

GPS35

Passenger Elevator (SMR)

Building the spectacular future of the city

GKE, Guardian of Buildings

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GKE is a strategic brand of GiantKONE Elevator Co., Ltd. in overseas market. GiantKONE, founded in 2005, is a leading Elevator & Escalator solution provider in China market.

As a key member of a highly acclaimed international enterprise, our mission is to make urban life better with products and services of excellent affordability, outstanding technology, and remarkable reliability over the full life cycle.

GPS35S(SMR) SPECIFICATIONS

Speed (m/s)	Load capacity (kg)	Maximum number of stops	Maximum travel distance (m)	Maximum number of group control units
1.0	630 / 800 / 1000 / 1050 / 1150 / 1250/1350/1600/1800/2000	16	50	4
1.6	630 / 800 / 1000 / 1050 / 1150 / 1250/1350/1600/1800/2000	32	90	4
1.75	630 / 800 / 1000 / 1050 / 1150 / 1250/1350/1600/1800/2000	32	105	4
2.0	800 / 1000 / 1050 / 1150 / 1250/1350/1600/1800/2000	40	120	4
2.5	800 / 1000 / 1050 / 1150 / 1250/1350/1600/1800/2000	40	130	4

Note: GPS35S is available for scenic elevator and bed elevator. For more information, please contact GKE sales team.

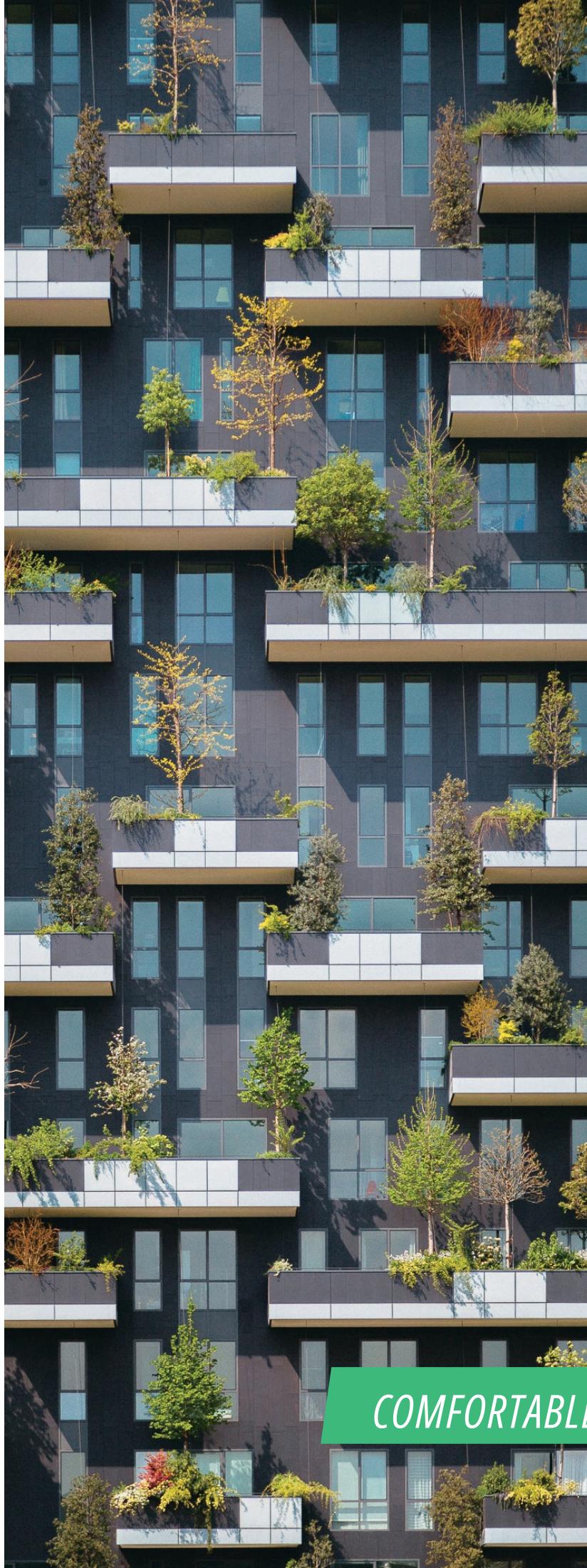
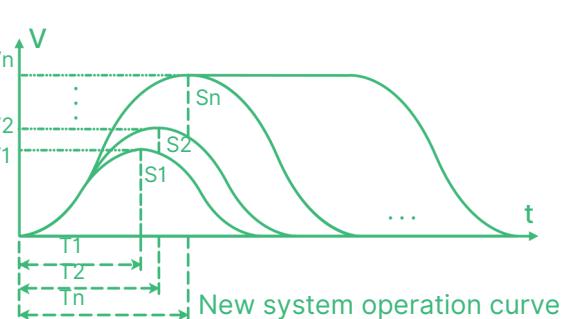
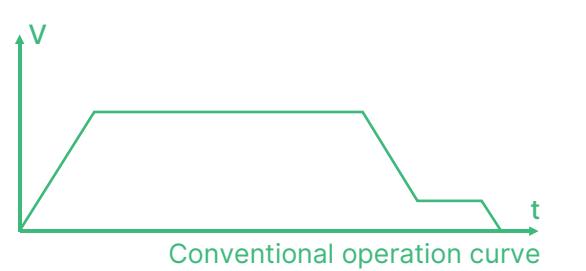


NEW INTELLIGENT TECHNOLOGY



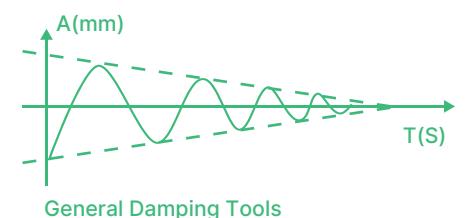
Intelligent Control System

- Dual 32-bit control system for faster computing and more compatibility.
- Serial transmission for more accurate and reliable signal control.
- A perfect mix of centralized and decentralized processing, faster response and more stable communication.
- R485 and modular design for easy setup.
- Advanced shaft signaling ensures efficient operation and precise levelling.
- Several optimized operating curves are automatically generated for a comfortable riding experience.
- Stop directly, shorten operation and waiting time.



COMFORTABLE AND ENERGY EFFICIENT

GPS35S offers a comfortable ride through the use of patented technologies, including advanced vector conversion technology, a unique double vibration damping function, and a fully digitalized door control system. These features provide an efficient and comfortable driving experience.



GPS35S meets VDI4707-1 and ISO25745-2 Grade A energy efficiency standards, adopts LED lighting and intelligent fan, the motor can be adjusted in real time according to the load change, the energy consumption is only 60% of the traditional traction machine, and it can be equipped with the advanced energy feedback system to further reduce the energy consumption by 20%.



SAFETY FIRST

Safety is the number one priority for GKE products. From design to the product's entire service life, we always pursue excellence.



Design

Strict standards, with speed limiting, braking, emergency systems, and communication... Multiple layers of protection to ensure absolute safety.



Manufacturing

Products, components, and subsystems undergo destructive and reliability testing to ensure every elevator delivers outstanding performance.



Installation

Reliable scaffold-free installation methods are used to ensure efficient and safe installation. We always follow the principle of safety first.



Operation

Intelligent monitoring before, during, and after operation, providing guardians-like protection throughout the entire ride.



WITH THE ARCHITECTURAL STYLE OF YOUR BUILDING

GKE offers a wide range of customized finishes options to meet the different needs of our customers.



GKE

Ceiling: G1025055_ST

(Stainless steel 304, LED light)

Car Wall: Hairline stainless steel (304)

Floor: 51950073 (PVC)

COP: 218 (Std.) and 358PLUS (optional, Swing)



Car with COP 218



Car with COP 358 PLUS

/ CEILING /



G1025055_ST
Stainless steel, LED light



G1025036
Stainless steel, LED light

Note: Option of painted steel sheet available.



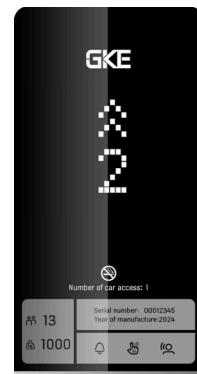
G1025056_ST
Stainless steel, LED light



G1025050_ST
Stainless steel, LED light

/ COP /

/ 218 (Std.) /



/ COP Display type /



Dot Matrix

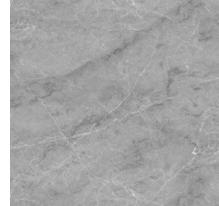


Segment

/ 358PLUS /
(Optional, Swing)



/ FLOOR /



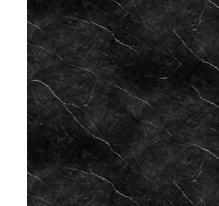
51950073
(PVC)



51950074
(PVC)



51782380
(PVC)



51782381
(PVC)

Note: Option of marble available.

/ HANDRAIL /



G32104



G32105

/ Button /



Dot Matrix



Segment

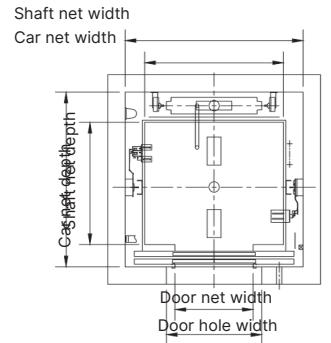


ELECTRICAL FUNCTION CONFIGURATION TABLE

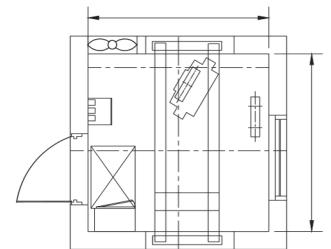
			● Standard Optional
SECURITY FUNCTIONS			
Rescue and fault monitoring			
ASC T	Uplink overspeed protection	●	
BFS	Buffer detection	●	
BMV R	Resistor braking	●	
CCM A	Call in the machine room	●	
CDC	Car door detection	●	
CDL O	Car door limit	●	
CLF M	To control the car lighting in the machine room	●	
COD	Correction run	●	
DCD	Door lock detection	●	
DOP	No door allowed	●	
DSC	Downstream overspeed protection	●	
DTS	Run time detection	●	
EEC C	Car exit detection	○	
EEC S	Shaft exit inspection	○	
EMH O	Pit emergency stop	●	
EMR	Car roof emergency stop	●	
IDJ	Communication evaluation	●	
LAF	Stop at a different station	●	
LCM A	Machine room outbound calls	●	
MAF M	Machine room main switch	●	
MOP T	Overheating protection	●	
OLP	Trip protection	●	
OSG CM	Speed limiter safety switch	●	
PAS U	Give priority to release	●	
PDD N/R	Phase detection	●	
RDC O	Repeatedly opening and closing the door	●	
RDF CN	Rescue run	●	
SDB	Fault self-diagnosis	●	
SGE	Safety gear safety switch	●	
TEL	Failure classification	●	
TWS C	Car speed limiter rope Tightening safety switch	●	
UCMP	Car accidental movement protection	●	
CONTROL FUNCTION			
Priority and special service function			
ATS C	Driver function	○	
AUD I	Audio interface	○	
CCR	IC card	○	
CSM UN	Forced docking	○	
CTV I	Video interface	○	
DOE B	Door opening delay	○	
EAQ	Earthquake detection	○	
EFC	Energy feedback	○	
FRE	Quick recall	○	
LOC E,O	Incoming call lock	○	
LOL E,O	Outbound call lock	○	
OSS COI	Car exit	○	
OSS LC	Floor exit	●	
PRC	Priority service	○	
PRC KI	Incoming call priority (continuous)	○	
INFORMATION FUNCTIONS			
Information display outside the car			
BPI	Full load display		
CPI LO	Car position, dot matrix		
CPI LS	Car position, segment code	●	
DIA L	Running direction display	●	
LCL	Outbound call registration display	●	
Information display in the car			
ACU F	Voice station announcement	●	
CCL	Incoming call display	●	
CPI CO	Car position, dot matrix		
CPI CS	Car position, segment code	●	
CRB C	Internal call buzzer		
DIA C	Running direction display	●	
OLF C	Overload reminder	●	
Information display on the maintenance control screen			
CIL A	Control cabinet parts labels	●	
CPI PS	Location indication	●	
SCN N	Start count	●	
Remote monitoring screen display			
HES	Community monitoring		
LIL	BA interface		
PASSENGER COMFORT FUNCTIONS			
Entering and exiting the car			
ACL B	Precise re-leveling	●	
ADO	Open early	●	
BOF	Inspection and switch door	●	
DCB I	Close the door inside the car	●	
DOB OI	Open the door inside the car	●	
NDC	Forced to close the door		
QCC	Close quickly		
RAA	Start outbound call response	●	
REO S	Outbound calls reopen	●	
SRC RNC	Light curtain detection	●	
SSR	Self-rescue operation	●	
Abuse, misuse protection			
CCB	Reverse internal call	●	
CRC	Command elimination	●	
FCC C	Internal calls to prevent trouble	●	
LCC	Outbound call interlock	●	
SPB BP	Button anti-adhesion	●	
Ride comfort			
AGC	Automatically generate curves	●	
DIR S	Dock directly	●	
OCL A	Car lighting energy saving	●	
OCL AF	Car lighting control		
OCV A	Car ventilation and energy saving	●	
OCV AF	Car ventilation control		
STP	start compensation	●	

LAYOUT AND SPECIFICATION (counterweight rear)

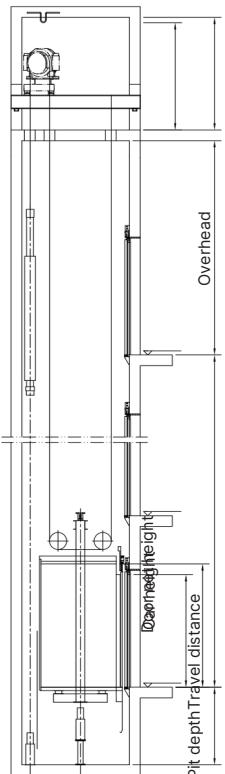
Load Capacity ≤ 1250kg



Counterweight rear
Sectional drawing of the shaft

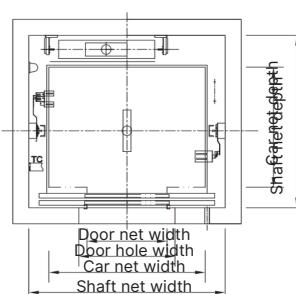


Counterweight rear
Sectional drawing of the machine room

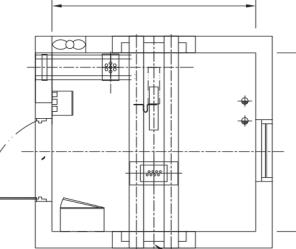


Counterweight rear
side view of the shaft

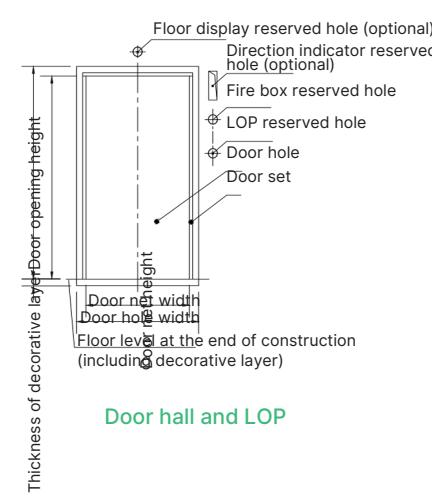
Load Capacity > 1250kg



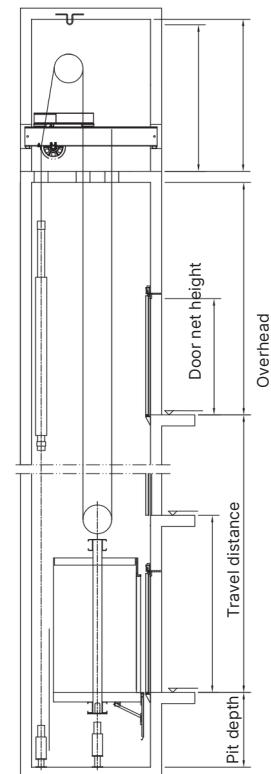
Counterweight rear
Sectional drawing of the shaft



Counterweight rear
Sectional drawing of the machine room



Door hall and LOP



Counterweight rear
side view of the shaft

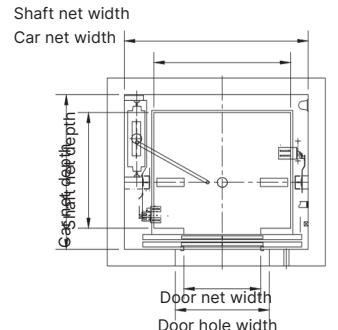
Persons/Load Capacity (kg)	Car dimensions (mm)	Car area (m ²)	Door width (mm)	Doorway width (mm)	Speed (m/s)	Minimum shaft dimensions (mm)	Operator position
8/630	1100×1400	1.540	Central opening-700	900	≤1.75	1675×1870	S(Side)
10/800	1350×1400	1.890	Central opening-800	1000	≤2.0	1900×1870	
					2.5	2000×1920	F(Front)
13/1000	1600×1400	2.240	Central opening-900	1100	≤2.0	2150×1870	
					2.5	2250×1920	F(Front)
14/1050	1600×1500	2.400	Central opening-900	1100	≤2.0	2150×1920	
					2.5	2250×1970	F(Front)
15/1150	1600×1600	2.560	Central opening-900	1100	≤2.0	2200×2150	
					2.5	2250×2150	F(Front)
16/1250	1600×1700	2.720	Central opening-900	1100	≤2.0	2200×2200	
					2.5	2250×2200	F(Front)
18/1350	1600×1850	2.960	Central opening-900	1100	≤2.5	2450×2275	F(Front)
21/1600	1600×2100	3.360	Central opening-900	1100	≤2.5	2450×2450	F(Front)
24/1800	1700×2200	3.740	Central opening-1000	1200	≤2.5	2550×2550	F(Front)
26/2000	1700×2300	3.910	Central opening-1000	1200	≤2.5	2550×2650	F(Front)

Load Capacity (kg)	Speed (m/s)	Door height (mm)	Car height (mm)	Minimum pit depth (mm)	Minimum overhead (mm)
630	1.0	2400	1250	3850 (3850)*	
	1.6	2400	1350	4000 (3950)	
	1.75	2400	1350	4050 (4000)	
800~1050	1.0	2400	1250	3850 (3850)	
	1.6	2400	1350	4000 (3950)	
	1.75	2400	1350	4050 (4000)	
	2.0	2400	1400	4150 (4000)	
	2.5	2400	1850	4750 (4600)	
1150~1250	1.0	2400	1250	3850 (3850)	
	1.6	2400	1350	4000 (3950)	
	1.75	2400	1350	4050 (4000)	
	2.0	2400	1400	4150 (4000)	
	2.5	2400	1850	4750 (4600)	
1350~1600	1.0	2400	1300	4150 (4050)	
	1.6	2400	1450	4350 (4250)	
	1.75	2400	1450	4350 (4250)	
	2.0	2400	1550	4450 (4350)	
	2.5	2400	1850	4800 (4700)	
1800~2000	1.0	2400	1400	4150 (4050)	
	1.6	2400	1550	4350 (4250)	
	1.75	2400	1550	4350 (4250)	
	2.0	2400	1600	4450 (4350)	
	2.5	2400	1850	4800 (4700)	

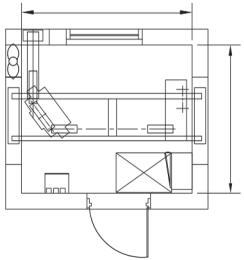
*Minimum overhead (the data in parentheses calculated based on car height of 2300mm and door height of 2100mm).

LAYOUT AND SPECIFICATION (counterweight side)

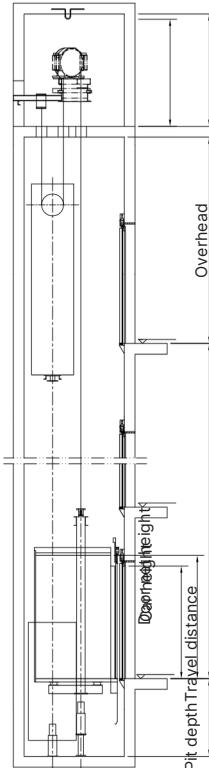
Load Capacity ≤ 1250kg



Counterweight side
Sectional drawing of the shaft

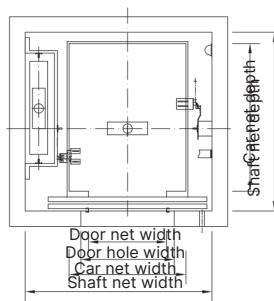


Counterweight side
Sectional drawing of the machine room

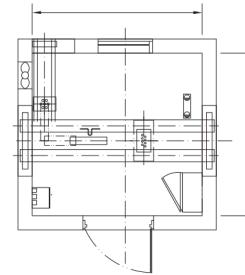


Counterweight side
side view of the shaft

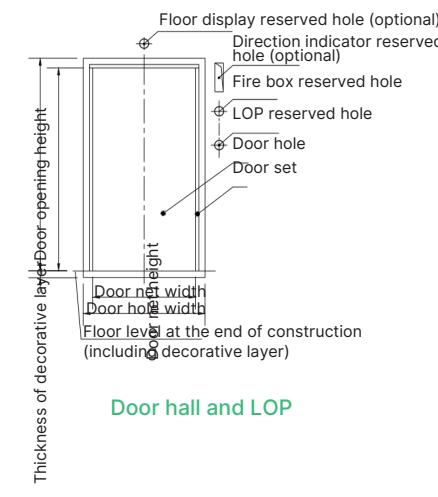
Load Capacity > 1250kg



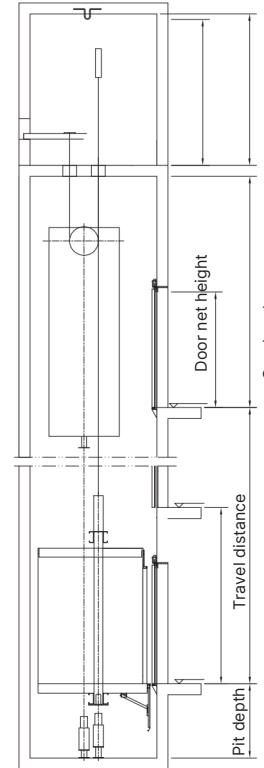
Counterweight side
Sectional drawing of the shaft



Counterweight side
Sectional drawing of the machine room



Door hall and LOP



Counterweight side
side view of the shaft

Persons/Load Capacity (kg)	Car dimensions (mm)	Car area (m ²)	Door width (mm)	Doorway width (mm)	Speed (m/s)	Minimum shaft dimensions (mm)	Operator position
8/630	1100×1400	1.540	Central opening-700	900	≤1.75	1675×1870	S(Side)
10/800	1350×1400	1.890	Central opening-800	1000	≤2.0	1900×1870	
					2.5	2000×1920	F(Front)
13/1000	1600×1400	2.240	Central opening-900	1100	≤2.0	2150×1870	
					2.5	2250×1920	F(Front)
14/1050	1600×1500	2.400	Central opening-900	1100	≤2.0	2150×1920	
					2.5	2250×1970	F(Front)
15/1150	1600×1600	2.560	Central opening-900	1100	≤2.0	2200×2150	
					2.5	2250×2150	F(Front)
16/1250	1600×1700	2.720	Central opening-900	1100	≤2.0	2200×2200	
					2.5	2250×2200	F(Front)
18/1350	1600×1850	2.960	Central opening-900	1100	≤2.5	2450×2275	F(Front)
21/1600	1600×2100	3.360	Central opening-900	1100	≤2.5	2450×2450	F(Front)
24/1800	1700×2200	3.740	Central opening-1000	1200	≤2.5	2550×2550	F(Front)
26/2000	1700×2300	3.910	Central opening-1000	1200	≤2.5	2550×2650	F(Front)

Load Capacity (kg)	Speed (m/s)	Door height (mm)	Car height (mm)	Minimum pit depth (mm)	Minimum overhead (mm)
630	1.0	2400	1250	3750 (3690)*	
	1.6	2400	1350	3950 (3810)	
	1.75	2400	1350	4000 (3860)	
800	1.0	2400	1250	3750 (3690)	
	1.6	2400	1350	3950 (3810)	
	1.75	2400	1350	4000 (3860)	
	2.0	2400	1400	4100 (3960)	
	2.5	2400	1850	4750 (4700)	
1000	1.0	2400	1250	3750 (3690)	
	1.6	2400	1350	3950 (3810)	
	1.75	2400	1350	4000 (3860)	
	2.0	2400	1550	4100 (4000)	
	2.5	2400	1850	4750 (4700)	
1050	1.0	2400	1250	3750 (3690)	
	1.6	2400	1500	3950 (3810)	
	1.75	2400	1500	4000 (3860)	
	2.0	2400	1650	4100 (4100)	
	2.5	2400	1850	4750 (4700)	
1150~1250	1.0	2400	1250	3750 (3690)	
	1.6	2400	1350	3950 (3810)	
	1.75	2400	1350	4000 (3860)	
	2.0	2400	1400	4100 (4100)	
	2.5	2400	1850	4750 (4700)	
1350~1600	1.0	2400	1300	4150 (4050)	
	1.6	2400	1450	4350 (4250)	
	1.75	2400	1450	4350 (4250)	
	2.0	2400	1550	4450 (4350)	
	2.5	2400	1850	4800 (4700)	
1800~2000	1.0	2400	1400	4150 (4050)	
	1.6	2400	1550	4350 (4250)	
	1.75	2400	1550	4350 (4250)	
	2.0	2400	1600	4450 (4350)	
	2.5	2400	1850	4800 (4700)	

*Minimum overhead (the data in parentheses calculated based on car height of 2300mm and door height of 2100mm).