

enta villa

Elegant travel
at home

ABOUT TK ELEVATOR

We are elevator people. Striving to move the world. Known for a passion for technology with service at the heart at our business.

Over the past decades, TK Elevator has established itself as one of the world's leading elevator companies and became independent after its sale by thyssenkrupp AG in August 2020. To our customers in over 100 countries we provide an extensive service network that guarantees close proximity, with over 1,000 locations and more than 50,000 employees.

TK Elevator's most important business line is our manufacturer-independent service for mobility solutions represented by over 25,000 service technicians.

Our new installation product portfolio ranges from commodity elevators for residential and commercial buildings to cutting-edge, highly customised solutions for state-of-the-art skyscrapers. What's more, it also consists of escalators and moving walks, passenger boarding bridges, stair and platform lifts. Integrated cloud-based service solutions, such as the MAX platform, are gaining in importance. These digital offerings mean there are no longer any limits to urban mobility.

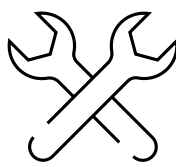




>50,000
employees



~1,000
sales- and
service
locations



Customers in
>100
countries



Sales of
>€8 billion





enta villa

Elegant travel at home

Compact and space saving, enta villa is a home elevator perfect for multi-floor houses and villas. It includes a wide range of premium features found in commercial building applications and combines precision German engineering with clever space utilization, efficiency, comfort and style.



Designed for ideal home

German precision engineering combines comfort and safety.



Versatile technology maximizes space

Compact and efficient for more room and harmonious living.



Provides a stylish experience

Sleek, modern car designs match with the latest interior trends.

DESIGNED FOR

- multi-floor houses and villas

SPECIFICATIONS

- Max. travel height: 18m (Concrete shaft)
- Max. travel height: 9m (Aluminium frame)
- Max. number of floors: 6 (Concrete shaft)
- Max. number of floors: 4 (Aluminium frame)
- Rated load: 320-400kg
- Rated speed: 0.4m/s
- Power supply: Single phase, AC 220V



Designed for ideal home

Market-leading innovations and German precision engineering add value to your home. Every enta villa combines comfort and safety with luxurious living.

Simple sophistication

enta villa is made to fit seamlessly into your home. It takes up less space by not needing an extra room for elevator machinery and it even runs on your normal domestic single phase electricity supply, using about as much power as a washing machine. So no complex wiring is needed - and it saves energy too.



Strict design criteria

Designed, tested and manufactured to TK Elevator's stringent standards. These are higher than those for typical residential applications - for family safety with style.



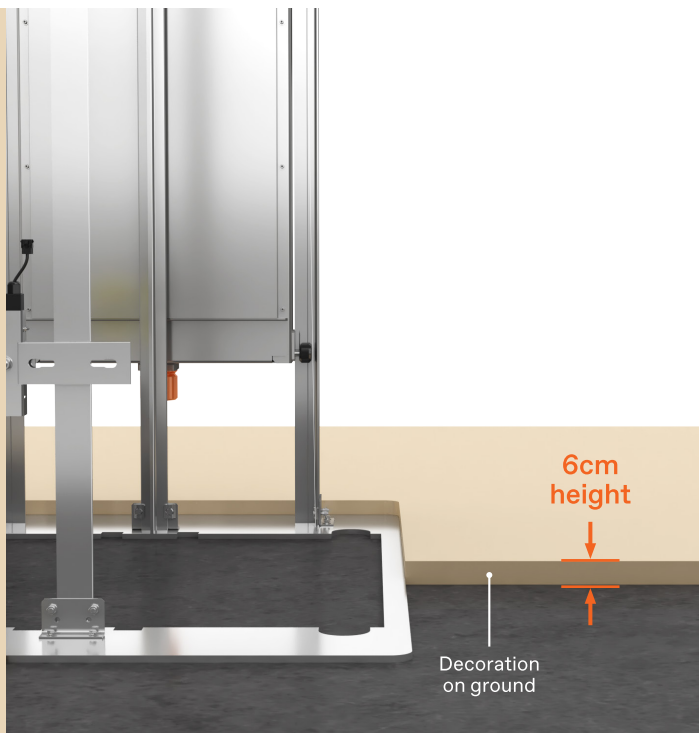
Family safety foremost

ARD (Automatic Rescue Device) activates if there's a power cut in your home and sends the elevator to the nearest floor to release passengers straight away, totally stress free.

Passengers can initiate an immediate call for assistance by pressing the emergency call button. This action activates an automatic system that connects them to the appropriate emergency services.

Versatile technology maximizes space

By using many advanced features common to our commercial passenger elevators, enta villa will move you around your home with quiet efficiency.



Low-pit design

The minimum pit requirement* of 6cm ensures that the elevator entrance will be level with your home's floor finishes.

This also means little or no digging and faster, simple installation.

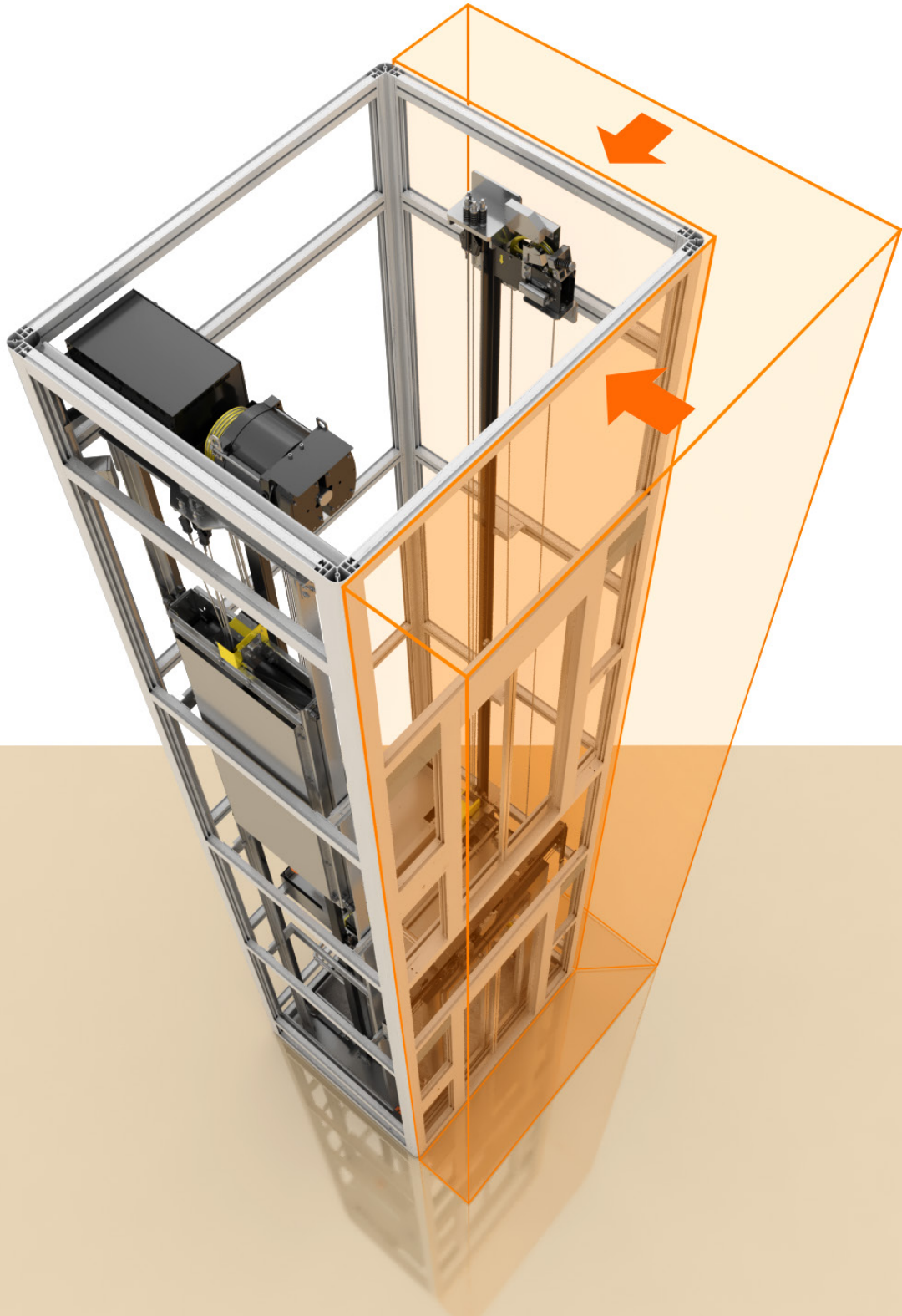
Durable and comfortable

Just like our commercial elevators, enta villa uses counterweights and cars with solid guide rails and roller guide shoes to ensure smooth and quiet travel. Their oil free operation avoids the grease and dirt traps of traditional lubrication to keep your home clean and tidy.



Small shaft, more space

Efficient space utilization in the shaft releases more household space.



└ Hassle-free and easy installation





Aluminium frame

Installing an elevator at home is not as complicated as you think. With our elegant engineering, the new aluminium frame is easy to install, allowing placement of the elevator to be adapted to your needs. It dispenses with the requirement to build a concrete walled shaft and no civil work is needed, all of which saves time and cost. Giving you more flexibility in designing your home space.

Original design by TKE, available as an option for enta villa with four different colour options.

Provides a stylish experience

A range of trend-based cabin interiors and fixtures to match every home style.



Designs to match your home

Complement your home's interior design with enta villa's range of seven stylish cabins, each one designed to emphasize your commitment to style. We offer a range of quality finishes for a premium look. Plus a wide range of fixtures to complete your elevator in harmony with your home.

Harmonious lighting

Soft lighting creates a relaxed and pleasant atmosphere, while maintaining a comfortable color temperature below 4000K - ideal for the cozy, soft and ambient glow that suits home applications best.

PANORAMA

Perfectly complements the quality of your home,
adding style and a superior visual experience.



PANO S-1

Ceiling
PL01

Rear wall
Glass + Hairline finish stainless steel 304 frame

Side wall
Glass + Hairline finish stainless steel 304

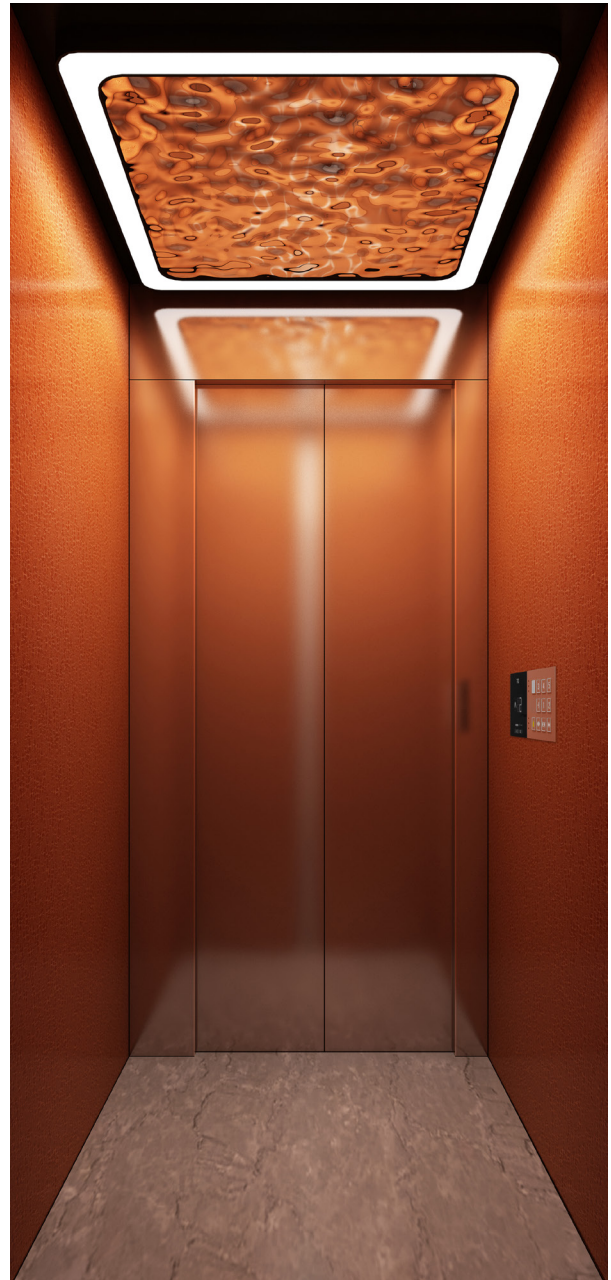
Front wall
Hairline finish stainless steel 304

Car door / Landing door
Hairline finish stainless steel 304

Floor
PVC CFL010

STYLISH

Stylish interior design with a touch of luxury.



ST-1V

Ceiling
S1-C5

Rear wall
Powder coating RAL2008 with white primer ice orange pattern
+ Powder coating RAL9003

Side wall
Powder coating RAL2008 with white primer ice orange pattern

Front wall
Hairline finish stainless steel with bronze coating

Car door / Landing door
Hairline finish stainless steel with bronze coating

Floor
Piano concerto



OL-2V

Ceiling
S2-C2

Rear wall
Mirror finish stainless steel with titanium gold coating P036

Side wall
Mirror finish stainless steel with titanium gold coating P036
+ Film on metal - white marble pattern FS01



Front wall
Vibratory finish stainless steel with titanium gold coating

Car door / Landing door
Vibratory finish stainless steel with titanium gold coating

Floor
Baroque

HERITAGE REFINED

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



HR-2V

Ceiling
S4-C1

Rear wall
UV printing - Landscape painting UV-P02

Side wall
Mirror finish stainless steel +
Film on metal - ebony pattern FW01

Front wall
Mirror finish stainless steel

Car door / Landing door
Mirror finish stainless steel

Floor
Chinese porch window



HR-31V

Ceiling
PL01

Rear wall
Film on metal - ebony pattern FW01 and oak pattern FW08

Side wall
Sandblast finish stainless steel with champagne gold coating + Film on metal - ebony pattern FW01



Front wall
Sandblast finish stainless steel with champagne gold coating

Car door / Landing door
Sandblast finish stainless steel with champagne gold coating

Floor
Acrobatic etude + Storm

CONTEMPORARY

Minimalistic interior design,
influenced by local taste.



CT-1V

Ceiling
S3-C1

Rear wall
Mirror finish stainless steel with black titanium coating +
Sandblast finish stainless steel

Side wall
Mirror finish stainless steel with black titanium coating +
Film on metal - oak pattern FW08

Front wall
Sandblast finish stainless steel with black titanium coating

Car door / Landing door
Sandblast finish stainless steel with black titanium coating

Floor
Symphonic poem prelude

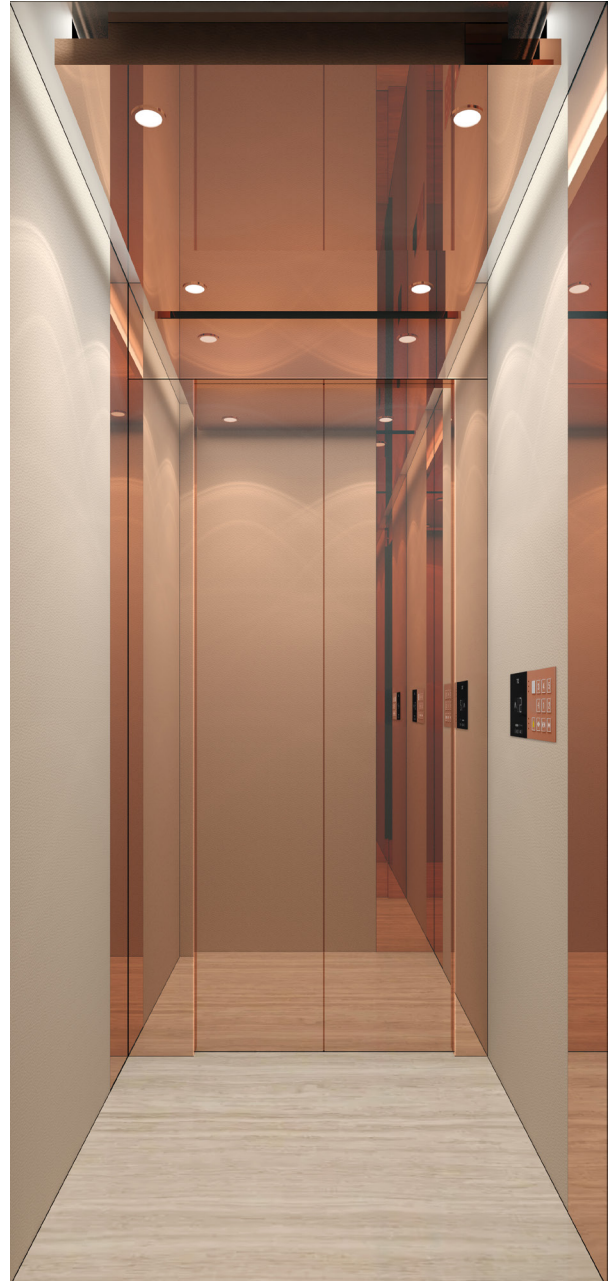


CT-2V

Ceiling
S1-C7

Rear wall
Mirror finish stainless steel with bronze coating +
Film on metal - Leather grain lichee FLO3

Side wall
Mirror finish stainless steel with bronze coating +
Film on metal - Leather grain lichee FLO3

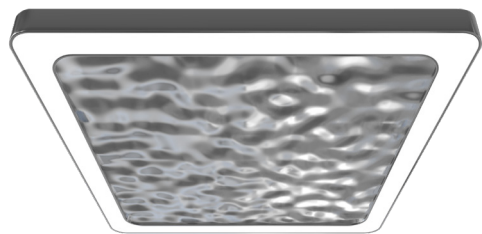


Front wall
Mirror finish stainless steel with bronze coating

Car door / Landing door
Mirror finish stainless steel with bronze coating

Floor
Oserova

CEILING



S1-C5*



S2-C2*



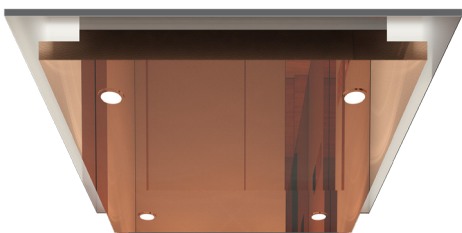
S4-C1*



PL01*



S3-C1*



S1-C7*



PL01*
(for PANO S-1 only)

HANDRAIL



TSF01
Round handrail - Hairline finish stainless steel



TRH01
Round handrail - Transparent acrylic and hairline finish stainless steel



TFH01
Flat handrail - Transparent acrylic

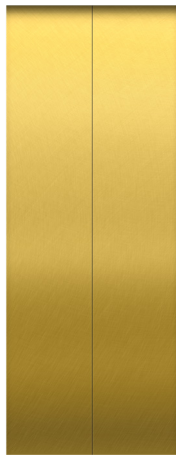
LANDING DOOR



Hairline finish stainless steel



Hairline finish stainless steel with bronze coating



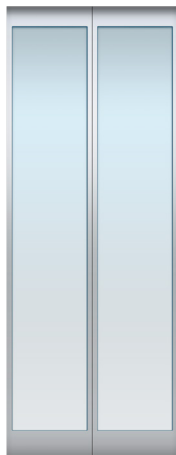
Vibratory finish stainless steel with titanium gold coating



Mirror finish stainless steel with bronze coating



Mirror finish stainless steel



Glass



Powder coating RAL9001



Sandblast finish stainless steel with champagne gold coating



Sandblast finish stainless steel with black titanium coating

FIXTURES

Choose from premium fixtures to highlight the style and colors of your home.

COP

Model	CV4D-A32M
Display	White LED
Faceplate	1. Hairline finish stainless steel
Faceplate (options)	2. Hairline finish stainless steel gold titanium coating 3. Hairline finish stainless steel champagne gold coating 4. Hairline finish stainless steel bronze coating 5. Hairline finish stainless steel black titanium coating
Button (braille is available)	 MT42 Square button, white light
	 AN180 (option) Round button, white light



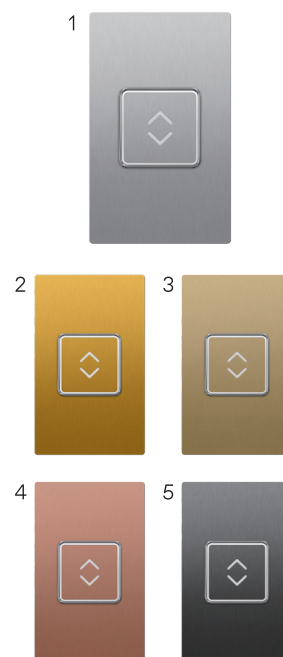
COP

Model	CV4E-A32M
Display	White LED
Faceplate	1. Hairline finish stainless steel
Faceplate (options)	2. Hairline finish stainless steel gold titanium coating 3. Hairline finish stainless steel champagne gold coating 4. Hairline finish stainless steel bronze coating 5. Hairline finish stainless steel black titanium coating
Button (braille is available)	 MT42 Square button, white light
	 AN180 (option) Round button, white light



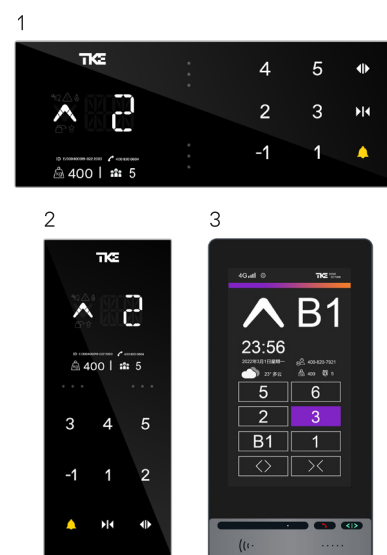
LOP

Model	LB5D-A3
Display	White LED
Faceplate	1. Hairline finish stainless steel
Faceplate (options)	2. Hairline finish stainless steel gold titanium coating 3. Hairline finish stainless steel champagne gold coating 4. Hairline finish stainless steel bronze coating 5. Hairline finish stainless steel black titanium coating
Button (braille is available)	 MT42 Square button, white light
	 AN180 (option) Round button, white light



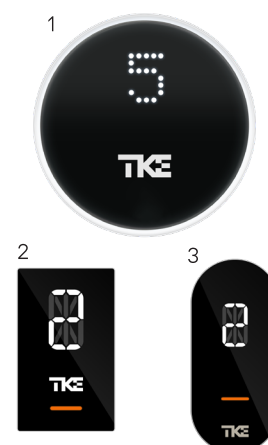
Touch screen COP

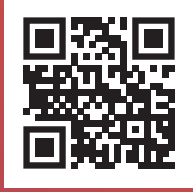
Model	1. CV4F-2M 2. CV4G-2M
Display	White segment LED
Faceplate	Tempered glass
Button	Touch
Model	3. CV4H-8
Display	Colour
Faceplate	Aluminum frame + tempered glass
Button	TFT



Touch screen LIOP

Model	1. LS5H-1K 2. LS5F-6 3. LS5G-6
Display	1. White matrix 2. White segment LED 3. White segment LED
Faceplate	Tempered glass
Button	Touch





www.tkelevator.com

FUNCTION LIST (MACHINEROOM-LESS)

CATEGORY	NO.	FUNCTION	STANDARD / OPTION
Enhanced Car Functions	1	Opening door at the current 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	Adjustable waiting time for opening door	S
	7	Energy saving operation for car light and fan	S
	8	Elevator start-up loading weighting compensation function	S
	9	Changing main landing	O
	10	Main landing return	O
	11	Ajustable time for main landing return	O
	12	Leveling accuracy adjustment	S
	13	Absolute positioning	O
Safety and Emergency Functions	14	Landing to the nearest floor in case of problem (eg. overtemperature of motor, car position missing)	S
	15	Emergency car lighting	S
	16	Overload protect	S
	17	Repeat door closing in the event of lock failure	S
	18	Door overload protect (with car door)	S
	19	Safety curtain for door	S
	20	Parking (Stop using the elevator)	O
	21	Emergency electrical operation	S
	22	Inspection operation	S
	23	Traction machine over temperature supervision	S
	24	Traction machine skidding protection	S
	25	Door operator temperature protection (with car door)	S
	26	Restrict the opening of the car door inside the car (with car door)	S
	27	Brake torque detection function	S
	28	Door lock safety device failure detection	O
	29	Emergency operation for electrical brake release	S
	30	Automatic rescue operation	S
	31	Earthquake function (sensors by customer)	O
	32	Protection against terminal runby	S
	33	Protection against safety circuit fault	S
	34	Overspeed protection	S
	35	Low speed protection	S
	36	Remote test of overspeed governor	S
	37	Electromagnetic braking function	S
	38	Automatic fault rescue	S
	39	Protection against door-opening outside door zone	S
	40	Pit maintenance operation function input (without maintenance box)	NA
	41	Pit maintenance operation function input (with maintenance box)	S
Trip Functions	42	Operation counter (trip and hour)	S

S - Standard; O - Option; NA - Not applicable

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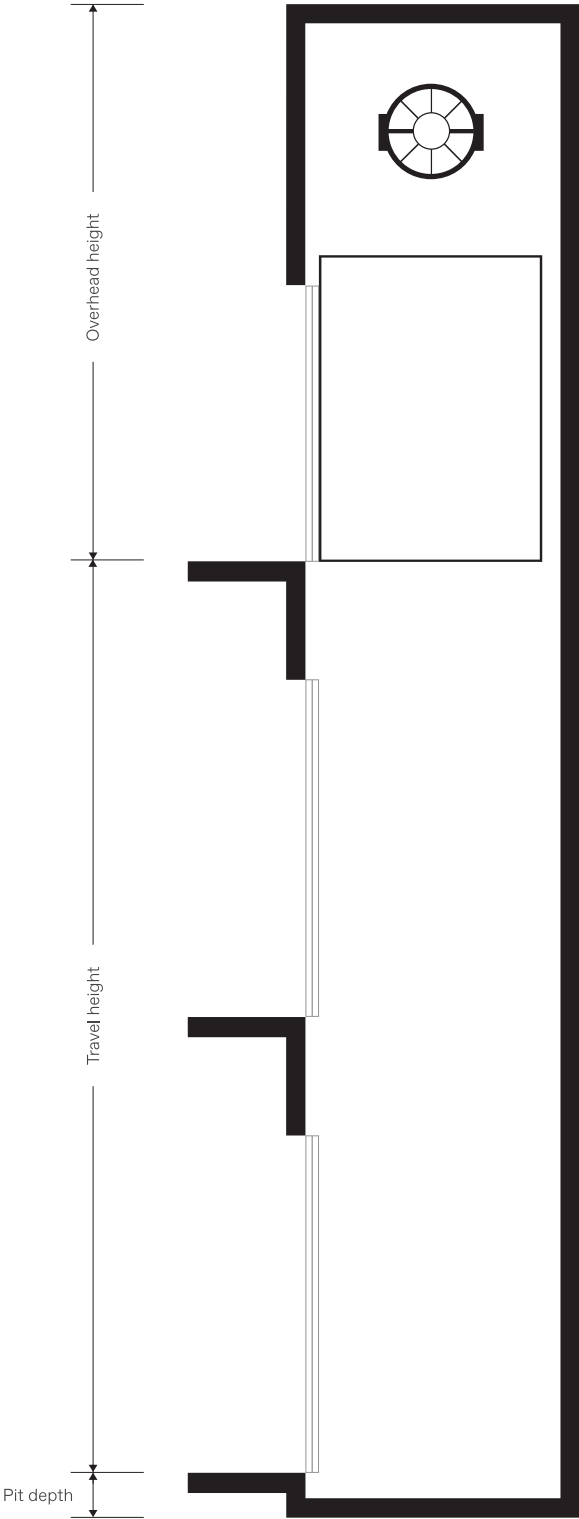
FUNCTION LIST (MACHINEROOM-LESS)

CATEGORY	NO.	FUNCTION	STANDARD / OPTION
Human Machine Interface	43	Door close button	S
	44	Door open button	S
	45	Car call cancellation (by double press)	S
	46	Car indicator of LED (white)	S
	47	Setting of landing display character	O
	48	Client APP (standard Ver.)	NA
	49	COP for disabled persons (only braille push buttons)	O
	50	LOP for disabled persons (only braille push buttons)	O
	51	Door hold button	O
	52	Call button jammed detection	O
Monitoring and Tele-service	53	Emergency call	S

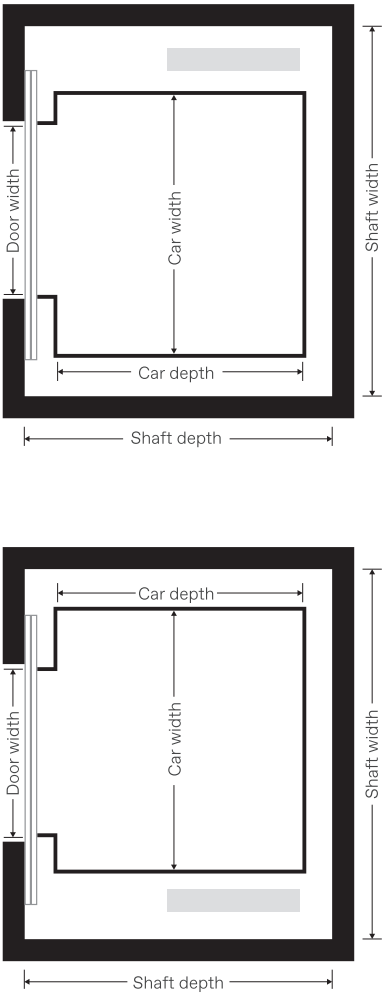
S - Standard; O - Option; NA - Not applicable

enta villa
LAYOUT (MACHINEROOM-LESS)

Shaft vertical section



Lift plan



TECHNICAL SPECIFICATIONS (MACHINEROOM-LESS)

BASIC PARAMETER

RATED LOAD (KG)	RATED SPEED (M/S)	MAX. TRAVEL HEIGHT (M)	MAX. NUMBER OF FLOORS	MIN. PIT DEPTH (MM)	SHAFT TYPE
320	0.4	18	6	60 / 165*	Concrete
400	0.4	18	6	60 / 165*	Concrete
320	0.4	9	4	60 / 165*	Aluminium frame
400	0.4	9	4	60 / 165*	Aluminium frame

*Compliant to EN81-41

CAR / SHAFT SIZE

RATED LOAD (KG)	CAR SIZE (CW X CD) (MM)	DOOR OPENING	DOOR WIDTH (MM)	SHAFT SIZE (SW X SD) (MM)	SHAFT TYPE
320	900 × 1100	Centre opening (metal door)	700	1580 × 1400	Concrete
		Centre opening (glass door)		1680 × 1400	
		Side opening (metal door)		1450 × 1480	Aluminium frame
		Centre opening (glass door)		1680 × 1400	
		Side opening (metal door)		1500 × 1480	
400	1100 × 1100	Centre opening (metal door)	800	1750 × 1400	Concrete
		Centre opening (glass door)		1780 × 1400	
		Side opening (metal door)		1650 × 1480	Aluminium frame
		Centre opening (glass door)		1800 × 1400	
		Side opening (metal door)		1700 × 1480	
	950 × 1100	Side opening (metal door)	700 / 800	1500 × 1500	Concrete

Minimum shaft size is measured based on the concrete shaft. If the shaft material is different or technical specification is out of standard scope, please contact TK Elevator representative.

OVERHEAD SIZE

STANDARD OVERHEAD HEIGHT (MM)	CAR HEIGHT (MM)	DOOR HEIGHT (MM)
2750 / 2900*	2100	2000
2850 / 3000*	2200	2100
2950 / 3100*	2300	2100
3050 / 3200*	2400	2100

*Compliant to EN81-41