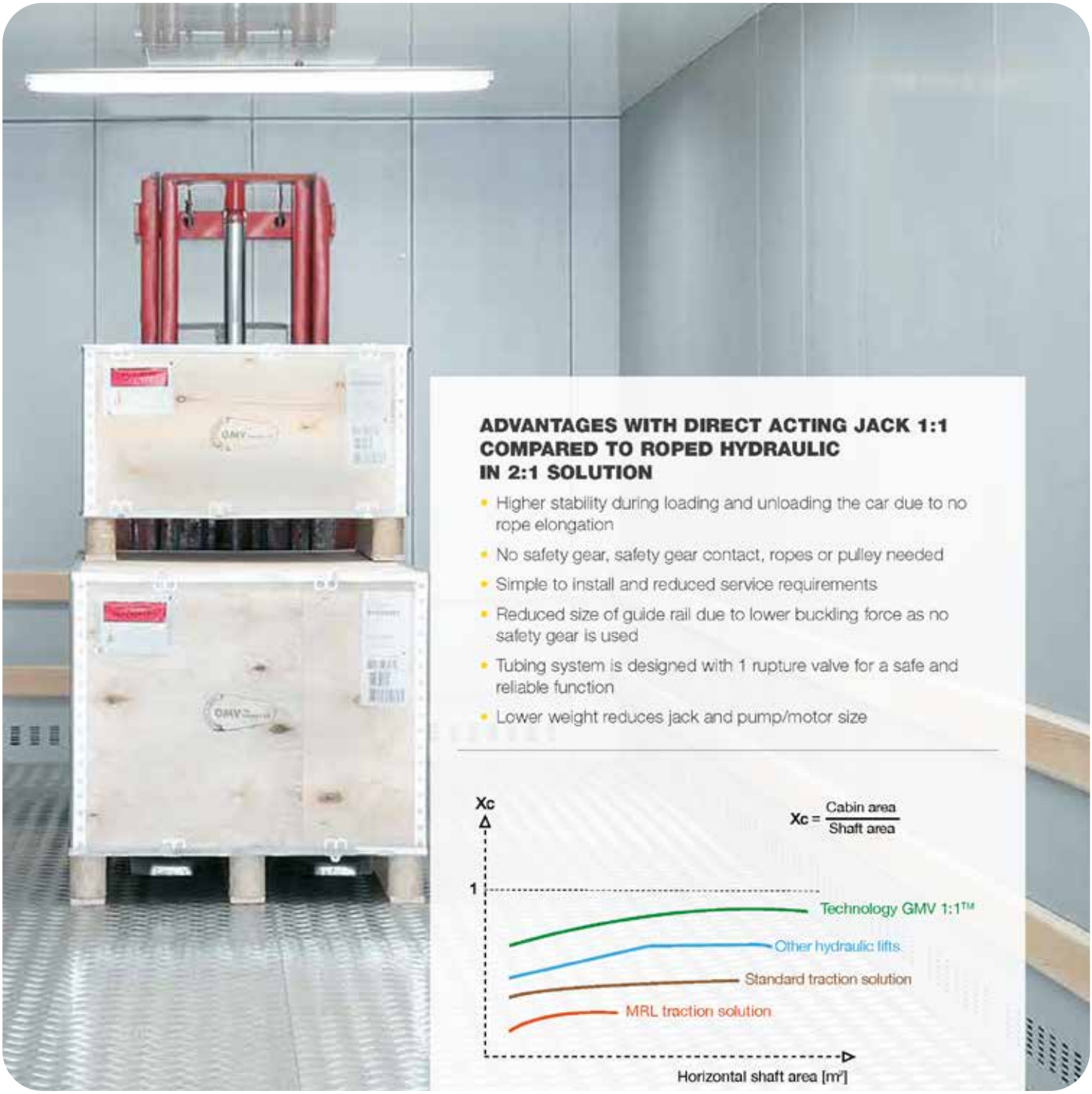
GOODS CUM PASSENGER LIFT & VEHICLE LIFT GPL-VL

GOODS CUM PASSENGER LIFT
& VEHICLE LIFT **GPL-VL**

WORLD NO. 1 IN
HYDRAULIC ELEVATOR
TECHNOLOGY

GPL-VL ADVANTAGES WITH DIRECT ACTING JACK



ADVANTAGES WITH DIRECT ACTING JACK 1:1 COMPARED TO ROPED HYDRAULIC IN 2:1 SOLUTION

- Higher stability during loading and unloading the car due to no rope elongation
- No safety gear, safety gear contact, ropes or pulley needed
- Simple to install and reduced service requirements
- Reduced size of guide rail due to lower buckling force as no safety gear is used
- Tubing system is designed with 1 rupture valve for a safe and reliable function
- Lower weight reduces jack and pump/motor size

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GPL-VL CAR FRAME & JACK

Carframe FLH and Guide rail

- Carframe design requires a minimum shaft dimension in relation to car size
- Standard guide rail fixings with jacks anchored to the hoistway walls
- Strong and light design for quick installation

Jack EC or 1008

- **GMV has 35 years of experience using synchronized jacks for goods lifts.** Telescopic jacks are mechanically synchronized by chains, which give a constant synchronization
- and do not need to be "resynchronized" Jack design maintains a minimum shaft dimension in relation to car size
- Direct-acting jacks secure high stability during loading and unloading

Tubing system AST

- **Only one rupture valve secures a safe and reliable function**
- The AST-tubing is a rigid pipe system with threaded connections. No welding on site is needed
- The threaded connections with one adjustable part result in quick and easy installation

Power unit

- Power unit designed for installation in service-friendly machine room
- 3010 valve type with soft stop as standard and electronic valve as an option
- Star/Delta start or soft starter is supplied
- Auxiliary motor/pump for controlled re-levelling and main motor start reduction
- Flexible hose between power unit and rupture valve on AST- tubing

Controller, telephone and push buttons

- Micro processor basis controllers
- Complete pre-wired electric installation to reduce installation time
- Star/Delta start or soft starter is supplied
- Auxiliary motor control for re-levelling
- Emergency telephone conform to EN 81-28
- Push buttons conform to EN 81-70

Below are the main components of the lift, which allow **a reduction of the hoistway space, quick and easy installation, safety, reliability and travel comfort.**

Carframe LH 35, FLH 35C

Carframe FLH 80F

Jack EC

Jack 1008

Design certificate 16-NOR-LD- 013

AST 2-jack

AST 4-jack

Design certificate 17-NOR-LD- 005

Guide rail manufactured in sizes T90/B, T125/B, T127/B or T140-2/B

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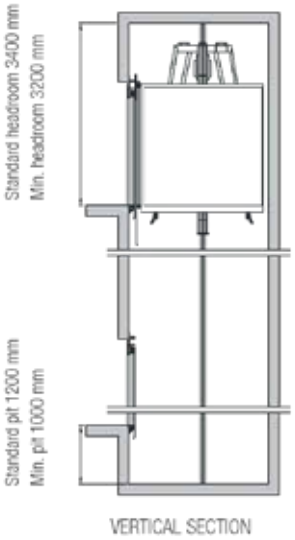
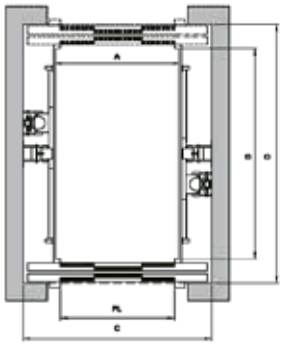
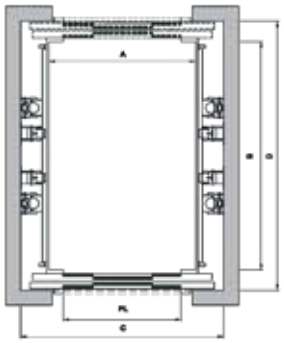


VERTICAL SECTION

GPL 25, GPL 40, GPL 40F


SHAFT LAYOUT

GPL 80F


SHAFT LAYOUT

GOODS PASSENGER LIFTS STANDARD SIZES *										
Lift Type		Rated load [kg]	Car Dimensions [mm]		Doors [mm]		Shaft Dimensions [mm]			Jacks [No.]
			A	B	PL	Type	C	D with 1 entrance	D with 2 opposite entrances	
1	GPL25	1250-2500	1500	2700	1300	C4	2200	3100	3260	2
2	GPL25	1250-2500	1800	2700	1400	C4	2500	3100	3260	2
3	GPL25	1800-3000	2100	2700	1700	C4	2800	3100	3260	2
4	GPL40	2100-4000	2200	3100	1800	C4	2900	3500	3660	2
5	GPL40	2250-4000	2600	3400	1800	C4	2900	3800	3960	2
6	GPL40	3000-5000	2600	3900	2100	C4	3300	4300	4460	2
7	GPL40	3250-6000	2600	4300	2100	C4	3300	4700	4860	2
8	GPL80	3250-6000	1800	4300	2100	C4	3300	4700	4860	4
9	GPL80	4000-8000	2800	4800	2200	C4	3500	5200	5360	4
10	GPL80	4500-8500	2800	5300	2400	C6	3500	5800	6040	4
11	GPL80	4500-9000	3000	5300	2600	C6	3700	5800	6040	4
12	GPL80	4700-10000	2800	6000	2400	C6	3500	6500	6740	4
F = suitable for loading and unloading operations with a forklift										
Door type C4 = 4 panels central doors opening - Door type C6 = 6 panels central doors opening										
Max. travel 13,7 m with standard pit depth (1200 mm) and standard headroom (3400 mm). Higher travels are possible with increased pit/headroom. Min pit 1000 mm under certain conditions, see technical information. For other head rooms please contact GMV Sweden office.										
Max speed GPL 0,63 m/s										
GPL car height 2000-3000 mm										

* Written dimensions are only examples, other rated loads and car dimensions on request.

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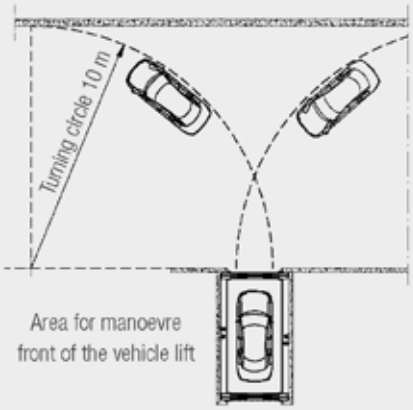
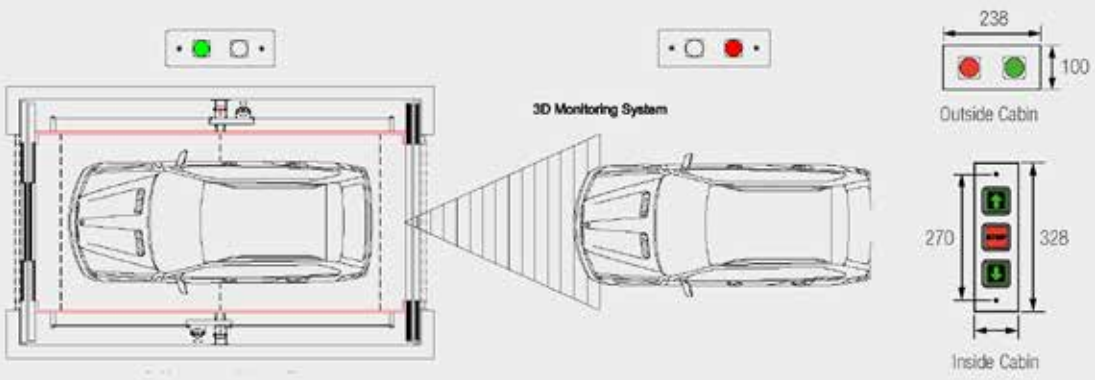
GOODS CUM PASSENGER LIFT-GPL

WALL OPPOSITE TO THE VEHICLE LIFT



In case of road perpendicular to the car's axis must keep a distance min. 10 m to the opposite wall



- **Traffic Light System**
  Light panels to find the correct position of the vehicle inside the cabin and outside the cabin

- **3D Monitoring System**
  Safety equipment with infrared sensors, which stops door closure by detecting the car presence

OPTIONS

- **Winterization**
  Floor prepared for winter climate with collection of snow and water below the floor

- **Radio transmitter**
  Call the lift easy from the car with a remote control

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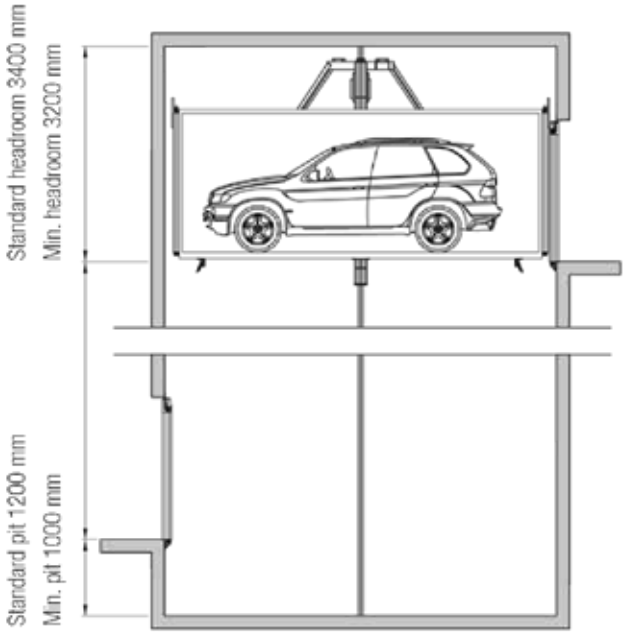
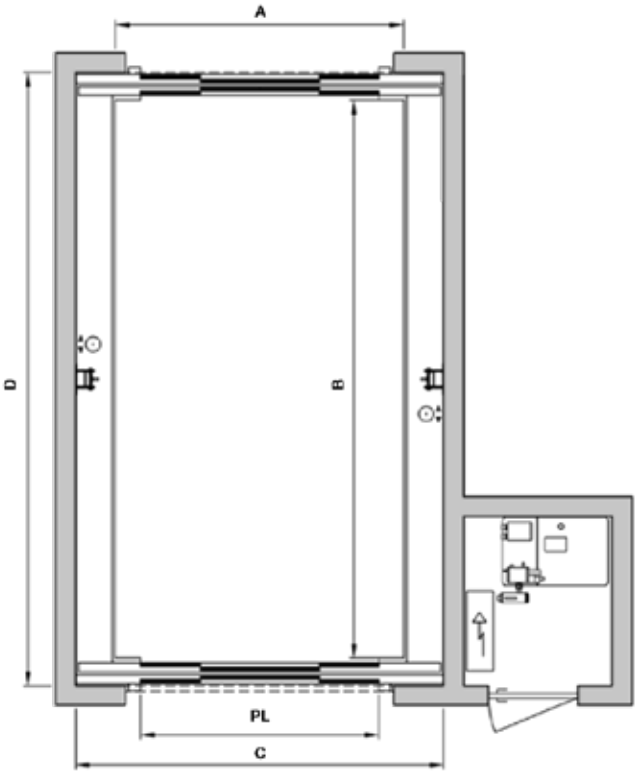
VEHICLE LIFTS (VL)

VL 30, VL 35, VL 40, VL 45



VERTICAL SECTION



SHAFT LAYOUT

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VEHICLE LIFTS (VL)

VEHICLE LIFTS STANDARD SIZES *										
Lift Type		Rated load [kg]	Car Dimensions [mm]		Doors [mm]		Shaft Dimensions [mm]			Jacks [No.]
			A	B	PL	Type	C	D with 1 entrance	D with 2 opposite entrances	
1	VL30	3000	2400	5300	2300	C6	3300	5770	6040	2
2	VL35	3500	2700	5600	2400	C6	3400	6070	6340	2
3	VL40	4000	2800	6000	2600	C6	3700	6470	6740	2
4	VL45	4500	2200	6000	2800	C6	4100	6740	6740	2
Door type C6 = 6 panels central doors opening										
Max. travel approx. 13,7 m with standard pit depth (1200 mm) and standard headroom (3400 mm). Higher travels are possible with increased pit/headroom. Min pit 1000 mm under certain conditions, see technical information. For other head rooms please contact GMV office.										
Max speed VL 0,5 m/s										
VL car height 2000-2600 mm										

* *Written dimensions are only examples, other rated loads and car dimensions on request.*