



Leader with more than 750,000 lifts worldwide using GMV technology



**Goods Passenger Lift**



**Vehicle Lift**





## ADVANTAGES

### RELIABLE IN SERVICE

- Robust and durable car design
- Door sills designed for forklift loading

### SAFE

- Type approved in accordance with Lift Directive 95/16/EC
- Power unit and controller are placed in a service friendly machine room
- Automatic return to landing in case of power failure (option)

### FLEXIBLE

- Modular design which fulfils different customers requirements regarding rated load and car dimensions
- The car frame and jack design result in minimum shaft dimensions in relation to the car size

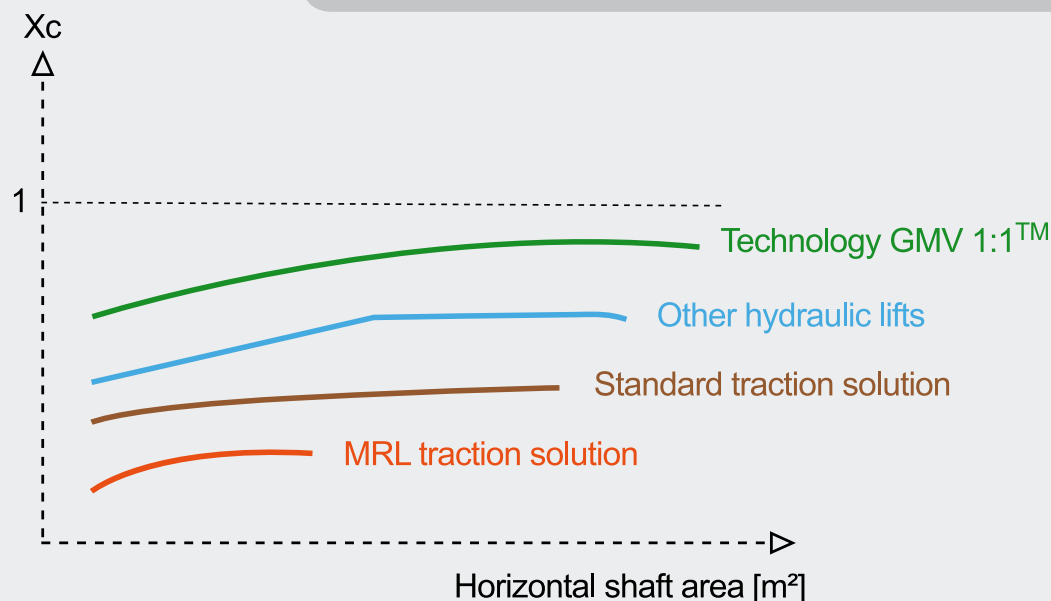
### COST EFFECTIVE

- Components prepared for quick and easy installation
- Low service and maintenance cost due to well known standard GMV components

### 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

## Shaft utility ratio



$$X_c = \frac{\text{Cabin area}}{\text{Shaft area}}$$

## CAR

### CAR SPECIFICATION

- **Size** Width 1200-4350 mm  
Depth up to 6700 mm  
Height 2000-3000 mm
- **Floor** Tear steel plate painted RAL 7004
- **Walls** Zincor plate (not painted)
- **Ceiling** Galvanized steel RAL 9003
- **Bumper** Solid hard wood
- **Sill** Reinforced aluminium as standard and solid steel for forklift model (F)
- **Lighting** Fluorescent, flushed lights T5 standard

### CAR OPTIONS

- **Floor** Inox AISI 304 tear plate or Aluminium five bar
- **Walls** AISI 304 Brushed 180, AISI 304 Linen D25, Zincor plate painted RAL 1015, 7030, 7032, 7035
- **Ceiling** AISI 304 Brushed 180
- **Sill** Reinforced Inox
- **Lighting** LED Lights

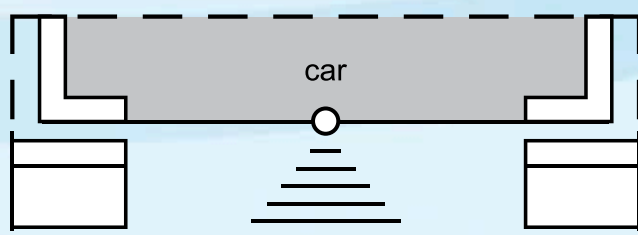
## DOORS

### DOOR SPECIFICATION

- **Size** Width up to 4000 mm  
Height up to 2900 mm
- **Operator** VVVF controlled
- **Finish** Painted Epoxi RAL 7032
- **Sill** Reinforced Aluminium
- **Panels** 2, 4 or 6 central opening
- **Protection** Light curtain

### DOOR OPTIONS

- **Finish** Hairline stainless steel, Linen D25
- **Sill** Solid steel or solid stainless steel
- **Protection** 3D Monitoring system



- **Fire rating** Conforms to local requirements, class E120 - EI30 - EI60 - EI90 - EI120

## COLOURS AND MATERIALS

### WALLS



AISI 304 Brushed 180



AISI 304 Linen D25



Zincor Plate  
Painted RAL 1015



Zincor Plate  
Painted RAL 7030



Zincor Plate  
Painted RAL 7032



Zincor Plate  
Painted RAL 7035

### FLOORS



Inox AISI 304  
Tear Plate



Tear Steel Plate  
Painted RAL 7004



Aluminium  
Five Bar

### CEILING



AISI 304 Brushed 1800



Zincor Plate  
Painted RAL 9003

### DOORS



Epoxi RAL 7032

### BUMPERS - LIGHTING







## COMPONENTS

### 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

- APB (direct control) or Pick up (memorized direct control)
- 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

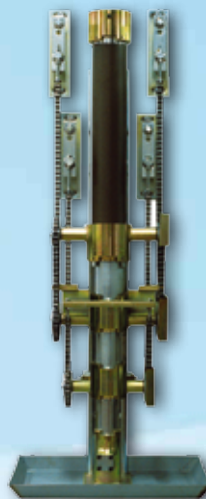
Below are the main components of the lift, which allow a **reduction of the hoistway space, quick and easy installation, safety, reliability and travel comfort.**



FHL 35, FHL 35C



FHL 80F

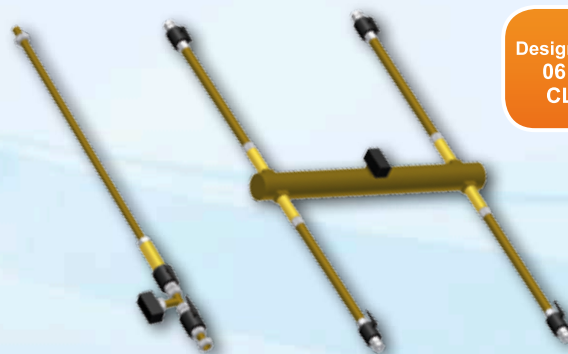


Jack EC



Jack 1008

Design certificate  
91280 - 2011 -  
CE - NOR - DNV



AST 2 - Jack

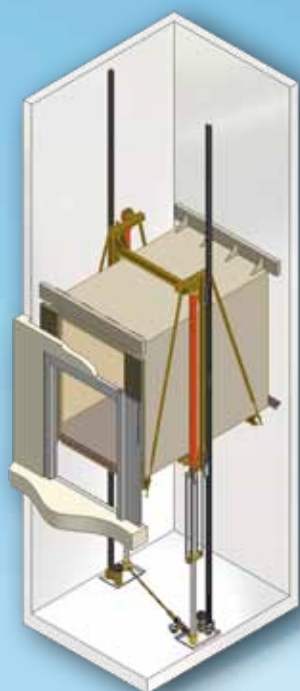
AST 4 - Jack

Design certificate  
06 - GOT -  
CL - 0042

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

## Goods Passenger Lift (GPL)

GPL 25, GPL 40, GPL 40F



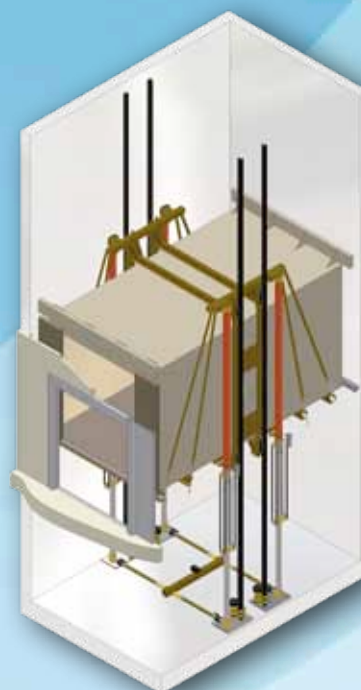
*Payload: from 1500 to 5000 kg*



2 - jacks  
**Passenger - Goodslifts**

Accordance  
with EN 81.2  
harmonized  
standards

GPL 80F



*Payload: from 4000 to 10000 kg*



4 - jacks  
**Passenger - Goodslifts.**  
Ideal for forklift loading and unloading.

## Vehicle Lift (VL)

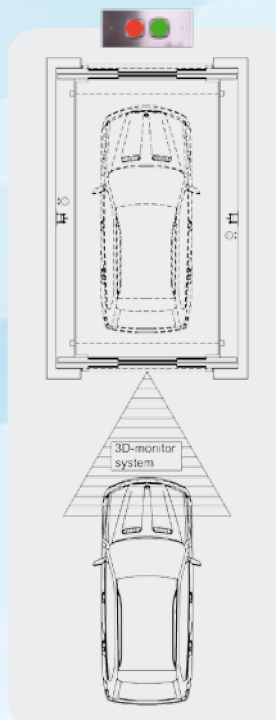
VL 30, VL 35, VL 40

*Payload: up to 4000 kg*

Design certificate  
1935 - 2012 -  
CE - NOR - DNV

3D LIGHT CURTAIN

Car position signal



Safety equipment with infrared sensors, which stops door closure by detecting the car presence up to 0.5 m.

### 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



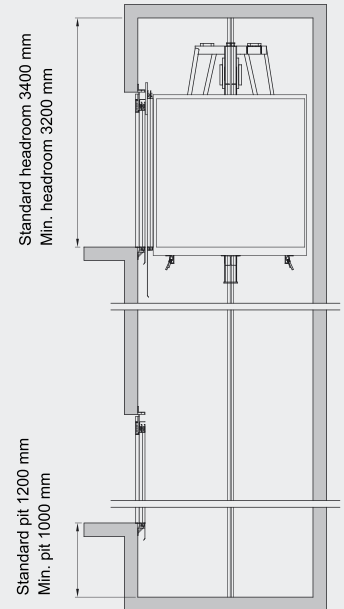
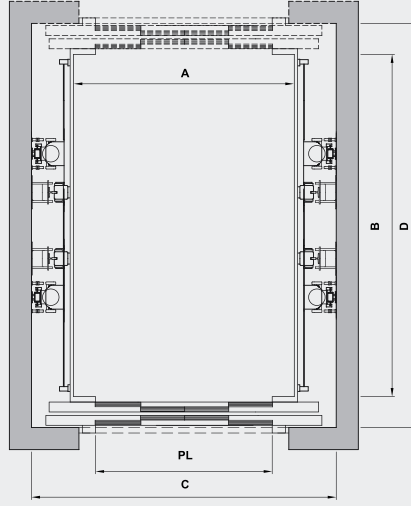
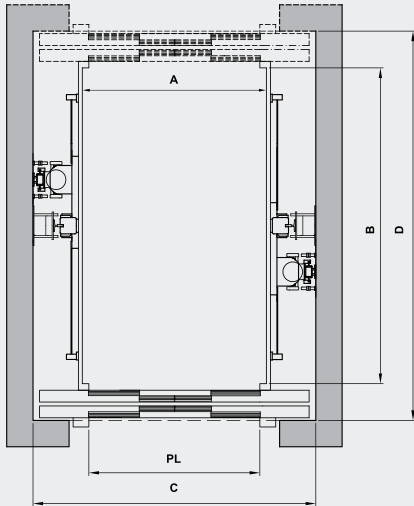
Remote control



## Goods Passenger Lift (GPL)

GPL 25, GPL 40, GPL 40F

GPL 80F



### GPL STANDARD SIZES\*

Lift Type		Rated load	CAR DIMENSIONS		DOOR		SHAFT DIMENSIONS			Jacks [No.]
			A [mm]	B [mm]	PL [mm]	Type	C [mm]	D with 1 entrance [mm]	D with 2 opposite entrances [mm]	
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	2200	3400	1800	C4	2900	3800	3960	2
6	GPL40	3000-5000	2600	3900	2100	C4	3300	4300	4460	2
7	GPL40	3250-5000	2600	4300	2100	C4	3300	4700	4860	2
8	GPL80	3250-6000	2600	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 technical office.

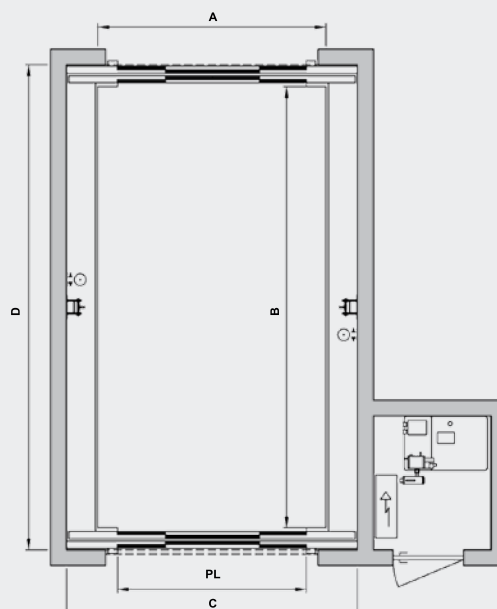
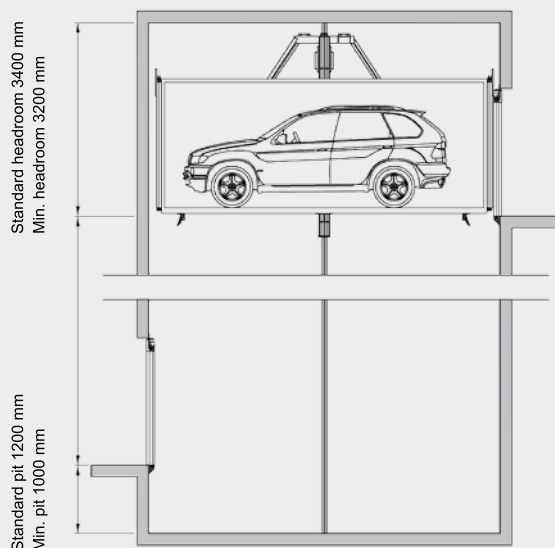
Max speed GPL 0,63 m/s

GPL car height 2000-3000 mm

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

## Vehicle Lift (VL)

VL 30, VL 35, VL 40



### VL STANDARD SIZES\*

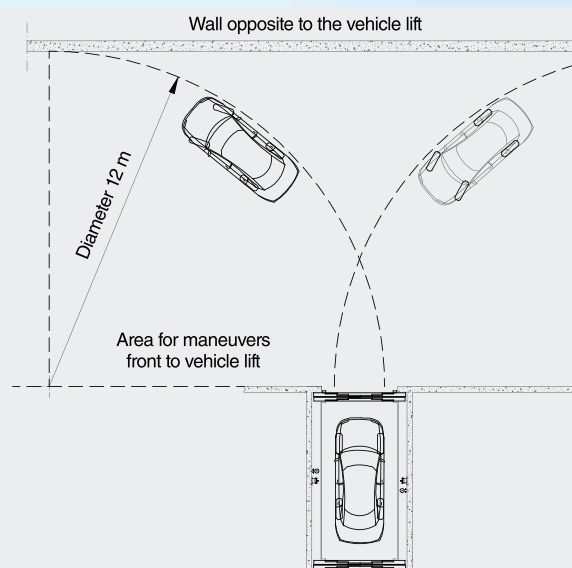
Lift Type		Rated load	CAR DIMENSIONS		DOOR		SHAFT DIMENSIONS			Jacks [No.]
			A [mm]	B [mm]	PL [mm]	Type	C [mm]	D with 1 entrance [mm]	D with 2 opposite entrances [mm]	
1	VL30	3000	2400	5300	2300	C6	3300	5770	6040	2
2	VL35	3500	2700	5600	2400	C6	3400	6070	6340	2
3	VL40	4000	2800	6000	2600	C6	3700	6470	6740	2

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 technical office.

Max speed VL 0,5 m/s -

VL car height 2000-2200 mm



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

In case of road perpendicular to the car's axis, keep a distance of min. 12 m to the opposite wall





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