



Vertical
Elevators

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VERTICAL ELEVATORS

ENGINEERING, INNOVATION, SAFETY

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ABOUT THE COMPANY

About:

The company started its operations in 2001. Today, Vercales is one of the leading providers of elevators, and is active in the areas of production, installation, maintenance and modernization. With operations in many cities of India, Vercales group is one of the fastest growing companies in and around National Capital Region. Its innovative and environmentally - friendly access and transit - management systems makes an important contribution to mobility in urban societies



Our Vision:

Lorem Ipsum is simply dummy text of the printing and typesetting industry. Lorem Ipsum has been the industry's standard dummy text ever since the 1500s, when an unknown printer took a galley of type and scrambled it to make a type specimen book. It has survived not only five centuries, but also the leap into electronic typesetting, remaining essentially unchanged. It was popularised in the 1960s with the release of Letraset sheets containing Lorem Ipsum passages, and more recently with desktop publishing software like Aldus PageMaker including versions of Lorem Ipsum.

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VE 100

VE 100 machine roomless elevator adopts the most advanced permanent magnet synchronous and gearless traction technology in the world. The gearless machine, along with the related drive equipment is all installed inside the hoist way eliminating the need for a machine room saving you valuable floor space.

It delivers exceptional performance with the use of all microcomputer intellectual control system and elevator special-purpose VVVF frequency converter. As a result, this series elevators are equipped with the outstanding features of green environment protection, highly effective energy and space saving. These Elevators are widely applicable for the hotels, medium to high rise residential and commercial buildings.

Advantages:

- Model: VL Ultima Lift
- Type: Machine Roomless
- Powered by: Gearless Traction Machine
- Capacity: 4 to 24 Passengers (272kgs – 1632kgs)
- Speed: 0.5m/s to 1.5m/s
- Floors: 2 to 12
- Cabin Design: MS Powder Coated Finish SS Mirror / Matt / Hair Line Finish SS Titanium Gold / Etching SS with Mirror / Toughened Glass / MS Laminates
- Door Type: Center Opening or Telescopic Opening



Specifications:

Model: VL Ultima Lift
Type: Machine Roomless
Powered by: Gearless Traction Machine
Capacity: 4 to 24 Passengers (272kgs – 1632kgs)
Speed: 0.5m/s to 1.5m/s
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Cabin Design: MS Powder Coated Finish SS Mirror / Matt / Hair Line Finish SS Titanium Gold / Etching SS with Mirror / Toughened Glass / MS Laminates
Door Type: Center Opening or Telescopic Opening

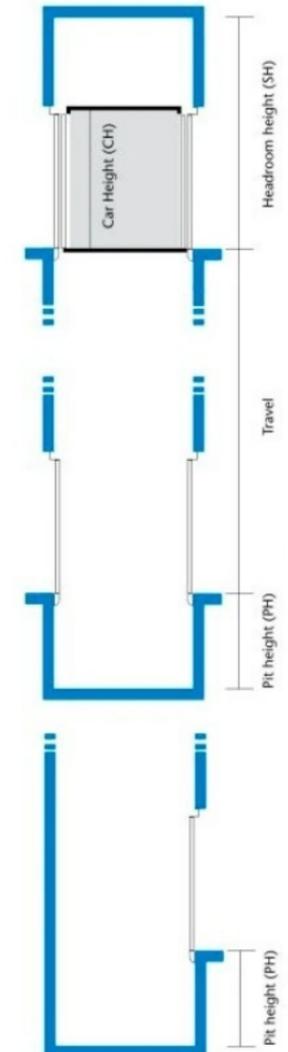
KONE MonoSpace 500 duty range			
Speed (m/s)	Load (kg)	Travel (m)	Stops
1	1150	55	21
1.6	1150	75	24
1.75	1150	75	24

KONE MonoSpace 500 minimum headroom height (SH) according to ceiling type				
Speed (m/s)	Standard ceiling (mm)	RL11 RL12	CL88L CL94L CL162	CL193
1.0	CH + 1300	CH + 1220	CH + 1380	CH + 1330
1.6	CH + 1500	CH + 1420	CH + 1580	CH + 1530
1.75	CH + 1500	CH + 1420	CH + 1580	CH + 1530

NOTE: With safety device, only CH = 2100 and CH = 2200 possible

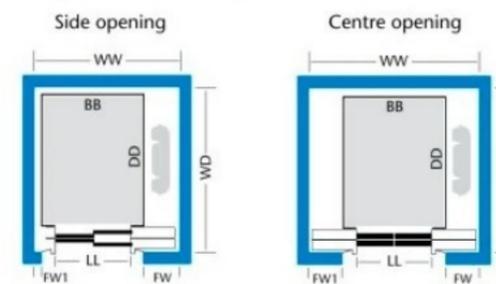
KONE MonoSpace 500 pit height (PH)	
Speed (m/s)	Standard
1.0	1050
1.6	1200
1.75	1200
	Max 1550

- Q = Rated load of elevator
- BB = Car width
- DD = Car depth
- CH = Car clear height
- FW = Front wall width
- FW1 = Side wall left - frame door application only
- FW2 = Side wall right - frame door application only
- HH = Door clear opening height
- HR = Door raw opening height
- LL = Door clear opening width
- LR = Door raw opening width
- LW = Right front door cover (including 30 mm tolerance)
- LW1 = Left front door cover (including 30 mm tolerance)
- LA = Front panel width, left
- LB = Front panel width, right
- FL = Front wall width, car, left
- FR = Front wall width, car, right
- WW = Shaft width
- WD = Shaft dept

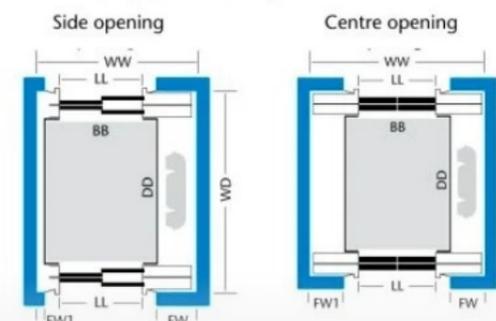


Frame and narrow frame door types

Single entrance car (SEC)



Through type car (TTC)



Frame widths:

Frame door: $(WW - LL - FW1 - FW) / 2 = 120 \text{ mm}$
 Narrow frame: $(WW - LL - FW1 - FW) / 2 = 50 \text{ mm}$



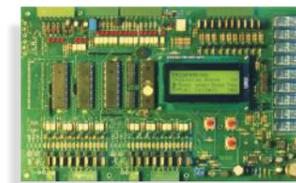
GLM Gearless Motor



CP Control Panel

Features:

- Suitable for elevators with or without machine room.
- Energy saving up to 30%.
- Low noise.
- No oil spillage problems.
- Key components are imported.
- Outstanding torque & cogging characteristics.
- All motors are with degree of protection Ip55.
- Compact design which facilitates elevator installation within minimum of space and civil work.

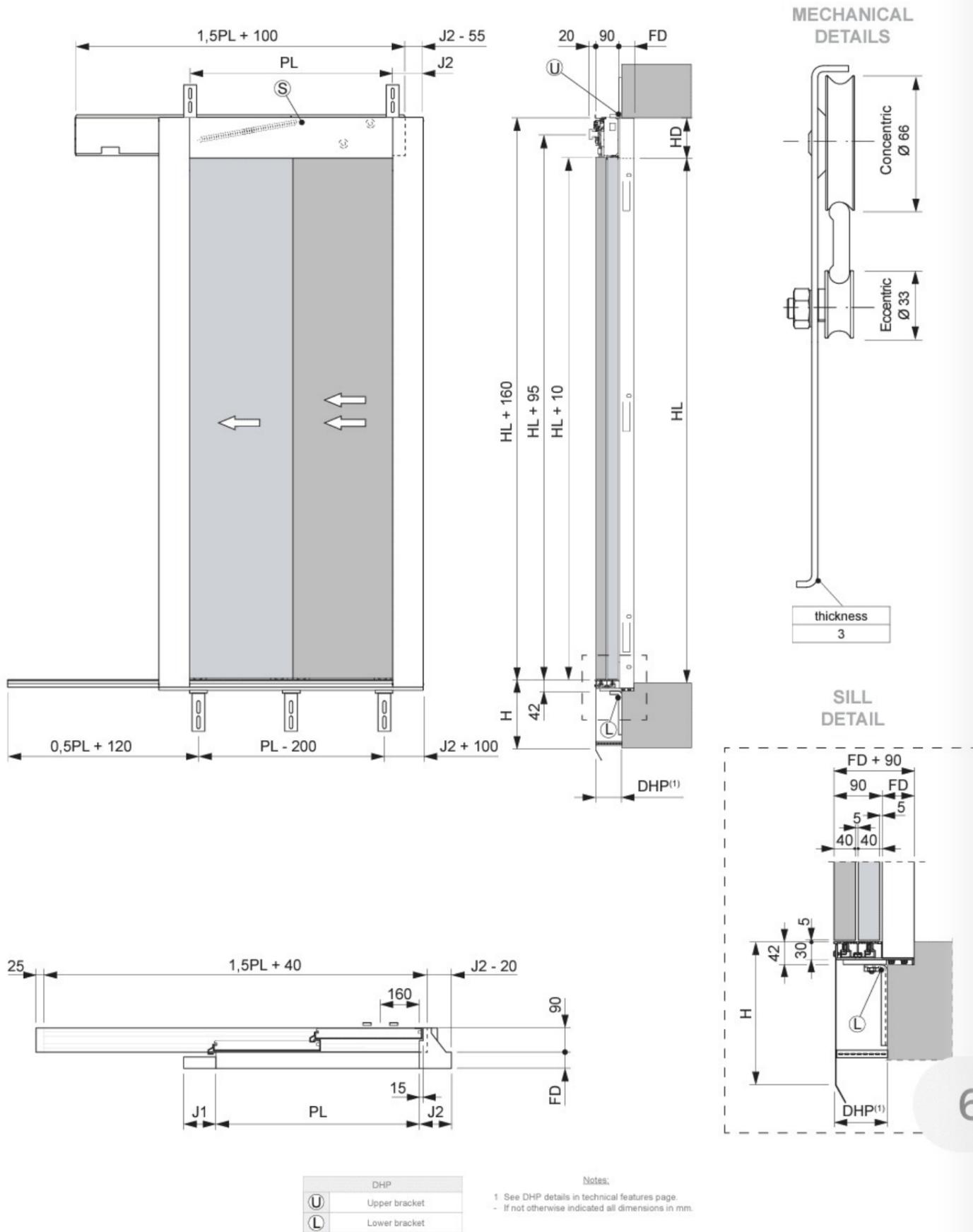


Features:

- The elevator integrated drive and controller is designed with closed loop vector controller for higher performance.
- Zero-speed torque compensation system without load weighing device helps save cost.
- Dynamic PWM carrier modulation technology ensures reduced motor noise.
- The elevator integrated drive and controller is suitable for both synchronous and asynchronous motor.
- Dual 32-bit embedded microprocessor.
- Incremental encoder is employed to control synchronous motor.
- This product is applicable for residential lift, goods lift, car lift, ramp elevator, etc.

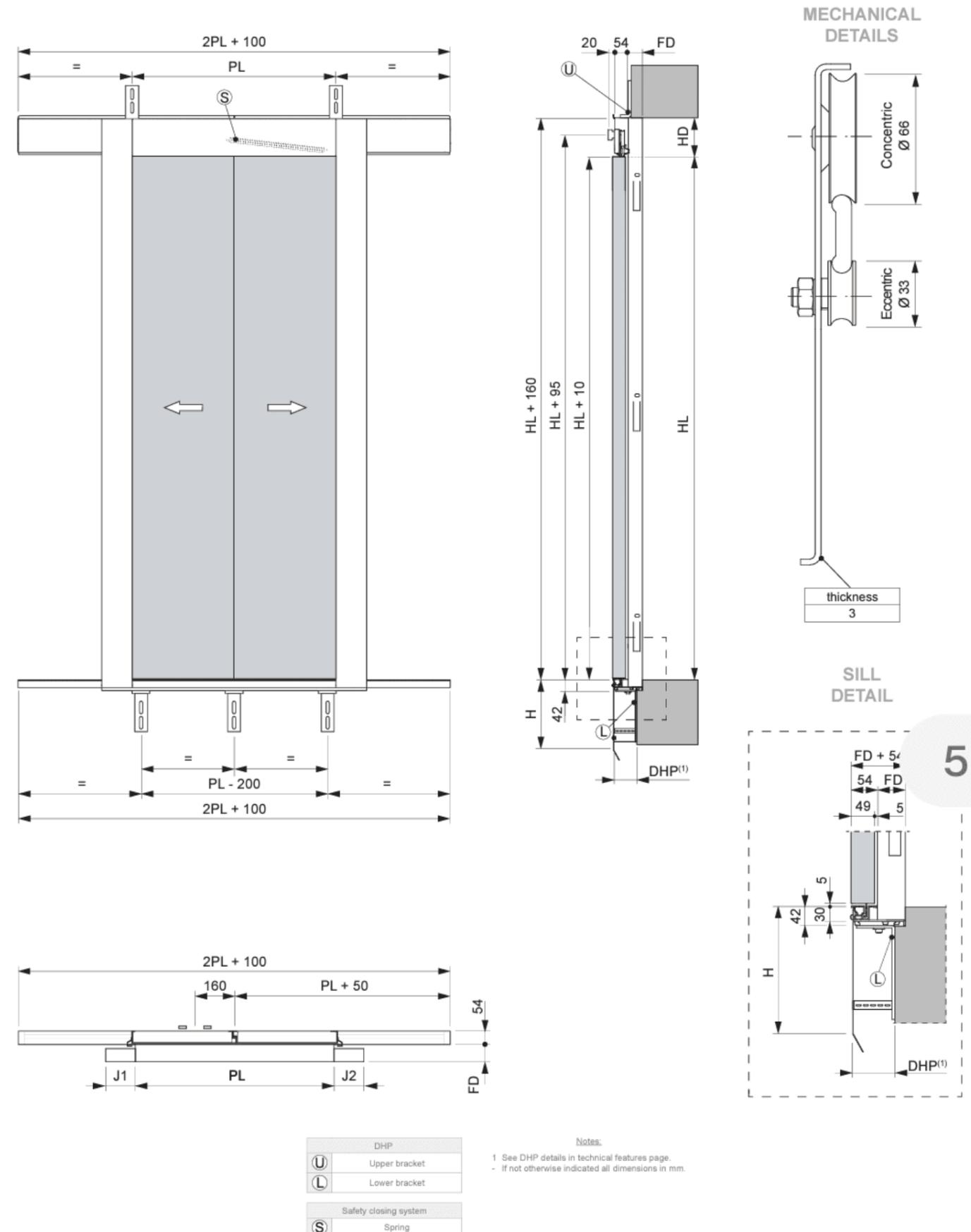
Technical Drawing 2 Panel Side Opening Door

90 mm sill



Technical Drawing 2 Panel Side Opening Door

54 mm sill



Cabin Designs



Features:

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- Outstanding torque & cogging characteristics.
- All motors are with degree of protection Ip55.
- Compact design which facilitates elevator installation within minimum of space and civil work.



COPCar Operating Panel

- Car Operating Panel
- 7 Segment Display
- LCD Display
- Dot Matrix Display
- Digital LCD Display
- Touch LOP Push Button LOP
- Handrail COP



LOP Landing Operating Panel

- Push Button LOP
- Touch LOP PushHall Display
- Manual Collapsible Door
- Manual Imperforated Door
- Manual Wooden Swing Door
- Auto Telescopic Door
- Auto Glass Door
- Auto Stainless Steel Door



LIFT CONFIGURATOR

DURA LIFT (MACHINE ROOM ELEVATORS)

LOAD	CAR INSIDE			ELEVATOR SHAFT		ENT	MACHINE ROOM		
	KG	WIDTH A	DEPTH B	WIDTH C	DEPTH D		WIDTH K	DEPTH L	HEIGHT H
4	272	900	900	1400	1450	700	2700	2400	2500
5	340	1100	850	1550	1400	1100	2400	2400	2500
6	408	1100	1000	1550	1550	1100	2400	2400	2500
8	544	1300	1100	1800	1650	1300	2400	2400	2500
4	272	1100	700	1600	1350	1100	2400	2400	2500
5	340	1100	850	1600	1500	1100	2400	2400	2500
6	408	1100	1000	1600	1550	1100	2400	2400	2500
8	544	1300	1100	1800	1700	1300	2600	2400	2500
10	680	1350	1300	1850	1900	1350	2600	2400	2500
16	1088	2000	1300	2500	2100	2000	2600	2400	2500
13	884	2000	1100	2500	1900	2000	2600	2400	2500
20	1360	2000	1550	2500	2400	2000	2600	2400	2500
24	1632	2150	1650	2500	2500	2150	2750	2400	2500

ULTIMA LIFT (MACHINE ROOM LESS ELEVATORS)

LOAD	CAR INSIDE		ELEVATOR SHAFT		ENT
KG	WIDTH A	DEPTH B	WIDTH C	DEPTH D	E
4	900	900	1650	1450	700
5	900	1050	1650	1600	700
6	1000	1100	1850	1650	800
8	1100	1300	1950	1850	800
10	1300	1350	2150	1900	900
13	1500	1500	2350	2050	1000
15	1600	1750	2450	2300	1200

POWER LIFT (GOODS ELEVATORS)

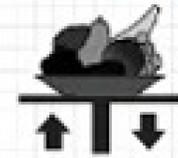
LOAD	CAR INSIDE		ELEVATOR SHAFT		ENT	MACHINE ROOM	
LOAD	WIDTH A	DEPTH B	WIDTH C	DEPTH D	E	WIDTH K	DEPTH L
500	1500	1500	2100	1800	900	2700	2400
1000	1500	1800	2200	2100	1200	2800	2700
1500	1700	2000	2400	2300	1500	2800	2700
2000	1700	2500	2500	2800	1500	2900	3400
3000	2000	3000	2800	3300	1800	3400	3900
4000	2500	3000	3400	3300	2000	3400	3900
5000	2500	3500	3400	3900	2000	4000	3900

PULSE LIFT (HOSPITAL ELEVATORS)

LOAD	CAR INSIDE			ELEVATOR SHAFT		ENT	MACHINE ROOM	
PERSONS	KG	WIDTH A	DEPTH B	WIDTH C	DEPTH D	E	WIDTH K	DEPTH L
15	1020	1100	2500	1800	3000	800	2400	3000
20	1360	1300	2500	2100	3000	1000	2600	3000
25	1768	1600	2500	2350	3000	1200	2950	3000

MINION LIFT (DUMB WAITERS)

LOAD	CAR SPEED	CAR INSIDE			ELEVATOR SHAFT		ENT	MACHINE ROOM	
KG		WIDTH A	DEPTH B	HEIGHT B	WIDTH C	DEPTH D	E	WIDTH K	DEPTH L
100	0.25	600	600	600	1000	1000	600	1400	1500
150	0.25	800	800	900	1200	1200	800	1500	1500
200	0.25	900	900	1000	1300	1300	800	1500	1800
250	0.25	1000	1000	1200	1400	1400	900	1800	2000



GS Guaranty & Services

Verticales serve you throughout the life cycle of the equipment. We provide assistance already during building design and during elevator construction time by speeding up the movement of workers and goods on the site. After handover, our Service Center keeps your elevators, running reliably for decades. With scheduled preventive maintenance Verticales serves to keep the equipment running ensuring smooth transport every day. Throughout the equipment lifetime we evaluate the equipment condition and propose repair and modernization when needed.

Verticales Customer Care Center 011-43728787
Available 24 hours a day, 7 days a week

ALL ELEVATORS TESTED FOR RIDE QUALITY

Verticales provide a comprehensive ride quality testing service as standard for all its elevator installations. Your elevator will not be handed over for use before it passes this test, which measures noise and vibration levels inside the car.

This thorough quality and reliability testing prior to handover further reduces the need for unplanned maintenance call outs

Add On Feature



Automatic Rescue Device



Telephone in Cabin



Voice Announcement System



Overload Function



GPS Error Reporting System



Group Control Function



Key/Card/Finger Access



Customized Branding



Air Condition in Cabin