000+
service technicians

enta100 (GB code)

Function list (Machineroom-less)

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Catagory	No.	Function	Standard / Option
Enhanced Car Functions	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
	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	O
	14	Changing fire landing	O
	15	Changing parking landing	O
	16	Changing main landing	O
	17	Main landing return	O
	18	Adjustable waiting time for opening door at the specific landing	O
Safety and Emergency Functions	19	Landing to the nearest floor in case of problem (eg. overtemperature of motor, car position missing)	S
	20	Fire emergency return (FER)	S
	21	Alarm & Intercom function	S
	22	Emergency car lighting	S
	23	Overload protect	S
	24	Repeat door closing in the event of lock failure	S
	25	Door overload protect	S
	26	Safety curtain for door	S
	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 over temperature supervision	S
	33	Traction machine skidding protection	S
	34	Prepared fire emergency return signal	S
	35	Unintended car movement protection	S
	36	Restrict the opening of the car door inside the car	S
	37	Brake torque detection function	S
	38	Door lock safety device failure detection	S
	39	Emergency operation for electrical brake release	S
	40	Main COP attendance	O
	41	Fireman service	O
	42	Door lock bypass function	S
	43	Automatic rescue operation	O
	44	Earthquake function (sensors by customer)	O
	45	Earthquake function (incl. sensors)	O
	46	Emergency power operation (generator by customer)	O
	47	Top of car emergency exit	O

Note: S - Standard O - Option

enta100 (GB code)

Function list (Machineroom-less)

thyssenkrupp

Catagory	No.	Function	Standard / Option
Safety and Emergency Functions	48	Residual current devices function (RCD function)	O
	49	Alarm while emergency trap door open function	O
	50	Pit water level detection function (switch by custom)	O
	51	Pit water level detection function (incl. switch)	O
	52	Non-door zone landing alarm function	O
Trip Functions	53	Automatic doors	S
	54	Collective fault signal	S
	55	Operation counter (trip and hour)	S
	56	Car priority	O
	57	Fire detector operation (fire alarm sensor by others)	O
	58	Special trip (landing priority) by key switch	O
	59	Card reader operate car call (instead of push button)	O
Human Machine Interface	60	Door close button	S
	61	Door open button	S
	62	Car call cancellation (by double press)	S
	63	Landing indicator of dot-matrix (red)	S
	64	Car indicator of dot-matrix (red)	S
	65	Landing indicator of 4.3" blue-white segment LCD	O
	66	Car indicator of 5.7" blue-white segment LCD	O
	67	Car arrival chime	O
	68	Landing arrival chime	O
	69	Speech synthesis service	O
	70	Second COP (excl. car attendant and intercom)	O
	71	COP for disabled persons (no indicator, braille push buttons as standard)	O
	72	Door keeping open button (door hold function)	O
	73	Out of service display	O
	74	Full-load display	O
	75	Visitor function	O
	76	Call button jammed detection	O
Monitoring and Tele-service	77	Intercom system	S
	78	Six party intercom system (double monitoring room)	O
	79	Traveling cable (incl. video transmission function)	O
	80	BAS interface function (dry contactor signal)	O
	81	Color video camera (in car)	O
	82	Supervision panel (cable by other, cable length≤150m)	O
	83	Build automation interfacing (RS232, MM-B board)	O
	84	Build automation interfacing (RS485, MM-B board)	O
	85	Lift monitoring system (excl. computer & printer)	O
Group / Duplex Control	86	Group control (max 8 units)	O
	87	Continued group/duplex operation in case of failure of the other elevator	O
	88	Taking units out of group (switch)	O

Note: S - Standard O - Option

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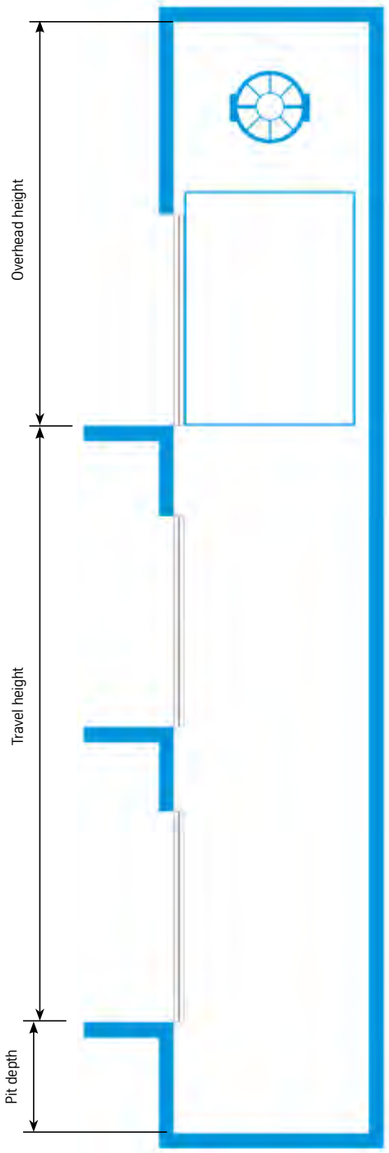
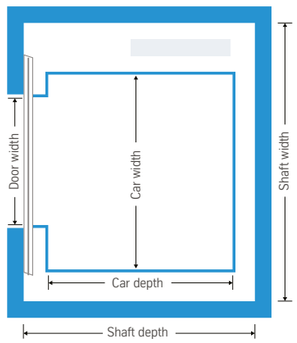
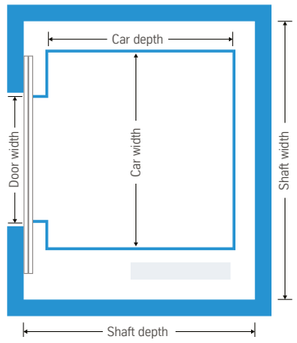
Layout (Machineroom-less)

Shaft vertical section



Lift plan





Technical specifications (Machineroom-less)

Rated Load (kg)	Rated Speed (m/s)	Max. Travel Height (m)	Max. Number of Floors	Door Size (DW x DH) (mm)	Car Size (CW x CD x CH) (mm)	Shaft Size (SW x SD) (mm)
320	0.5	30	10	700 x 2100	850 x 1100 x 2200	1600 x 1500
	1.0	45	15			
400	0.5	30	10	700 x 2100	1000 x 1100 x 2200	1650 x 1500
	1.0	45	15			
450	0.5	30	10	800 x 2100	1100 x 1100 x 2200	1750 x 1500
	1.0	45	15			
540	0.5	30	10	800 x 2100	1100 x 1200 x 2200	1750 x 1550
	1.0	45	15			
630	0.5	30	10	800 x 2100	1100 x 1400 x 2200	1750 x 1750
	1.0	45	15			

Rated Speed (m/s)	Min. Overhead Height (mm)	Min. Pit Depth (mm)
	320-630kg	320-630kg
0.5	3500	1200
1.0	3500	1200

enta100 (EN code)

Function list (Machineroom-less)

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Catagory	No.	Function	Standard / Option
Enhanced Car Functions	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
	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	O
	14	Changing fire landing	O
	15	Changing parking landing	O
	16	Changing main landing	O
	17	Main landing return	O
	18	Adjustable waiting time for opening door at the specific landing	O
	19	Door nudging	S
Safety and Emergency Functions	20	Landing to the nearest floor in case of problem (eg. overtemperature of motor, car position missing)	S
	21	Fire emergency return (FER)	S
	22	Alarm & intercom function	S
	23	Emergency car lighting	S
	24	Overload protect	S
	25	Repeat door closing in the event of lock failure	S
	26	Door overload protect	S
	27	Safety curtain for door	S
	28	Parking (by key switch)	S
	29	Phase failure and phase reversal protection	S
	30	Lockable main switch integrated for controller cabinet	S
	31	Emergency electrical operation	S
	32	Inspection operation	S
	33	Traction machine over temperature supervision	S
	34	Traction machine skidding protection	S
	35	Prepared fire emergency return signal	S
	36	Unintended car movement protection	S
	37	Restrict the opening of the car door inside the car	S
	38	Brake torque detection function	S
	39	Door lock safety device failure detection	S
	40	Emergency operation for electrical brake release	S
	41	Main COP attendance	O
	42	Fireman service	O
	43	Door lock bypass function	S
	44	Automatic rescue operation	O
	45	Earthquake function (sensors by customer)	O
	46	Earthquake function (incl. sensors)	O
	47	Emergency power operation (generator by customer)	O

Note: S - Standard O - Option

enta100 (EN code)

Function list (Machineroom-less)

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Catagory	No.	Function	Standard / Option
Safety and Emergency Functions	48	Top of car emergency exit	S
	49	Residual current devices function (RCD function)	S
	50	Alarm while emergency trap door open function	O
	51	Pit water level detection function (switch by custom)	S
	52	Pit water level detection function (incl. switch)	S
	53	Non-door zone landing alarm function	S
Trip Functions	54	Automatic doors	S
	55	Collective fault signal	S
	56	Operation counter (trip and hour)	S
	57	Car priority	O
	58	Fire detector operation (fire alarm sensor by others)	O
	59	Special trip (landing priority) by key switch	O
	60	Card reader operate car call (instead of push button)	O
Human Machine Interface	61	Door close button	S
	62	Door open button	S
	63	Car call cancellation (by double press)	S
	64	Landing indicator of dot-matrix (red)	S
	65	Car indicator of dot-matrix (red)	S
	66	Landing indicator of 4.3'' blue-white segment LCD	O
	67	Car indicator of 5.7" blue-white segment LCD	O
	68	Car arrival charm	O
	69	Landing arrival charm	O
	70	Speech synthesis service	O
	71	Second COP (excl. car attendant and intercom)	O
	72	COP for disabled persons (no indicator, braille push buttons as standard)	O
	73	Door keeping open button (door hold function)	O
	74	Out of service display	O
	75	Full-load display	O
	76	Visitor function	O
	77	Call button jammed detection	O
Monitoring and Tele-service	78	Intercom system	S
	79	Six party intercom system (double monitoring room)	O
	80	Traveling cable (incl. video transmission function)	O
	81	BAS interface function (dry contactor signal)	O
	82	Color video camera (in car)	O
	83	Supervision panel (cable by other, cable length≤150m)	O
	84	Build automation interfacing (RS232, MM-B board)	O
	85	Build automation interfacing (RS485, MM-B board)	O
	86	Lift monitoring system (excl. computer & printer)	O
Group / Duplex Control	87	Group control (max 8 units)	O
	88	Continued group/duplex operation in case of failure of the other elevator	O
	89	Taking units out of group (switch)	O

Note: S - Standard O - Option

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Layout (Machineroom-less)

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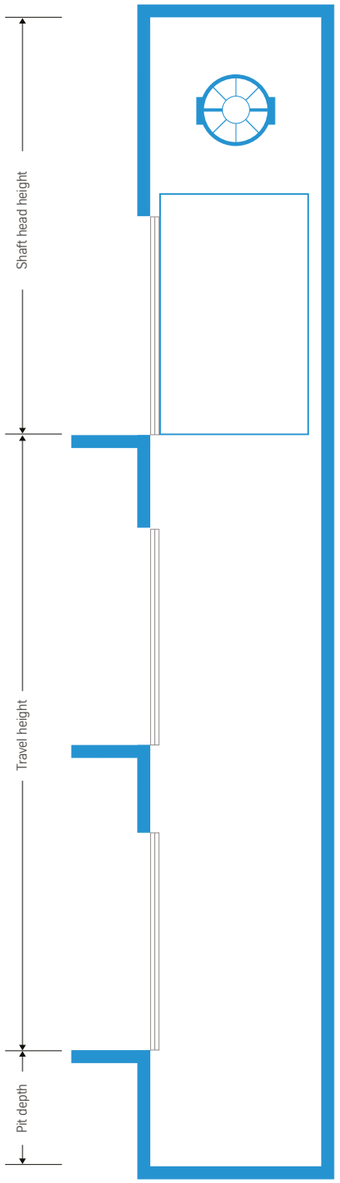
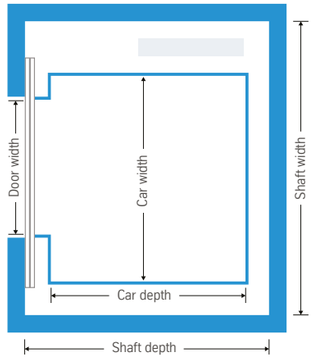
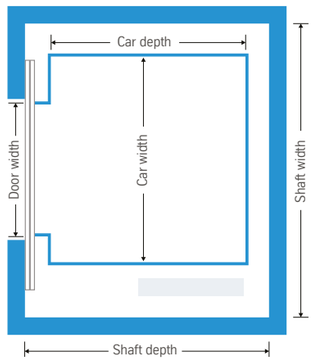
Shaft vertical section



Lift plan





enta100 (EN code)

Technical specifications (Machineroom-less)

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320	0.5	30	10	700 x 2100	850 x 1100 x 2200	1600 x 1500
	1.0	45	15			
350*	0.5	30	10	700 x 2100	850 x 1100 x 2200	1500 x 1550
	1.0	45	15			
400	0.5	30	10	700 x 2100	1000 x 1100 x 2200	1650 x 1500
	1.0	45	15			
450	0.5	30	10	800 x 2100	1100 x 1100 x 2200	1750 x 1500
	1.0	45	15			
540	0.5	30	10	800 x 2100	1100 x 1200 x 2200	1750 x 1550
	1.0	45	15			
630	0.5	30	10	800 x 2100	1100 x 1400 x 2200	1750 x 1750
	1.0	45	15			

* Side opening door only

Rated Speed (m/s)	Min. Overhead Height (mm)	Min. Pit Depth (mm)
	320-630kg	320-630kg
0.5	3500	1200
1.0	3500	1200

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