enta300 TAKING A UNIQUE PERSPECTIVE

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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.



 $\Box \cap \Delta$

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

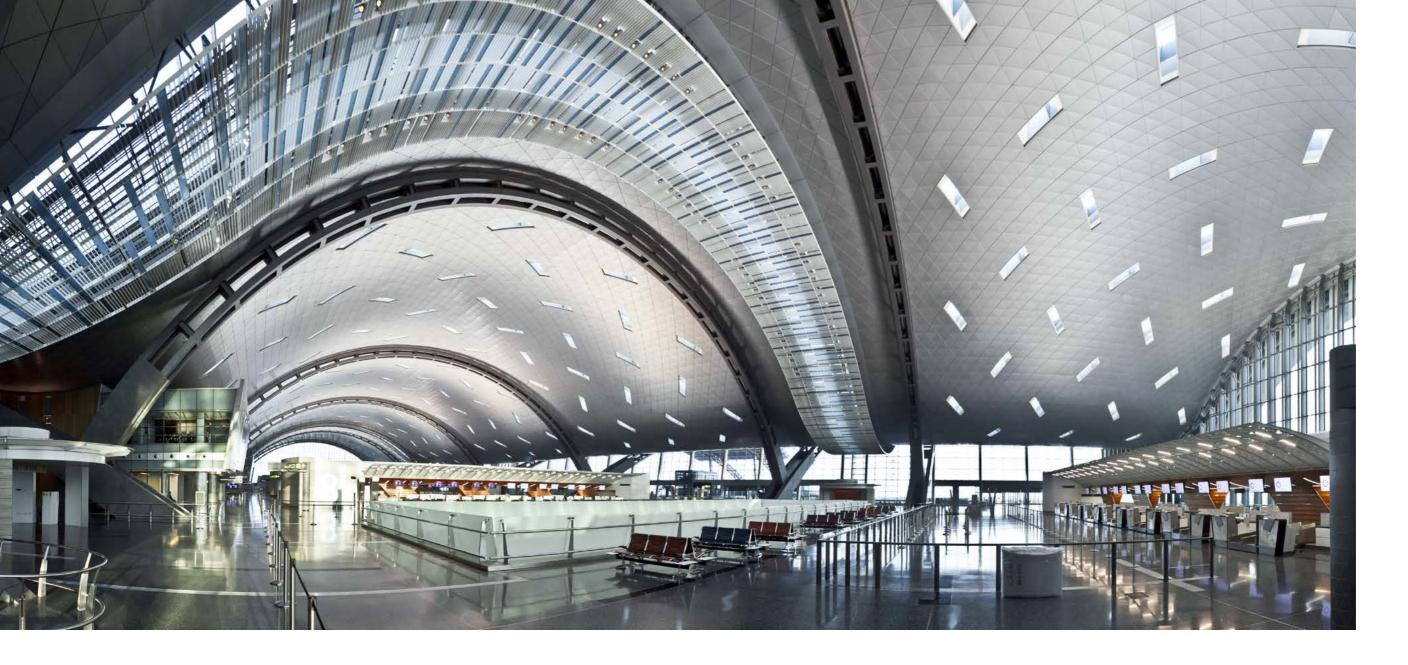
Demanding projects need outstanding design solutions, so enta300 gives designers the freedom to customize and meet your unique challenges.

DESIGNED FOR Infrastructure Hotels Shopping malls Hospitals Stadiums Offices Museums

SPECIFICATIONS

- Max. travel height: ≤120m
- Max. number of floors: ≤40
- Max. load: ≤5000kg
- Rated speed: ≤2.0m/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

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.



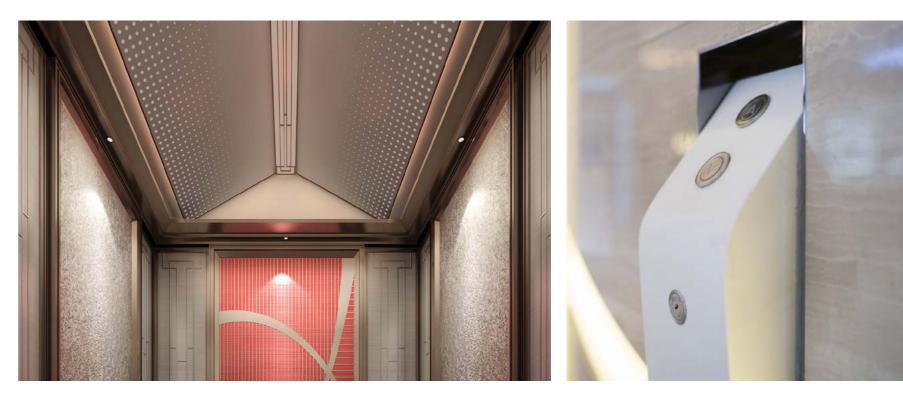
Monitor, control and schedule units from anywhere and at any time using INSIGHT, our web-enabled management solution. With additional features ranging from live video to in-depth performance analysis reporting, INSIGHT enables building management to keep on top of elevator operations, wherever

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.



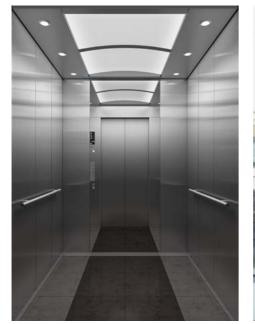




VARIETY OF CHOICE

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

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YOUR INNOVATION PARTNER

elevators and escalators in service

countries serviced

1,200,000 100+

employees



service available for customers

locations

24/7 1,0

service technicians

24.000



WWW.TKELEVATOR.COM

enta300 (EN CODE) FUNCTION LIST (MACHINEROOM-LESS)

FUNCTION

Re-leveling

In advance door open

Changing fire landing

Changing parking landing

Changing main landing

Lower noise contactor

Regenerative power function

Fire emergency return (FER)

Alarm & intercom function

Emergency car lighting

Door overload protect

Safety curtain for door

Parking (by key switch)

Emergency electrical operation

Inspection operation (on car top)

Traction machine skidding protection

Prepared fire emergency return signal

Unintended car movement protection

Door lock safety device failure detection

Brake torque detection function

Main COP attendance

Fireman service

Inspection operation (in pit)

Overload protect

3D light curtain

Landing to the nearest floor in case of problem

Repeat door closing in the event of lock failure

Phase failure and phase reversal protection

Traction machine over temperature supervision

Restrict the opening of the car door inside the car

Emergency operation for electrical brake release

Lockable main switch integrated for controller cabinet

(eg. motor overtemperature, car position missing)

Main landing return

Door nudging

Collective selective control

Full-load non-stop

Destination selection control

Door reopen by following landing call at same landing

Onward travel to the next stop in the case of a non-opening door

Anti-nuisance "limit number of car call when empty load" Anti-nuisance "car call cancellation at terminal landing"

Anti-nuisance "car call deletion opposite to travel direction"

Adjustable speed and torque of door operator

Energy saving operation for car light and fan

Adjustable waiting time for opening door at the main landing

Elevator start-up loading weighting compensation function

Adjustable waiting time for opening door at the specific landing

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enta300 (EN CODE) FUNCTION LIST (MACHINEROOM-LESS)

CATEGORY	NO.	FUNCTION	STANDARD / OPTION
	48	Door lock bypass function	S
	49	Automatic rescue operation	0
	50	Earthquake function (sensors by customer)	0
	51	Earthquake function (including sensors)	0
	52	Emergency power opreation (generated by customer)	0
Safety and Emergency	53	Top of car emergency exit	S
Functions	54	Residual current devices function (RCD function)	S
	55	Alarm while emergency trap door open function	0
	56	Building swing control operation (switch by customer)	0
	57	Pit water level detection function (switch by customer)	0
	58	Pit water level detection function (including switch)	0
	59	Non-door zone landing alarm function	0
	60	Allow fire sprinkler signals to be reserved	0
	61	Automatic doors	S
	62	Collective fault signal	S
	63	Collective fault signal output	0
	64	Operation counter (trip and hour)	S
	65	Car priority	0
Trip Functions	66	Selective door (only in through car and second COP case)	0
	67	Fire detector operation (fire alarm sensor by others)	0
	68	Special trip (landing priority) by key switch	0
	69	Blocking of landings (switch/timer)	0
	70	Constrainedly landing	0
	71	Car reader operate car call (instead of push button)	0
	72	Door close button	S
	73	Door open button	S
	74	Car call cancellation (by double press)	
	75	Landing indicator of LED (white)	S
	76	Car indicator of LED (white)	S
	77	Landing indicator of 4.3" black-white segment LCD	0
	78	Car indicator of 5.7" black-white segment LCD	0
	79	Car indicator of 7.6" black-white segment LCD	0
	80	Car indicator of TFT LCD	0
	81	Landing indicator of TFT LCD	0
Human Machine Interface	82	Car arrival gong	0
	83	Landing arrival gong	0
	84	Speech synthesis service	0
	85	Second COP (excluding car attendant and intercom)	0
	86	COP for disabled persons (no indicator, braille, push button as standard)	0
	87	Third-party landing call	0
	88	LIOP for disabled persons	0
	89	Hall lantern	0
	90	Door keeping open button	0
	91	Landing icons display	- <u> </u>
	92	Call button jammed detection	0

Enhanced	Car Function	าร

CATEGORY

Safety and	Emergency
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Functions



enta300 (EN CODE) FUNCTION LIST (MACHINEROOM-LESS)

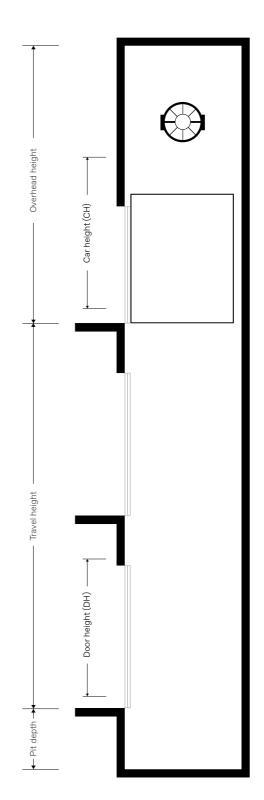
CATEGORY	NO.	FUNCTION	STANDARD / OPTION
	93	Car icons display	S
Human Machine Interface	94	Visitor function	0
	95	Dynamic fire function	0
	96	Intercom system	S
	97	Travelling cable (including video transmission function)	0
	98	BAS interface function (dry contactor signal)	0
Monitoring and Tele-Service	99	Supervision panel (cable by other, cable length ≤150m)	0
	100	Build automation interfacing (RS232, MM-B/C board)	0
	101	Build automation interfacing (RS485, MM-B/C board)	0
	102	Lift monitoring system (excluding computer & printer)	0
	103	Group control (max. 8 units)	0
	104	Continued group/duplex operation in case of failure of the other elevator	0
Group/Duplex Control	105	Peak service function (only for group control)	0
	106	Taking units out of group (timer/switch)	0

* S - Standard; O - Option

enta300 (EN CODE) LAYOUT (MACHINEROOM-LESS)

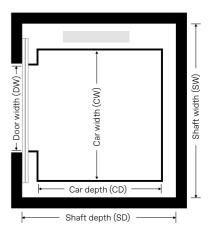
TKE

Shaft vertical section





Shaft plan



enta300 (EN CODE)

TECHNICAL SPECIFICATIONS (MACHINEROOM-LESS)

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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)
	1.0	50	18			
630	1.6	75	26		1100 × 1400 × 2400 (CO)	1750 × 1800
	1.75	90	31	—		
000	1.0	50	18			
	1.6	75	26	-	4250 4400 0400 (00)	1050 1000
800	1.75	90	31	— 800 × 2100	1350 × 1400 × 2400 (CO)	1950 × 1800
	2.0	110	32	—		
	1.0	50	18			
1000	1.6	75	26	_	1600 × 1400 × 2400 (CO)	2200 × 1800
1000	1.75	90	31	— 900 × 2100	1600 × 1500 × 2400 (CO)	2200 × 1900
	2.0	110	32	_		
	1.0	50	18			
1150	1.6	75	26	_		
	1.75	90	31	— 1100 × 2100	1800 × 1400 × 2400 (CO)	2400 × 1800
	2.0	110	32	_		
1250	1.0	55	20			-
	1.6	90	35	—		
	1.75	100	38	— 1100 × 2100	1450 × 2000 × 2400 (CO)	2400 × 2350
	2.0	120	40	_		
	1.0	55	20			-
	1.6	90	35	—		
1350	1.75	100	38	— 1100 × 2100	1550 × 2000 × 2400 (CO)	2450 × 2350
	2.0	120	40	_		
	1.0	55	20			
	1.6	90	35	—	()	
1600	1.75	100	38	— 1100 × 2100	1750 × 2000 × 2400 (CO)	2550 × 2350
	2.0	120	40	_		
	1.0	50	17			
	1.6	80	26	-		
1800	1.75	90	31	— 1100 × 2100	2000 × 1850 × 2400 (CO)	2800 × 2400
	2.0	110	32	_		
	1.0	50	17			
	1.6	80	26	—		
2000	1.75	90	31	— 1100 × 2100	2000 × 2000 ×2400 (CO)	2800 × 2450
	2.0	110	32	_		
	1.0	50	17			
2500	1.6	75	26	 1800 × 2100	2000 × 2400 × 2400 (CO)	3050 × 2850
	1.75	75	26	_		

CO - Centre Opening

MIN. OVERHEAD HEIGHT & MIN. PIT DEPTH

RATED	MIN. OVE		IGHT (MM)				MIN. PIT DEPTH (MM)						
SPEED (M/S)	630KG	800- 1150KG	1250- 1600KG	1800KG	2000KG	2500KG	630KG	800KG	1000- 1150KG	1250- 1600KG	1800KG	2000KG	2500KG
1.0	4150	4150	4200	4350	4350	4800	1800	1800	1300	1320	1800	1850	1900
1.6	4300	4300	4350	4450	4450	4900	1900	1900	1450	1500	1850	1900	1950
1.75	4350	4350	4450	4500	4500	5000	1950	1950	1500	1550	1900	1950	2000
2.0	/	4450	4500	4600	4600	/	/	2050	1550	1680	1950	2000	/

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

enta300 (GB CODE) FUNCTION LIST (MACHINEROOM-LESS)

Collective selective control

Full-load non-stop

Re-leveling

In advance door open

Changing fire landing

Changing main landing

Lower noise contactor

Main landing return

Changing parking landing

Destination selection control

Door reopen by following landing call at same landing

Onward travel to the next stop in the case of a non-opening door

Anti-nuisance "limit number of car call when empty load"

Anti-nuisance "car call deletion opposite to travel direction"

Adjustable waiting time for opening door at the main landing

Elevator start-up loading weighting compensation function

Anti-nuisance "car call cancellation at terminal landing"

Adjustable speed and torque of door operator

Energy saving operation for car light and fan

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enta300 (GB CODE) FUNCTION LIST (MACHINEROOM-LESS)

CATEGORY	NO.	FUNCTION	STANDARD / OPTIOI
	46	Fireman service	0
	47	Door lock bypass function	S
0.6.1	48	Automatic rescue operation	0
Safety and Emergency Functions	49	Earthquake function (sensors by customer)	0
Functions	50	Emergency power opreation (generated by customer)	0
	51	Top of car emergency exit	0
	52	Residual current devices function (RCD function)	S
	53	Automatic doors	S
	54	Collective fault signal	S
	55	Collective fault signal output	0
	56	Operation counter (trip and hour)	S
Trip Functions	57	Car priority	0
	58	Fire detector operation (fire alarm sensor by others)	0
	59	Special trip (landing priority) by key switch	0
	60	Blocking of landings (switch/timer)	0
	61	Car reader operate car call (instead of push button)	0
	62	Door close button	S
	63	Door open button	S
	64	Car call cancellation (by double press)	S
	65	Landing indicator of LED (white)	S
	66	Car indicator of LED (white)	S
	67	Landing indicator of 4.3" black-white segment LCD	0
	68	Car indicator of 5.7" black-white segment LCD	0
	69	Car indicator of 7.6" black-white segment LCD	0
	70	Car indicator of TFT LCD	0
	71	Landing indicator of TFT LCD	0
	72	Car arrival gong	0
	73	Landing arrival gong	0
	74	Voice soothing function	S
Human Machine Interface	75	Speech synthesis service	0
	76	Second COP (excluding car attendant and intercom)	0
	77	COP for disabled persons (no indicator, braille, push button as standard)	0
	78	Third-party landing call	0
	79	LIOP for disabled persons	0
	80	Hall lantern	0
	81	VIP landing operation	0
	82	Door keeping open button	0
	83	Landing icons display	S
	84	Call button jammed detection	0
	85	Car icons display	S
	86	Visitor function	0
	87	Dynamic fire function	0

Enhanced Car Functions

Safety and Emergency

Functions

CATEGORY

20	Adjustable waiting time for opening door at the specific landing	0
21	Door nudging	0
22	Regenerative power function	0
23	Landing to the nearest floor in case of problem (eg. motor overtemperature, car position missing)	S
24	Fire emergency return (FER)	S
25	Alarm & intercom function	S
26	Emergency car lighting	S
27	Overload protect	S
28	Repeat door closing in the event of lock failure	S
29	Door overload protect	S
30	Safety curtain for door	S
31	3D light curtain	0
32	Parking (by key switch)	S
33	Phase failure and phase reversal protection	S
34	Lockable main switch integrated for controller cabinet	S
35	Emergency electrical operation	S
36	Inspection operation (on car top)	S
37	Traction machine over temperature supervision	S
38	Traction machine skidding protection	S
39	Prepared fire emergency return signal	S
40	Unintended car movement protection	S
41	Restrict the opening of the car door inside the car	S
42	Brake torque detection function	S
43	Door lock safety device failure detection	S
44	Emergency operation for electrical brake release	S
45	Main COP attendance	0



enta300 (GB CODE) FUNCTION LIST (MACHINEROOM-LESS)

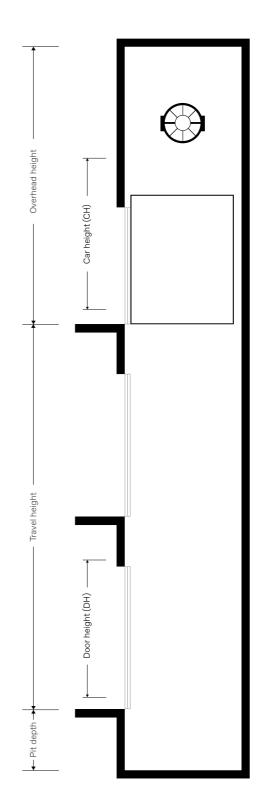
CATEGORY	NO.	FUNCTION	STANDARD / OPTION
	88	Intercom system	S
	89	Intercom system (double monitoring room)	0
	90	Travelling cable (including video transmission function)	0
	91	BAS interface function (dry contactor signal)	0
Monitoring and Tele-Service	92	Color video camera (in car)	0
	93	Supervision panel (cable by other, cable length ≤150m)	0
	94	Build automation interfacing (RS232, MM-B/C board)	0
	95	Build automation interfacing (RS485, MM-B/C board)	0
	96	Lift monitoring system (excluding computer & printer)	0
	97	Group control (max. 8 units)	0
	98	Continued group/duplex operation in case of failure of the other elevator	0
Group/Duplex Control	99	Peak service function (only for group control)	0
	100	Taking units out of group (timer/switch)	0

* S - Standard; O - Option

enta300 (GB CODE) LAYOUT (MACHINEROOM-LESS)

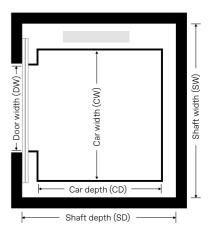
TKE

Shaft vertical section





Shaft plan



enta300 (GB CODE)

TECHNICAL SPECIFICATIONS (MACHINEROOM-LESS)

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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)
	1.0	45	15		1100 × 1400 × 2200 (CO)	1750 × 1750
630	1.6	75	30	800 × 2100	4400 4 400 0000 (00)	4750 4000
	1.75	90	35	_	1100 × 1400 × 2300 (CO)	1750 × 1800
800	1.0	50	18			
	1.6	75	30	— — 800 × 2100	1350 × 1400 × 2300 (CO)	1050 × 1000
800	1.75	90	35	- 800 × 2100	1350 × 1400 × 2300 (CO)	1950 × 1800
	2.0	110	38	_		
	1.0	50	18			
1000	1.6	75	30		1600 × 1400 × 2300 (CO)	2200 × 1800
1000	1.75	90	35	— 900 × 2100	1600 × 1500 × 2300 (CO)	2200 × 1900
	2.0	110	38	_		
	1.0	50	18			
1150	1.6	75	30	- 4400 0400	4000 4400 0000 (00)	0400 4000
	1.75	90	35	— 1100 × 2100	1800 × 1400 × 2300 (CO)	2400 × 1800
	2.0	110	38	_		
1250	1.0	55	20			
	1.6	90	35	-	2000 × 1450 × 2400 (CO)	27E0 × 197E
	1.75	100	38	— 1100 × 2100	2000 × 1450 × 2400 (CO)	2750 × 1875
	2.0	120	40	_		
	1.0	55	20			
1050	1.6	90	35	—		0750 4005
1350	1.75	100	38	— 1100 × 2100	2000 × 1550 × 2400 (CO)	2750 × 1925
	2.0	120	40	_		
	1.0	55	20			
	1.6	90	35	—		0750 0405
1600	1.75	100	38	— 1100 × 2100	2000 × 1750 × 2400 (CO)	2750 × 2125
	2.0	120	40			
	1.0	50	17			
	1.6	80	26	—		
1800	1.75	90	31	— 1100 × 2100	2000 × 1850 × 2400 (CO)	2800 × 2400
	2.0	110	32			
	1.0	50	17			
	1.6	80	26	-		0000 0455
2000	1.75	90	31	— 1100 × 2100	2000 × 2000 × 2400 (CO)	2800 × 2450
	2.0	110	32			
	1.0	50	17			
2500	1.6	75	26	 1800 × 2100	2000 × 2400 × 2400 (CO)	3050 × 2850
	1.75	75	26	_		

CO - Centre Opening

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	2500KG	630KG	800-1150KG	1250-1600KG	1800KG	2000KG	2500KG
1.0	3500	3650	4050	4350	4350	4800	1200	1200	1320	1800	1850	1900
1.6	3850	3850	4250	4450	4450	4900	1400	1400	1500	1850	1900	1950
1.75	3900	3900	4300	4500	4500	5000	1450	1450	1550	1900	1950	2000
2.0	/	4050	4450	4600	4600	/	/	1550	1680	1950	2000	/

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