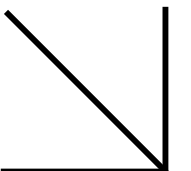


meta100
BRINGS EXTRA
TO YOUR
BUILDING

TK ELEVATOR
MOVES PEOPLE -
THE FUTURE OF
URBAN MOBILITY





meta100 brings extra to your building

meta100 is a value-for-money solution targeting mid-rise buildings in the residential segment, combining reduced construction costs and fast installation. With its reliable engineering and stylish car designs, meta100 provides peace of mind and brightens up spaces. As a result, meta100 brings extra to your building.



Makes business sense

Reduced construction time means reduced construction costs and faster handover of asset.
The smart, value-for-money choice.



Gives peace of mind

TK Elevator engineering standards mean trusted reliability.



Brightens up your building

Stylish car interiors designed to make your building stand out.

DESIGNED FOR

- Residential mid-rise building

SPECIFICATIONS

- Max. travel height: ≤110m
- Max. number of floors: ≤32
- Rated load: 630kg – 1150kg
- Rated speed: 1.0 – 2.0m/s

Makes business sense

meta100 is our practical, value-for-money mid-rise elevator designed to reduce construction costs and increase revenue.



Finish your project in no time

Pre-assembled components plus a scaffold-free set up make installation safer and quicker.

Reduce construction cost

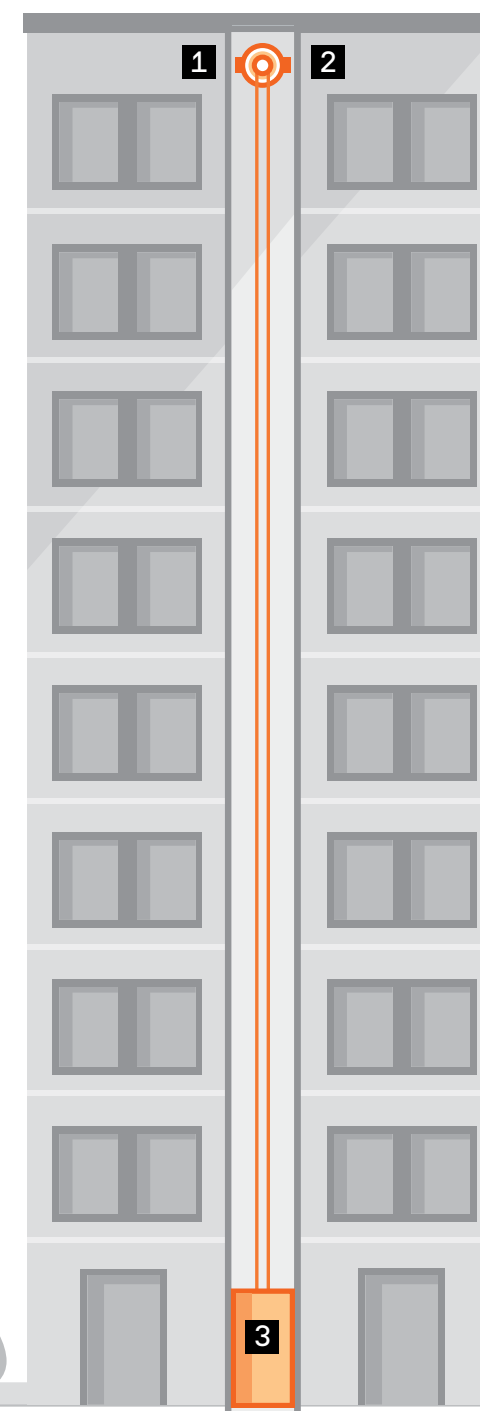
Our bottom suspension system reduces shaft overhead size and overall building height.

Maximise your revenue

Compact shaft dimensions give increased rentable floor space. A faster completion time hastens occupation and revenue from tenants.

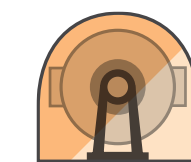
Gives peace of mind

Trusted TK Elevator engineering and stringent German design criteria deliver excellent reliability.



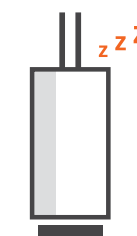
1 Trusted brake technology

2 safety switches automatically stop and report when brake and brake air gap exceed specified values. Reduces the need for unscheduled servicing.



2 Longevity of elements

Self lubricating, covered brake system for longer service life.



3 Optimal energy consumption

Standby mode reduces power consumption and improves energy efficiency.

Brightens up your building

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



Fixtures

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

Accessories

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



Trends

Each of our cabins is crafted by our design team to enhance your building with complementary colors and finishes.









STYLISH







Stylish interior design with a touch of luxury.



1 OCEAN

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

2 COPPER

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







COP
Black

HERITAGE REFINED

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



1 LIGHT WOOD

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

2 DARK WOOD

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

COP
White

CONTEMPORARY

Minimalistic interior design,
influenced by local taste.



1 SKY

Ceiling RAL 7035	Side Wall RAL 5024	Rear Wall Hairline stainless steel	Front Wall Hairline stainless steel	Door Hairline stainless steel
Floor H260				

2 MIRROR

Ceiling RAL 7035	Side Wall Hairline stainless steel	Rear Wall Hairline + mirror stainless steel	Front Wall Hairline stainless steel	Door Hairline stainless steel
Floor H260				



COP
Black

NATURAL HOME

A cosy, warm and comfortable interior
setting, created using natural textures.



SPRING

Ceiling RAL 7035	Side Wall Mirabell green	Rear Wall Hairline stainless steel	Front Wall Hairline stainless steel	Door Hairline stainless steel
Floor CFL010				



COP
White

MODERN FRESHNESS

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



1 LIME

Ceiling	RAL 7035	Rear Wall	RAL 9003	Front Wall	RAL 9003	Door	Hairline stainless steel
Side Wall	RAL 9003						
Floor	TF8007						
Ceiling	RAL 7035	Rear Wall	RAL 9003	Front Wall	RAL 9003	Door	Hairline stainless steel
Side Wall	RAL 1015						
Floor	TF8009						



COP
White

TRADITIONAL

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



1 GREY

Ceiling	RAL 7035	Rear Wall	RAL 7035	Front Wall	RAL 7035	Door	RAL 7035
Side Wall	RAL 7035						
Floor	CFL010						
Ceiling	RAL 1015	Rear Wall	RAL 1015	Front Wall	RAL 1015	Door	RAL 1015
Side Wall	RAL 1015						
Floor	CFL010						



COP
Classic

2 IVORY

FIXTURES

User-friendly design for ease of use.



CLASSIC

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



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.

YOUR INNOVATION PARTNER

elevators and escalators in service

1,200,000

countries serviced

100+

employees

50,000+

service available for customers

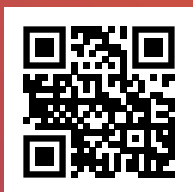
24/7

locations

1,000+

service technicians

24,000+



WWW.TKELEVATOR.COM

meta100 (EN81-20/50)

FUNCTION LIST



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	S
Safety and Emergency Functions	19	Landing to the nearest floor in case of problem (e.g. overheat of motor, 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

meta100 (EN81-20/50)

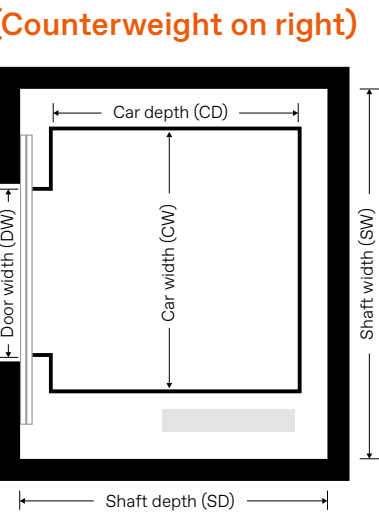
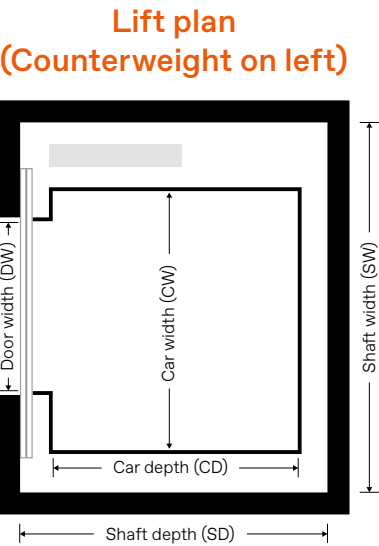
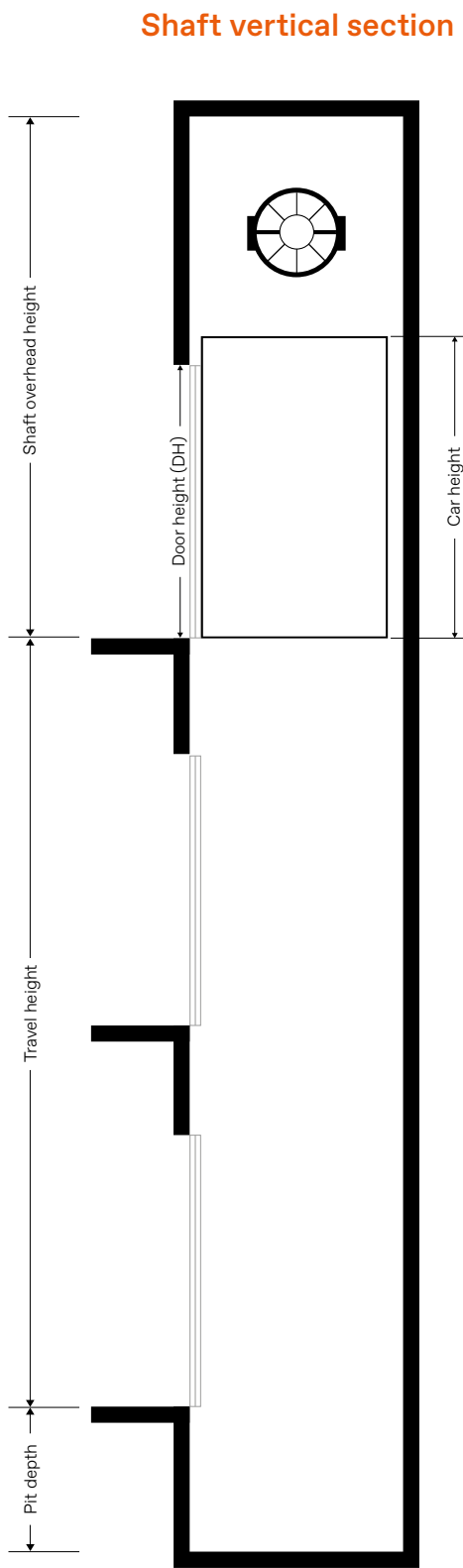
FUNCTION LIST



CATEGORY	NO.	FUNCTION	STANDARD / OPTION
Safety and Emergency Functions	40	Fireman service	O
	41	Door lock bypass function	S
	42	Automatic rescue operation	O
	43	Earthquake function (sensors by customer)	O
	44	Earthquake function (including sensors)	O
	45	Emergency power operation (generator by customer)	O
	46	Top of car emergency exit	S
Trip Functions	47	Residual current devices function (RCD function)	S
	48	Automatic doors	S
	49	Collective fault signal	S
	50	Operation counter (trip and hour)	S
Human Machine Interface	51	Car priority	O
	52	Door close button	S
	53	Door open button	S
	54	Car call cancellation (by double press)	S
	55	Landing indicator of dot-matrix (red)	S
	56	Car indicator of dot-matrix (red)	S
	57	Landing indicator of 4.3" blue-white segment LCD	O
	58	Car indicator of 5.7" blue-white segment LCD	O
	59	Car arrival chime	O
	60	Speech synthesis service	O
	61	Second COP (exclude car attendant and intercom)	S
	62	COP for disabled persons (no indicator, braille push buttons as standard)	S
	63	Intercom system	S
	64	Traveling cable (include video transmission function)	O
	65	BAS interface function (dry contactor signal)	O
Monitoring and Tele-Service	66	Color video camera (in car)	O
	67	Remote monitor interfacing (exclude MH2 board)	O
	68	Remote monitor interfacing (include MH2 board, without modem)	O
	69	Supervision panel (cable by other, cable length≤150m)	O
	70	Build automation interfacing (RS232,MM board)	O
	71	Build automation interfacing (RS485,MMC board)	O
Group/Duplex Control	72	Group control	O
	73	Continued group/duplex operation in case of failure of the other elevator	O
	74	Peak service function (only for group control)	NA
	75	Taking units out of group (timer/switch)	O

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

LAYOUT (MACHINEROOM-LESS)



TECHNICAL SPECIFICATIONS (MACHINEROOM-LESS)



Basic parameters

RATED LOAD (KG)	RATED SPEED (M/S)	MAX. TRAVEL HEIGHT (M)	MAX. NUMBER OF FLOORS
630	1.0	50	18
	1.6	75	26
	1.75	90	31
800	1.0	50	18
	1.6	75	26
	1.75	90	31
1000	2	110	32
	1	50	18
	1.6	75	26
1150	1.75	90	31
	2	110	32
	1.6	75	26

Minimum shaft head height and shaft pit depth

RATED LOAD (KG)	CAR HEIGHT (MM)	RATED SPEED (M/S)	MIN. OVERHEAD HEIGHT (MM)	MIN. PIT DEPTH (MM)
630 - 800	2300	1	4050	1800
		1.6	4200	1900
		1.75	4250	1950
	2200/2400	2	4350	2050
		1	3950/4150	1800
		1.6	4100/4300	1900
1000 - 1150	2300	1.75	4150/4350	1950
		2	4250/4450	2050
		1	4050	1300
	2200/2400	1.6	4200	1450
		1.75	4250	1500
		2	4350	1550

* Standard car height is 2300mm and 2200/2400mm are optional.

Car/Shaft dimensions

RATED LOAD (KG)	CAR SIZE (CW × CD)(MM)	DOOR OPENING	DOOR SIZE (DW × DH)(MM)	MIN. SHAFT SIZE (SW × SD)(MM)
630	1100 × 1400	Centre opening	900 × 2100	1950 × 1800
	1100 × 1400	Side opening		1680 × 1860
800	1100 × 1700	Centre opening	900 × 2100	1950 × 2070
	1100 × 1700	Side opening		1680 × 2120
	1350 × 1400	Centre opening		1950 × 1800
	1350 × 1400	Side opening		1930 × 1860
1000	1100 × 2100	Centre opening	900 × 2100	1950 × 2500
	1600 × 1400	Centre opening		2200 × 1800
	1600 × 1400	Side opening		2180 × 1860
	1600 × 1500	Centre opening		2200 × 1900
1150	1200 × 2100	Centre opening	1000 × 2100	2200 × 2500
	1200 × 2100	Side opening	1000 × 2100	1780 × 2520
	1400 × 1910*	Centre opening	900 × 2100	2000 × 2350
	1400 × 1910*	Centre opening	1000 × 2100	2150 × 2350
	1800 × 1400	Centre opening	1100 × 2100	2400 × 1800
	1800 × 1400	Side opening	1100 × 2100	2380 × 1860

* Complies with NCC 2019 stretcher facility requirements.