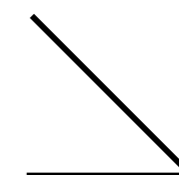


enta300  
TAKING A  
UNIQUE  
PERSPECTIVE

TK ELEVATOR  
MOVES PEOPLE -  
THE FUTURE OF  
URBAN MOBILITY





# enta300 taking a unique perspective

A heavy-duty machineroom-less elevator for low to mid-rise applications which demand high-performance, enta300 is the solution for infrastructure projects and multi-purpose buildings.



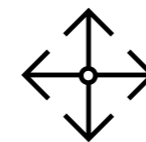
## Realizes your vision

Combining German elevator engineering excellence with innovative design and flexibility, enta300 delivers the unique vision you have for your project.



## Tailored to your needs

Whether by integrating intelligent management systems for your building or enhancing each passenger journey with infotainment, safety and security features, enta300 is the passenger transportation solution that your project needs.



## Gives a unique perspective

Demanding projects need outstanding design solutions, so enta300 gives designers the freedom to customize and meet your unique challenges.

### DESIGNED FOR

- Infrastructure
- Shopping malls
- Stadiums
- Museums
- Hotels
- Hospitals
- Offices

### SPECIFICATIONS

- Max. travel height:  $\leq 110\text{m}$
- Max. number of floors:  $\leq 38$
- Rated load: 450kg - 2,000kg
- Rated speed:  $\leq 2.0\text{m/s}$



enta300  
TAKING  
A UNIQUE  
PERSPECTIVE



## Realizes your vision

### Specified to enhance high-traffic buildings

Designed to accommodate the diverse demands of the high-traffic market segment, from metro stations, airports and malls, to stadiums and museums; enta300 meets complex customization requirements with peerless technical specifications and German engineering excellence. This heavy-duty flexibility will realize the most demanding visions.

### Renowned German engineering

Founded on a long history of German engineering quality and innovation, over the years TK Elevator has grown into one of the world's leading elevator companies. Driven to address the diverse challenges of urbanization, we have pioneered unique technologies including many 'industry first' products such as our TWIN and MULTI concepts.

To meet the needs of heavy-duty applications, enta300 continues the TK Elevator tradition of engineering excellence.



## Tailored to your needs

enta300's innovative intelligent systems mean that your elevator operations can be tailored to meet the ever-changing needs of your building. While passenger journeys are enhanced by attractive features and clearly presented information.



### Optimize building operations

Monitor, control and schedule units from anywhere and at any time using INSIGHT, our web-enabled management solution. With additional features ranging from live video to in-depth performance analysis reporting, INSIGHT enables building management to keep on top of elevator operations, wherever they are located.

### Enrich the passenger experience

In-car screens clearly display elevator status and are programmable to present audio visual messages, infotainment and content to entertain and inform passengers.

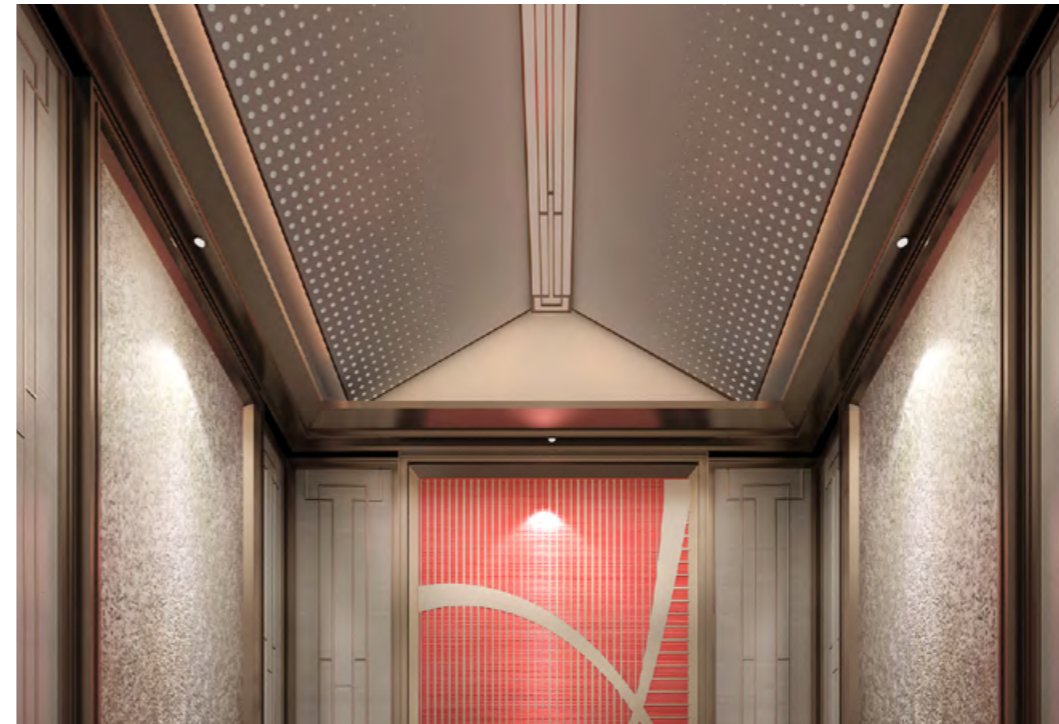


Gives a unique perspective

Customized designs beyond trends

Engineered to allow a high decoration weight, each car has the capacity to be configured to fit the needs and uses of a wide range of buildings, while always providing a comfortable ride and unique passenger experience.

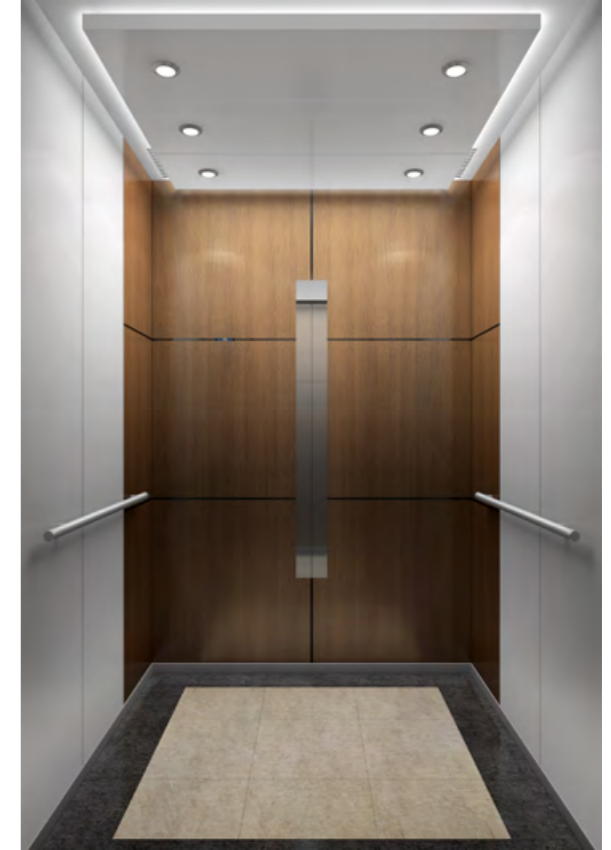
Fully customizable for heavy-duty and infrastructural projects requiring the most robust and durable cabin designs; or for special architectural applications, enta300 offers endless cabin design possibilities.



**VARIETY**  
OF CHOICE

**STRONG**  
PARTNER

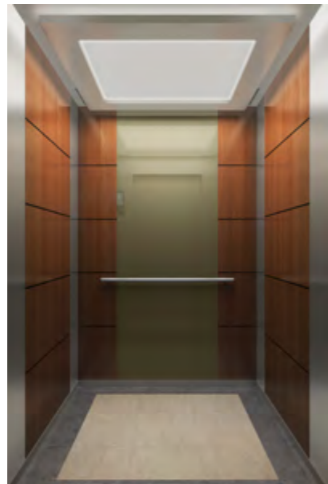
**NEAT**  
CABIN BUILT



### Countless cabin designs

Turn your enta300 elevators into a focal point of your project or let them integrate seamlessly into the architectural environment.

Be inspired by these design trends, curated by our team – but please don't let them limit you!





# REFERENCE PROJECTS



1



2



3



4



5



6

- 1 Sunrise Kempinski Hotel, Beijing, China
- 2 Shenzhen Hilton Hotel, Shenzhen, China
- 3 Anhui Medical University First Affiliated Hospital, Hefei, China
- 4 Hangzhou Metro Line 4, Hangzhou, China
- 5 Times Square, Mumbai, Maharashtra, India
- 6 City International Hospital, Ho Chi Minh City, Vietnam

# YOUR INNOVATION PARTNER

elevators and escalators in service

countries serviced

1,200,000 100+

employees

50,000+

service available for customers

locations

24/7 1,000+

service technicians

24,000+



[WWW.TKELEVATOR.COM](http://WWW.TKELEVATOR.COM)

## FUNCTION LIST (MACHINEROOM-LESS)

CATEGORY	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	Door nudging	O
Safety and Emergency Functions	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	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 overheat 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 (including sensors)	O

## FUNCTION LIST (MACHINEROOM-LESS)

CATEGORY	NO.	FUNCTION	STANDARD / OPTION
Safety and Emergency Functions	46	Emergency power operation (generated by customer)	O
	47	Top of car emergency exit	O
	48	3D safety curtain	O
Trip Functions	49	Automatic doors	S
	50	Collective fault signal	S
	51	Operation counter (trip and hour)	S
	52	Car priority	S
	53	Through door	O
	54	Selective door (only in through car and second COP case)	O
	55	Fire detector operation (fire alarm sensor by others)	O
	56	Special trip (landing priority) by key switch	O
	57	Blocking of landings (switch/timer)	O
	58	Car reader operation (instead of push button)	O
Human Machine Interface	59	Door close button	S
	60	Door open button	S
	61	Car call cancellation (by double press)	S
	62	Landing indicator of dot-matrix (red)	S
	63	Car indicator of dot-matrix (red)	O
	64	Landing indicator of 4.3" blue-white segment LCD	O
	65	Car indicator of 5.7" blue-white segment LCD	O
	66	Car indicator of 7.6" blue-white segment LCD	S
	67	Car indicator of TFT LCD	O
	68	Car arrival chime	S
Monitoring and Tele-Service	69	Landing arrival chime	O
	70	Speech synthesis service	O
	71	Second COP (excluding car attendant and intercom)	O
	72	COP for disabled persons (no indicator, braille, push button as standard)	O
	73	Contactless card reader	O
	74	Intercom system	S
	75	Travelling cable (including video transmission function)	O
	76	BAS interface function (dry contactor signal)	O
	77	Color video camera (in car)	O
	78	Remote monitor interfacing (excluding MH2 board)	O
Group/Duplex Control	79	Remote monitor interfacing (including MH2 board, without modem)	O
	80	Supervision panel (cable by other, cable length ≤150m)	O
	81	Build automation interfacing (RS232, MM board)	O
	82	Build automation interfacing (RS485, MMC board)	O
	83	Lift monitoring system (excluding computer & printer)	O
	84	Group control (max. 8 units)	O
	85	Automatically allocate lower load elevator to responselanding call in group	O
	86	Continued group/duplex operation in case of failure of the other elevator	O
	87	Peak service function (only for group control)	O
	88	Taking units out of group (timer/switch)	O

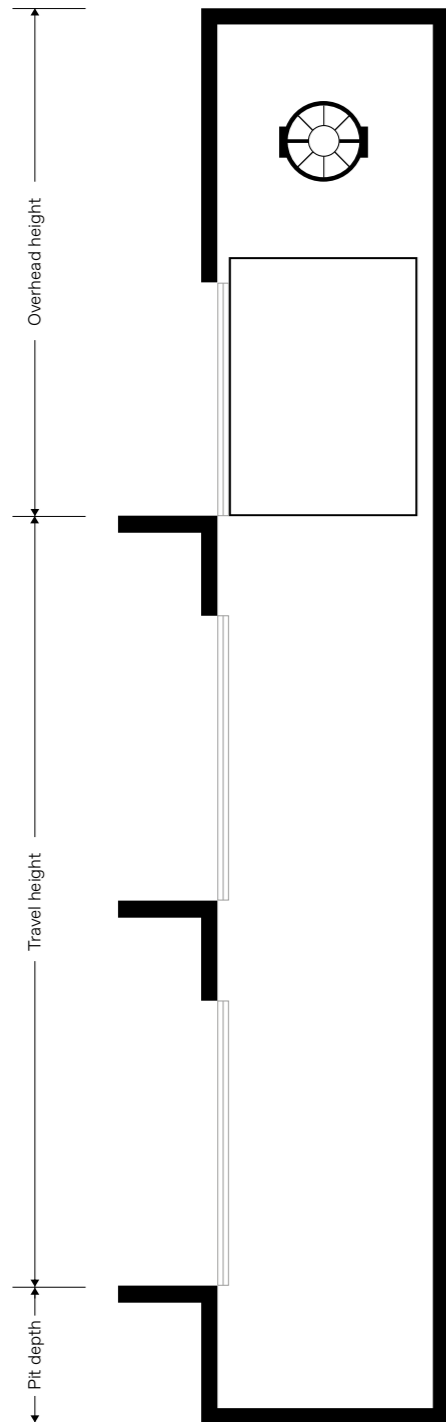
\* S - Standard; O - Option

enta300 (GB CODE)

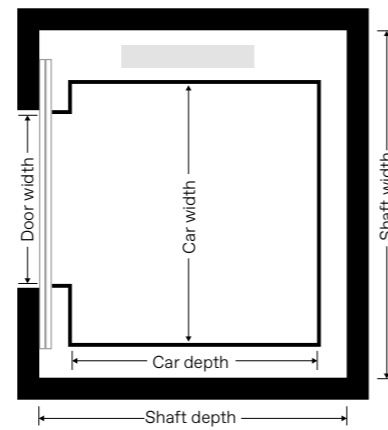
## LAYOUT (MACHINEROOM-LESS)



Shaft vertical section



Shaft plan



enta300 (GB CODE)

## TECHNICAL SPECIFICATIONS (MACHINEROOM-LESS)



RATED LOAD (KG)	RATED SPEED (M/S)	MAX. TRAVEL HEIGHT (M)	MAX. NUMBER OF FLOORS	DOOR SIZE (DW × DH) (MM)	CAR SIZE (CW × CD × CH) (MM)	SHAFT SIZE (SW × SD) (MM)
630	1.0	50	17	800 × 2100	1100 × 1400 × 2400	1825 × 1800
	1.5	75	26			
	1.6	75	26			
	1.75	90	31			
800	1.0	50	17	800 × 2100	1350 × 1400 × 2400	2050 × 1800
	1.5	75	26			
	1.6	75	26			
	1.75	90	31			
1000	1.0	50	17	900 × 2100	1600 × 1400 × 2400	2300 × 1800
	1.5	75	26			
	1.6	75	26			
	1.75	90	31			
1150	1.0	50	17	1100 × 2100	1800 × 1400 × 2400	2600 × 1800
	1.5	75	26			
	1.6	75	26			
	1.75	90	31			
1250	1.0	50	17	1100 × 2100	2000 × 1450 × 2400	2750 × 2050
	1.5	75	26			
	1.6	75	26			
	1.75	90	31			
1350	1.0	50	17	1100 × 2100	2000 × 1550 × 2400	2750 × 2050
	1.5	75	26			
	1.6	75	26			
	1.75	90	31			
1600	1.0	50	17	1100 × 2100	2000 × 1750 × 2400	2750 × 2250
	1.5	75	26			
	1.6	75	26			
	1.75	90	31			
1800	1.0	50	17	1100 × 2100	1950 × 1900 × 2400	2750 × 2350
	1.5	80	26			
	1.6	80	26			
	1.75	90	31			
2000	1.0	50	17	1100 × 2100	2000 × 2000 × 2400	2800 × 2450
	1.5	80	26			
	1.6	80	26			
	1.75	90	31			
	2.0	110	32			

MIN. OVERHEAD HEIGHT & MIN. PIT DEPTH

RATED SPEED (M/S)	MIN. OVERHEAD HEIGHT (MM)					MIN. PIT DEPTH (MM)				
	630KG	800-1150KG	1250-1600KG	1800KG	2000KG	630KG	800-1150KG	1250-1600KG	1800KG	2000KG
1.0	3850 / 4050	3850 / 4050	4200	4350	4350	1200	1200	1550	1800	1850
1.5	4000 / 4150	4000 / 4150	4350	4450	4450	1450	1450	1550	1850	1900
1.6	4000 / 4150	4000 / 4150	4350	4450	4450	1450	1450	1600	1850	1900
1.75	4050 / 4200	4050 / 4200	4450	4500	4500	1550	1550	1750	1900	1950
2.0	/	4250 / 4400	4450	4600	4600	/	1600	1750	1950	2000

Please contact the factory for configurations not listed above.

## FUNCTION LIST (MACHINEROOM-LESS)

CATEGORY	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
	Safety and Emergency Functions	18	Door nudging
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		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 overheat 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		Emergency operation for electrical brake release	S
39		Main COP attendance	S
40		Fireman service	O
41		Door lock bypass function	O
42		Automatic rescue operation	S
43		Earthquake function (sensors by customer)	O
44		Earthquake function (including sensors)	O
45		Emergency power operation (generator by customer)	O

## FUNCTION LIST (MACHINEROOM-LESS)

CATEGORY	NO.	FUNCTION	STANDARD / OPTION
Safety and Emergency Functions	46	Top of car emergency exit	O
	47	Residual current devices function (RCD function)	S
	48	3D safety curtain	O
Trip Functions	49	Automatic doors	S
	50	Collective fault signal	S
	51	Operation counter (trip and hour)	S
	52	Car priority	S
	53	Through door	O
	54	Selective door (only in through car and second COP case)	O
	55	Fire detector operation (fire alarm sensor by others)	O
	56	Special trip (landing priority) by key switch	O
	57	Blocking of landings (switch/timer)	O
	58	Car reader operate car call (instead of push button)	O
Human Machine Interface	59	Door close button	S
	60	Door open button	S
	61	Car call cancellation (by double press)	S
	62	Landing indicator of dot-matrix (red)	S
	63	Car indicator of dot-matrix (red)	O
	64	Landing indicator of 4.3" blue-white segment LCD	O
	65	Car indicator of 5.7" blue-white segment LCD	O
	66	Car indicator of 7.6" blue-white segment LCD	S
	67	Car indicator of TFT LCD	O
	68	Car arrival chime	S
Monitoring and Tele-Service	69	Landing arrival chime	O
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	73	Contactless card reader	O
	74	Intercom system	S
	75	Travelling cable (including video transmission function)	O
	76	BAS interface function (dry contactor signal)	O
	77	Color video camera (in car)	O
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	84	Group control (max. 8 units)	O
	85	Automatically allocate lower load elevator to responselanding call in group	O
	86	Continued group/duplex operation in case of failure of the other elevator	O
	87	Peak service function (only for group control)	O
	88	Taking units out of group (timer/switch)	O

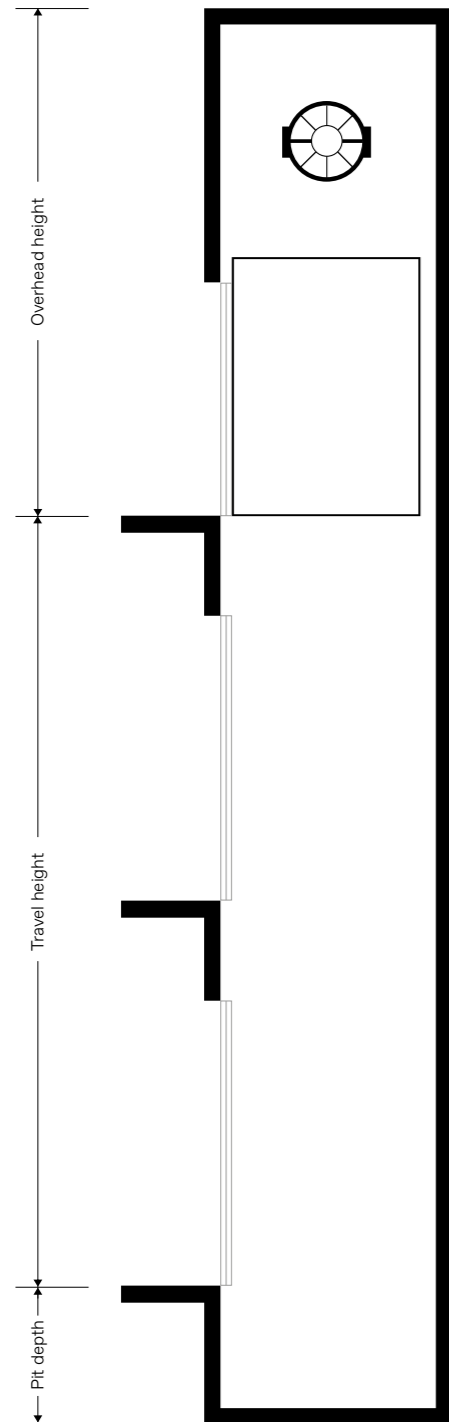
\* S - Standard; O - Option

enta300 (EN CODE)

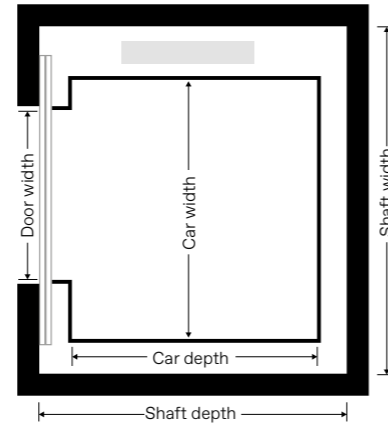
## LAYOUT (MACHINEROOM-LESS)



Shaft vertical section



Shaft plan



enta300 (EN CODE)

## TECHNICAL SPECIFICATIONS (MACHINEROOM-LESS)



RATED LOAD (KG)	RATED SPEED (M/S)	MAX. TRAVEL HEIGHT (M)	MAX. NUMBER OF FLOORS	DOOR SIZE (DW × DH) (MM)	CAR SIZE (CW × CD × CH) (MM)	SHAFT SIZE (SW × SD) (MM)
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	1.6	75	26			
	1.75	90	31			
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	1.6	75	26			
	1.75	90	31			
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	1.5	75	26			
	1.6	75	26			
	1.75	90	31			
1350	1.0	50	17	1100 × 2100	2000 × 1550 × 2400	2750 × 2050
	1.5	75	26			
	1.6	75	26			
	1.75	90	31			
1600	1.0	50	17	1100 × 2100	2000 × 1750 × 2400	2750 × 2250
	1.5	75	26			
	1.6	75	26			
	1.75	90	31			
1800	1.0	50	17	1100 × 2100	1950 × 1900 × 2400	2750 × 2350
	1.5	80	26			
	1.6	80	26			
	1.75	90	31			
2000	1.0	50	17	1100 × 2100	2000 × 2000 × 2400	2800 × 2450
	1.5	80	26			
	1.6	80	26			
	1.75	90	31			
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1.5	4000 / 4150	4000 / 4150	4350	4450	4450	1450	1450	1550	1850	1900
1.6	4000 / 4150	4000 / 4150	4350	4450	4450	1450	1450	1600	1850	1900
1.75	4050 / 4200	4050 / 4200	4450	4500	4500	1550	1550	1750	1900	1950
2.0	/	4250 / 4400	4450	4600	4600	/	1600	1750	1950	2000

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