meta100

BRINGS EXTRA TO YOUR BUILDING

MOVE BEYOND

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. 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

- Public and private residential mid-rise buildings

SPECIFICATIONS

- Max. travel height: ≤110m
- Max. number of floors: ≤32
- Rated load: 1,150kg
- Rated speed: ≤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

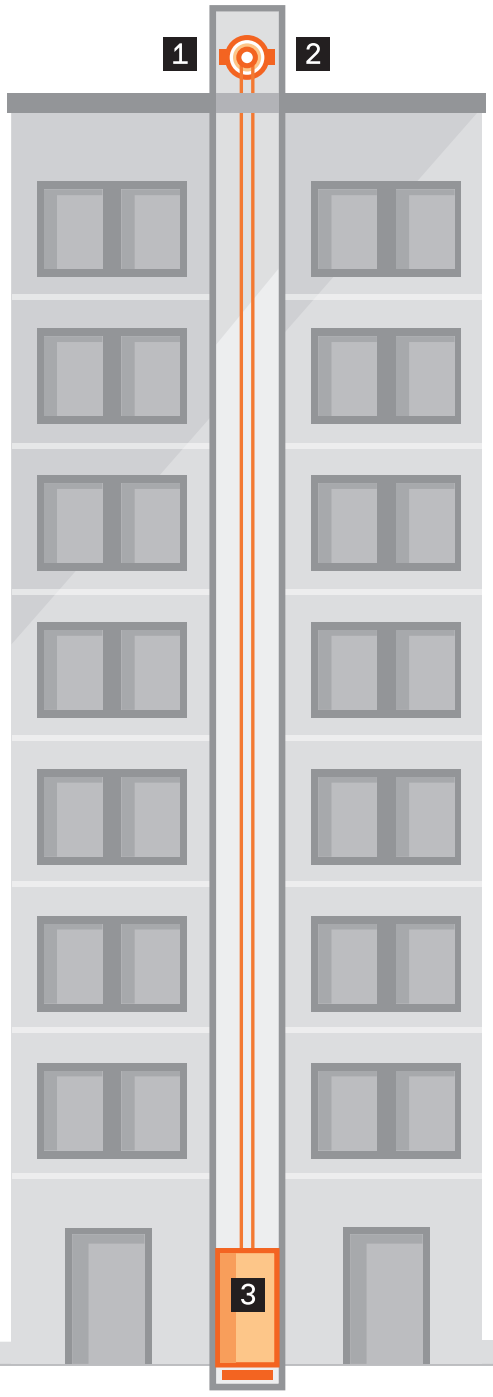
Our bottom suspension system reduces shaft overhead size and overall building height.

Maximise your revenue

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

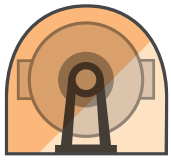
Gives peace of mind

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



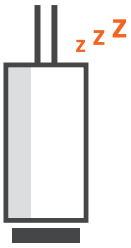
1 Trusted brake technology

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

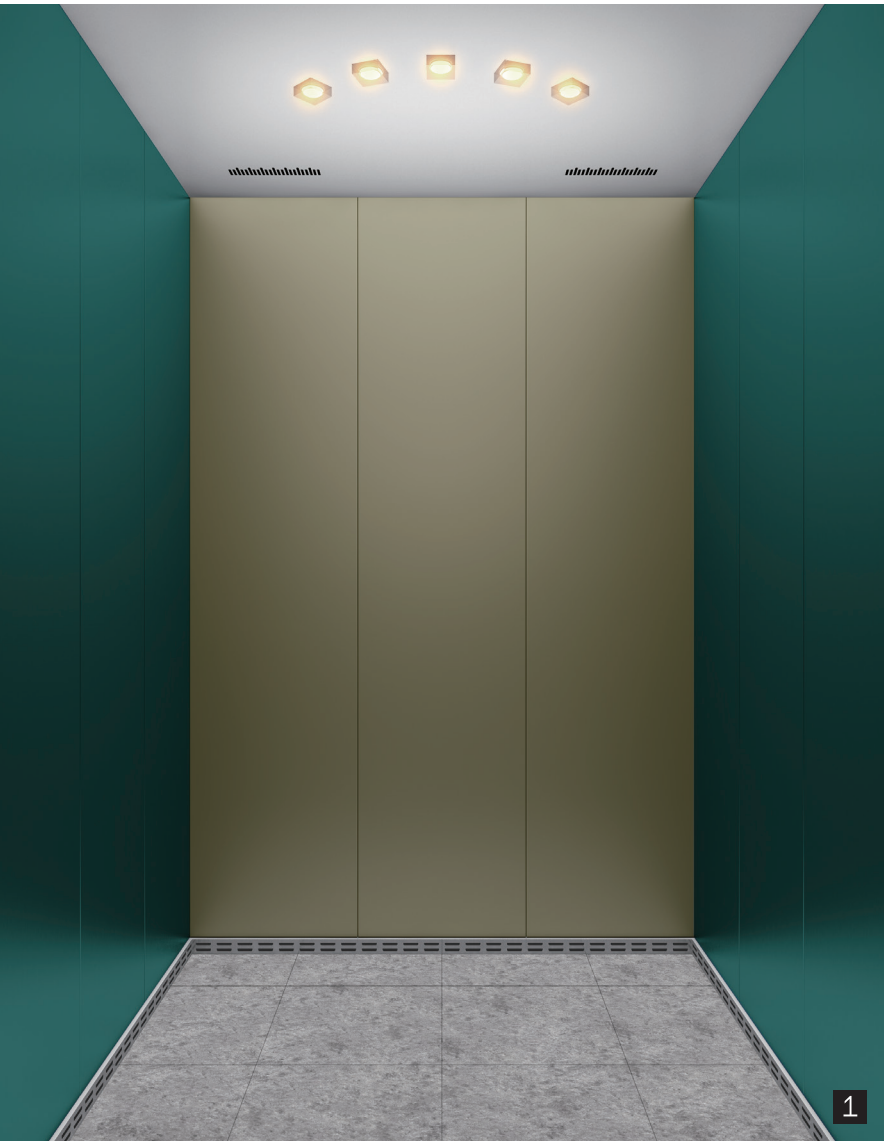
Combine useful amenities such as mirrors, handrails, ceiling and lighting effects to complete the experience.

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
- Side Wall: RAL 5020
- Rear Wall: RAL 1035 Metallic
- Front Wall: RAL 1035 Metallic
- Door: RAL 1035 Metallic
- Floor: CFL010

2 COPPER

- Ceiling: RAL 1015
- Side Wall: RAL 8029 Metallic
- Rear Wall: RAL 1015
- Front Wall: RAL 1015
- Door: RAL 1015
- 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
- Side Wall: RAL 9003 + Hairline stainless steel
- Rear Wall: Hairline stainless steel
- Front Wall: Hairline stainless steel
- Door: Hairline stainless steel
- Floor: TFW13

2 DARK WOOD

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

COP
White

CONTEMPORARY

Minimalistic interior design,
influenced by local taste.

1 SKY

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

2 MIRROR

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

COP
Black

NATURAL HOME

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

1 SPRING

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

2 AUTUMN

- Ceiling: RAL 7035
- Side Wall: RAL 1013
- Floor: H260
- Rear Wall: Laminate (844NT Aged ash-s)
- Front Wall: Hairline stainless steel
- Door: Hairline stainless steel

COP
White

MODERN FRESHNESS

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

1 LIME

- Ceiling: RAL 7035
- Side Wall: RAL 9003
- Rear Wall: RAL 9003
- Front Wall: RAL 9003
- Door: Hairline stainless steel
- Floor: TF8007

2 TANGERINE

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

COP
White

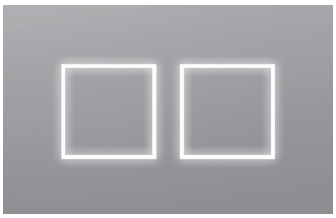
ACCESSORIES

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

Ceiling

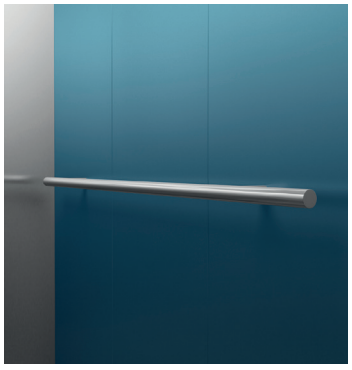
Curved

Round



Cubes

Handrail



Half-size mirror

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

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FUNCTION LIST

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

meta100 (GB-code)

FUNCTION LIST

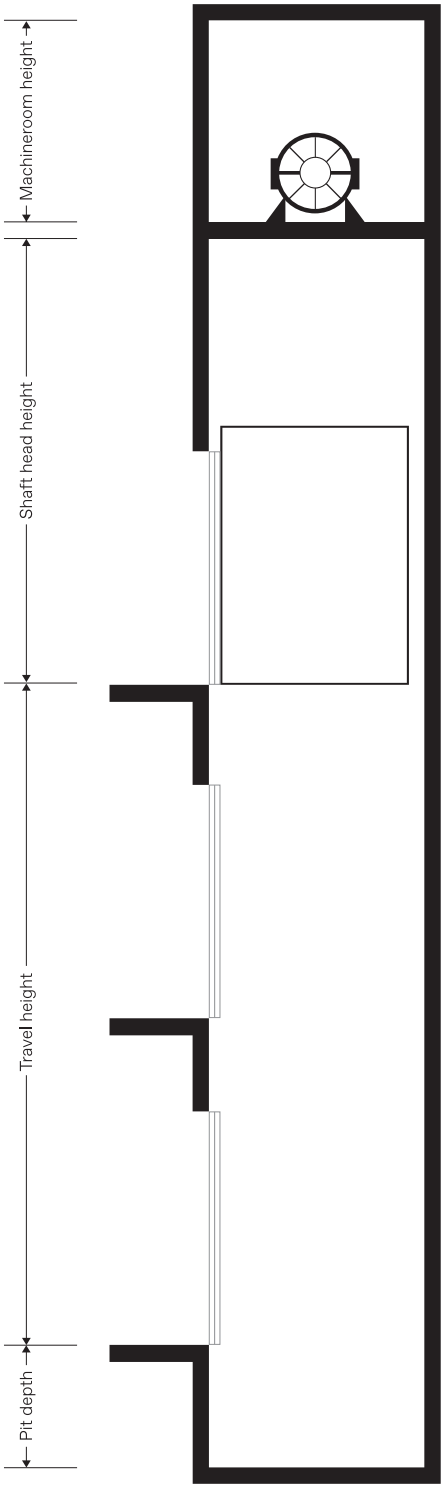
CATEGORY	NO.	FUNCTION	MR	MRL
Safety and Emergency Functions	40	Fireman service	O	O
	41	Door lock bypass function	S	S
	42	Automatic rescue operation	O	O
	43	Earthquake function (sensors by customer)	O	O
	44	Earthquake function (including sensors)	O	O
	45	Emergency power operation (generator by customer)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

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

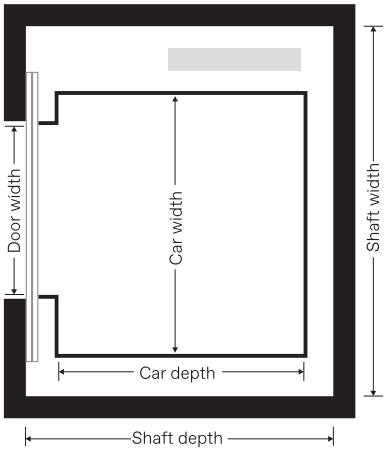
meta100 (GB-code)

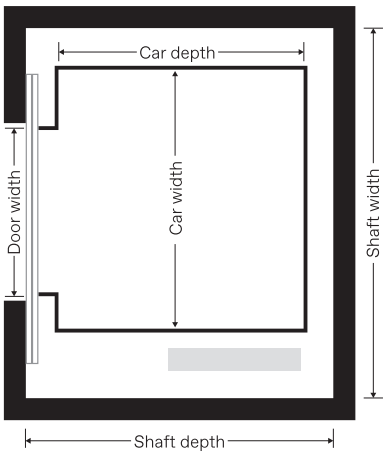
LAYOUT (MACHINEROOM)

Shaft vertical section



Lift plan





meta100 (GB-code)

TECHNICAL SPECIFICATIONS (MACHINEROOM)

Basic parameters

RATED LOAD (KG)	RATED SPEED (M/S)	MAX. TRAVEL HEIGHT (M)	MAX. NUMBER OF FLOORS	MIN. OVERHEAD HEIGHT (MM)	MIN. PIT DEPTH (MM)
630	1.0	50	18	CH+1350	1210
	1.6	75	26	CH+1500	1400
	1.75	90	31	CH+1550	1450
800	1.0	50	18	CH+1350	1210
	1.6	75	26	CH+1500	1400
	1.75	90	31	CH+1550	1450
	2	110	32	CH+1650	1550
	2.5	125	38	CH+1900	1910
1000	1	50	18	CH+1350	1210
	1.6	75	26	CH+1500	1400
	1.75	90	31	CH+1550	1450
	2	110	32	CH+1650	1550
	2.5	125	38	CH+1900	1910
1150	1	50	18	CH+1350	1210
	1.6	75	26	CH+1500	1400
	1.75	90	31	CH+1550	1450
	2	110	32	CH+1650	1550

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

Car/Shaft dimensions

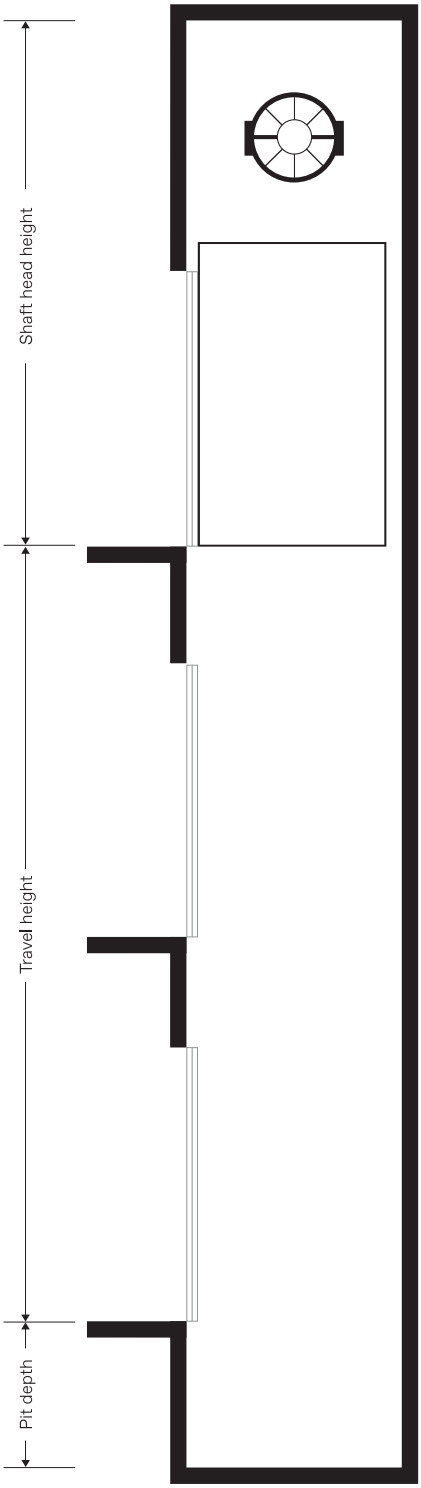
RATED LOAD (KG)	CAR SIZE (CW × CD)(MM)	DOOR OPENING	DOOR SIZE (DW × DH)(MM)	MIN. SHAFT SIZE (SW × SD)(MM)
630	1100 × 1400	Centre Opening	800 × 2100	1750 × 1800 (≤1.75m/s)
800	1350 × 1400	Centre Opening	800 × 2100	1950 × 1800 (≤2.0m/s)
				2000 × 1800 (2.5m/s)
	1100 × 1700	Centre Opening	800 × 2100	1750 × 2100 (≤2.5m/s)
			900 × 2100	1950 × 2100 (≤2.5m/s)
1000	1600 × 1400	Centre Opening	900 × 2100	2200 × 1800 (≤2.0m/s)
				2250 × 1800 (2.5m/s)
	1600 × 1500	Centre Opening	900 × 2100	2200 × 1900 (≤2.0m/s)
				2250 × 1900 (2.5m/s)
	1400 × 1600	Centre Opening	900 × 2100	2050 × 2000 (≤2.5m/s)
	1100 × 2100	Centre Opening	900 × 2100	1950 × 2500 (≤2.5m/s)
1150	1800 × 1400	Centre Opening	1100 × 2100	2400 × 1800 (≤2.0m/s)
	1800 × 1500	Centre Opening	1000 × 2100	2410 × 1890 (≤2.0m/s)
	1200 × 2100	Centre Opening	900 × 2100	1950 × 2500 (≤2.0m/s)

* For specification over the above scope, please contact the local TK Elevator representative.

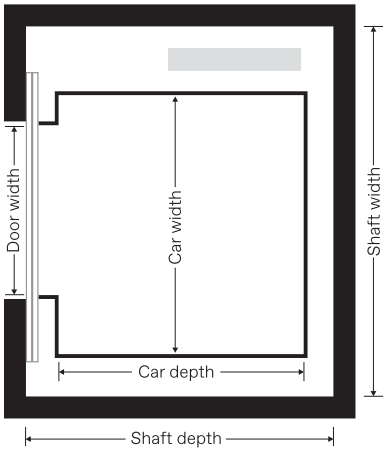
meta100 (GB-code)

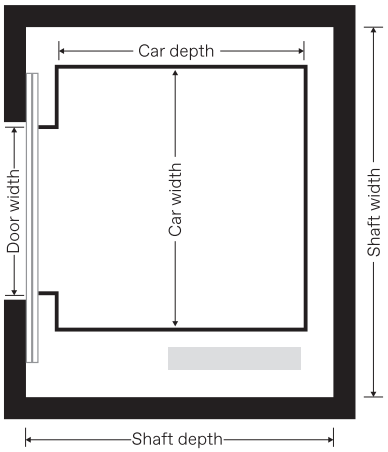
LAYOUT (MACHINEROOM-LESS)

Shaft vertical section



Lift plan





meta100 (GB-code)

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
	2	110	32
1000	1	50	18
	1.6	75	26
	1.75	90	31
	2	110	32
1150	1	50	18
	1.6	75	26
	1.75	90	31
	2	110	32

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

Minimum shaft head height and shaft pit depth

CAR HEIGHT (MM)	RATED SPEED (M/S)	MIN. OVERHEAD HEIGHT (MM)	MIN. PIT DEPTH (MM)
2300	1	3650	1210
	1.6	3850	1400
	1.75	3900	1450
	2	4050	1550
2200/2400	1	3500/3750	1210
	1.6	3800/3950	1400
	1.75	3850/4000	1450
	2	4050/4100	1550

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	800 × 2100	1750 × 1800
800	1350 × 1400	Centre Opening	800 × 2100	1950 × 1800
	1100 × 1700		900 × 2100	1950 × 2100
1000	1600 × 1400	Centre Opening	900 × 2100	2200 × 1800
	1600 × 1500			2200 × 1900
	1100 × 2100			1950 × 2500
1150	1800 × 1400	Centre Opening	1100 × 2100	2400 × 1800
	1200 × 2100		1000 × 2100	2200 × 2500

* For specification over the above scope, please contact the local TK Elevator representative.

meta100 (EN81-20/50)

FUNCTION LIST

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

meta100 (EN81-20/50)

FUNCTION LIST

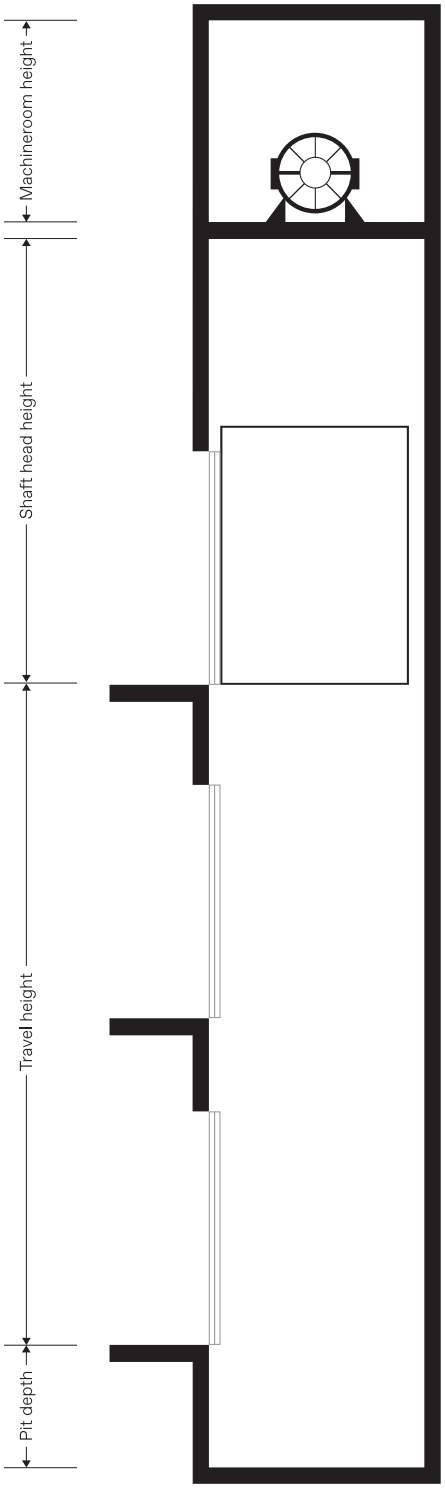
CATEGORY	NO.	FUNCTION	MR	MRL
Safety and Emergency Functions	40	Main COP attendance	O	O
	41	Fireman service	O	O
	42	Door lock bypass function	S	S
	43	Automatic rescue operation	O	O
	44	Earthquake function (sensors by customer)	O	O
	45	Earthquake function (including sensors)	O	O
	46	Emergency power operation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

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

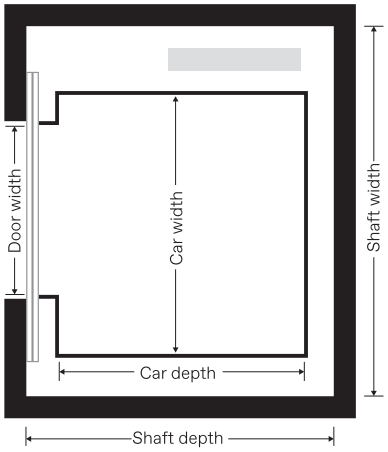
meta100 (EN81-20/50)

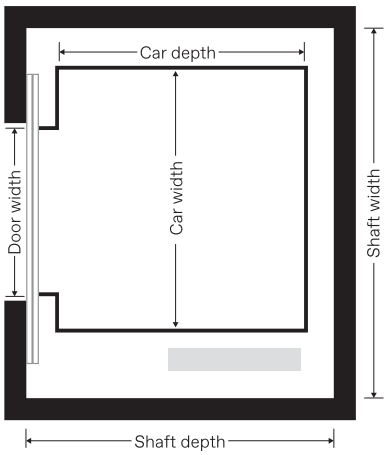
LAYOUT (MACHINEROOM)

Shaft vertical section



Lift plan





meta100 (EN81-20/50)

TECHNICAL SPECIFICATIONS (MACHINEROOM)

Basic parameters

RATED LOAD (KG)	RATED SPEED (M/S)	MAX. TRAVEL HEIGHT (M)	MAX. NUMBER OF FLOORS	MIN. OVERHEAD HEIGHT (MM)	MIN. PIT DEPTH (MM)
630	1.0	50	18	CH+1350	1800
	1.6	75	26	CH+1500	1900
	1.75	90	31	CH+1550	1950
800	1.0	50	18	CH+1350	1800
	1.6	75	26	CH+1500	1900
	1.75	90	31	CH+1550	1950
	2	110	32	CH+1650	2050
	2.5	125	38	CH+1900	2200
1000	1	50	18	CH+1350	1300
	1.6	75	26	CH+1500	1400
	1.75	90	31	CH+1550	1450
	2	110	32	CH+1650	1550
	2.5	125	38	CH+1900	1850
1150	1	50	18	CH+1350	1300
	1.6	75	26	CH+1500	1400
	1.75	90	31	CH+1550	1450
	2	110	32	CH+1650	1550

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

Car/Shaft dimensions

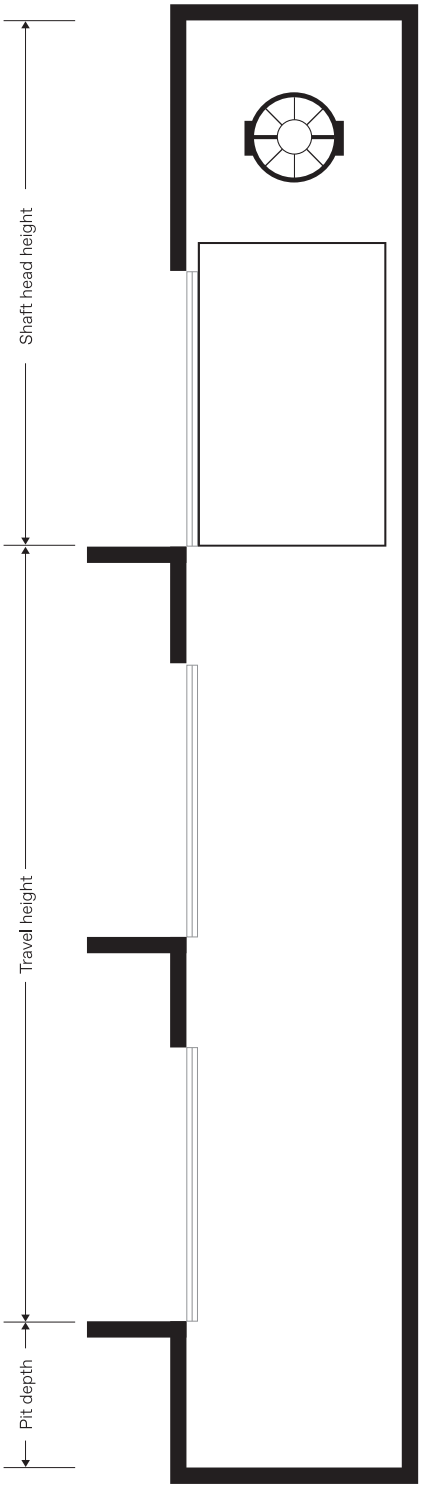
RATED LOAD (KG)	CAR SIZE (CW × CD)(MM)	DOOR OPENING	DOOR SIZE (DW × DH)(MM)	MIN. SHAFT SIZE (SW × SD)(MM)
630	1100 × 1400	Centre Opening	800 × 2100	1750 × 1800 (≤1.75m/s)
800	1350 × 1400	Centre Opening	800 × 2100	1950 × 1800 (≤2.0m/s)
				2000 × 1800 (2.5m/s)
	1100 × 1700	Centre Opening	800 × 2100	1750 × 2100 (≤2.5m/s)
			900 × 2100	1950 × 2100 (≤2.5m/s)
1000	1600 × 1400	Centre Opening	900 × 2100	2200 × 1800 (≤2.0m/s)
				2250 × 1800 (2.5m/s)
	1600 × 1500	Centre Opening	900 × 2100	2200 × 1900 (≤2.0m/s)
				2250 × 1900 (2.5m/s)
	1400 × 1600	Centre Opening	900 × 2100	2050 × 2000 (≤2.5m/s)
	1100 × 2100	Centre Opening	900 × 2100	1950 × 2500 (≤2.5m/s)
1150	1800 × 1400	Centre Opening	1100 × 2100	2400 × 1800 (≤2.0m/s)
	1800 × 1500	Centre Opening	1000 × 2100	2410 × 1890 (≤2.0m/s)
	1200 × 2100	Centre Opening	900 × 2100	1950 × 2500 (≤2.0m/s)

* For specification over the above scope, please contact the local TK Elevator representative.

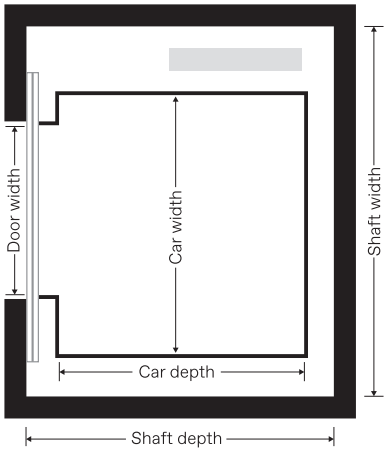
meta100 (EN81-20/50)

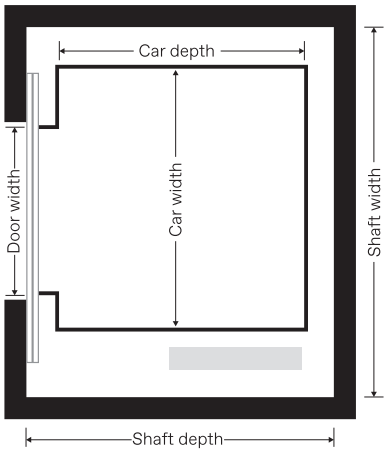
LAYOUT (MACHINEROOM-LESS)

Shaft vertical section



Lift plan





meta100 (EN81-20/50)

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
	2	110	32
1000	1	50	18
	1.6	75	26
	1.75	90	31
	2	110	32
1150	1	50	18
	1.6	75	26
	1.75	90	31
	2	110	32

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
		2	4350	2050
	2200/2400	1	3950/4150	1800
		1.6	4100/4300	1900
		1.75	4150/4350	1950
		2	4250/4450	2050
1000 - 1150	2300	1	4050	1300
		1.6	4200	1450
		1.75	4250	1500
		2	4350	1550
	2200/2400	1	3950/4150	1300
		1.6	4100/4300	1450
		1.75	4150/4350	1500
		2	4250/4450	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	800 × 2100	1750 × 1800
800	1350 × 1400	Centre Opening	800 × 2100	1950 × 1800
	1100 × 1700		900 × 2100	1950 × 2100
1000	1600 × 1400	Centre Opening	900 × 2100	2200 × 1800
	1600 × 1500			2200 × 1900
	1100 × 2100			1950 × 2500
1150	1800 × 1400	Centre Opening	1100 × 2100	2400 × 1800
	1200 × 2100		1000 × 2100	2200x 2500

* For specification over the above scope, please contact the local TK Elevator representative.