

> OPTILIFT

WE EXPAND
YOUR PARKING
CAPACITY

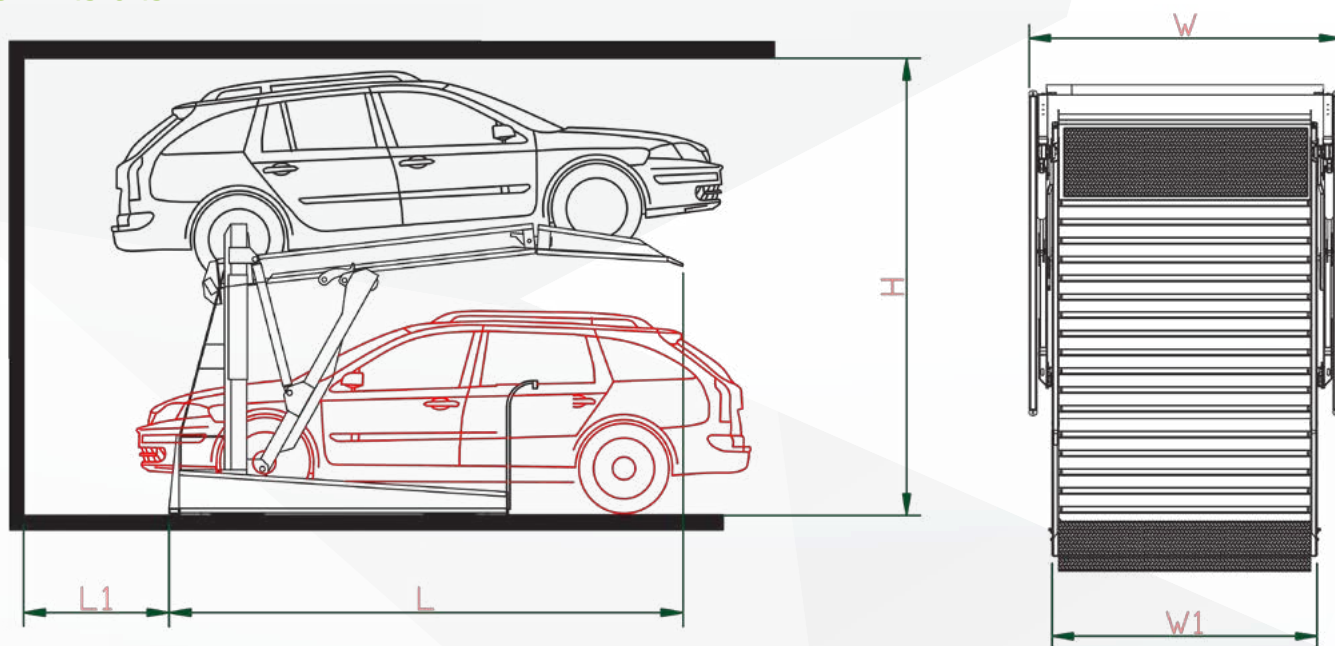


DATASHEET

» GENERAL INFORMATION

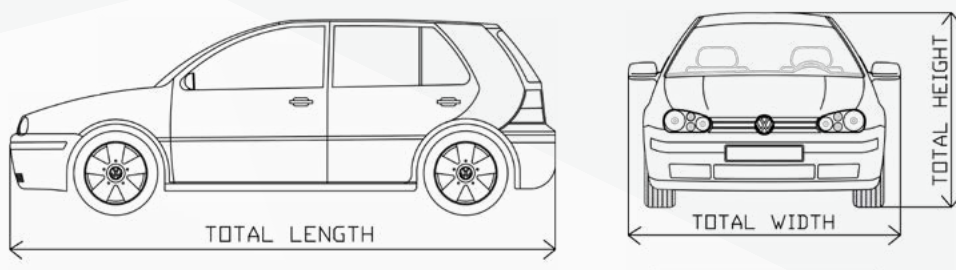
- › Ideal to double existing parking without pit, especially indoor spaces for offices, residential homes, apartments, hotels, public and private parking lots, car collectors car rentals and dealers.
- › Highly suitable for places with low height constraints even 270 cm ceiling height is enough.
- › Tailored production possibility.
- › No need site building for concrete and asphalt ground.
- › Upper platform has got horizontal angular movement. The parking level below has no platform cars are parked directly on the ground.

» DIMENSIONS



Explanation		Optilift
Height Clearance	H	270-315 cm
Platform Length	L	350 cm
Min. Distance from Wall	L1	50 cm
Inner Width	W1	184-200 cm
Total Width	W	234-250 cm
Lifting Capacity		2500 kg
Lifting Speed		36 sn
Motor		2,6 kw / 3 Phase
Total Weight		910 kg

» SUITABLE VEHICLE DIMENSIONS



Explanation	Standard
Total Length Max.	500 cm
Total Width Max.	215 cm
Total Height	150 to 200 cm
Total Weight	3000 kg

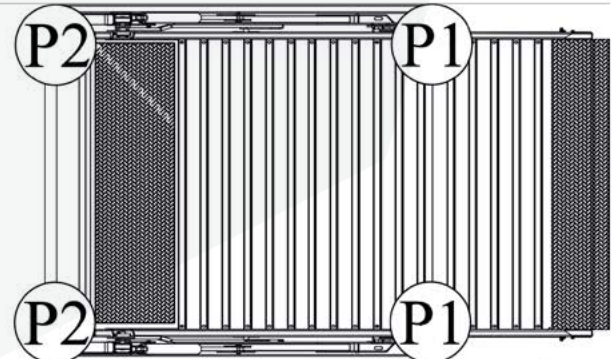
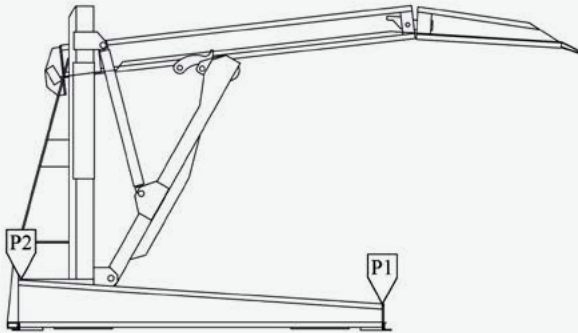
PS: The total car height includes roof rail and antenna fixture and it mustn't exceed mentioned maximum height dimension.

» PROPERTIES OF INSTALLATION AREA

Complete construction and all construction reserves by manufacturer including technical standards, any modifications or environmental regulations. The ground level must be done by the customer in accordance with the manufacturer's drawing

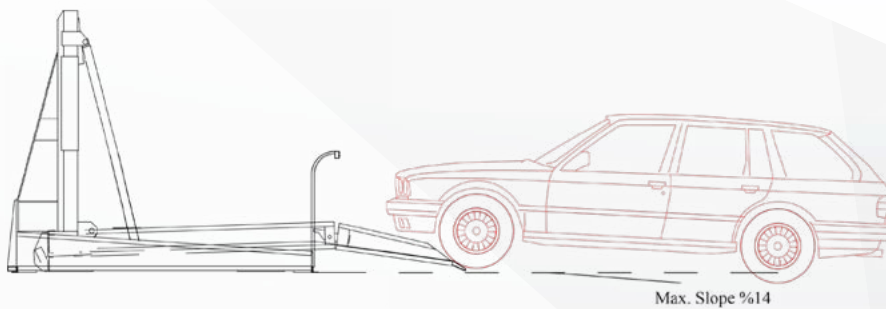
» STATIC AND CONSTRUCTION REQUIREMENTS

In compliance with DIN EN 14010, 10 cm wide yellow-black markings compliant to ISO 3864 must be applied by the customer to the edge of the platform in the entry area to mark the danger zone (provided by the customer)



- > Base plate thickness must be minimum 20 cm
- > Floor and walls are to be made of concrete, quality minimum C25-C30
- > Units are dowelled to the floor. Drilling depth must be minimum 12 cm

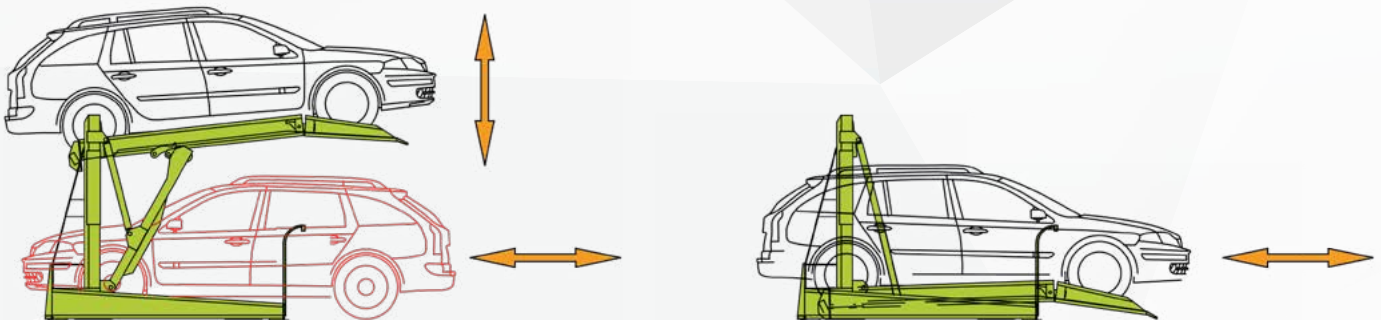
P1	P2
12 kN*	4 kN



The shown above maximum angles have not to be exceeded. Wrong approach angles will cause serious manoeuvring & positioning problems on the parking system for which the local agency of Sanpark will not accepts responsibility.

» TECHNICAL SPECIFICATIONS

» Working Principle



Before lowering the upper platform, the vehicle parked on the lower floor must be driven off!

Power Pack

The power unit for system works in tank (with oil) in order to provide less noise. Although, separate garage is recommended.

Fencing

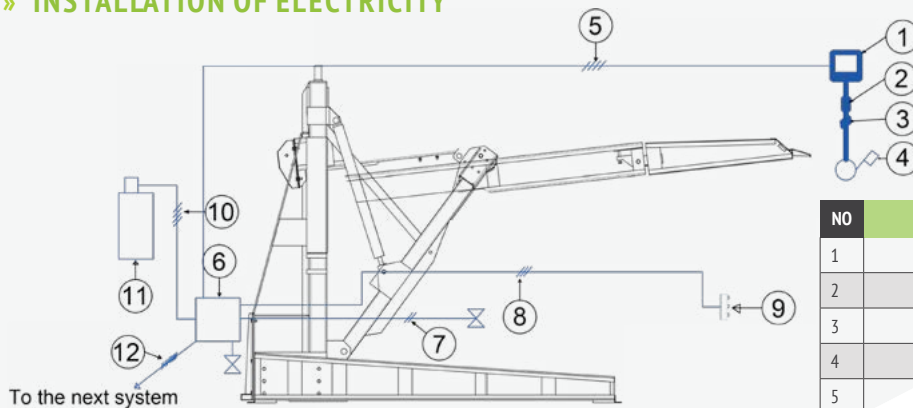
Fencing must be during construction and when the construction area is in living area. Fencing should be in accordance with DIN EN ISO 13857 and installed by the customer.

Climate

Temperature is preferred to be -15 to +45 °C. Relative humidity max. 50 of the outside temperature of +40 °C. The temperature must be of +5 °C when the timing for lifting/ lowering is determined. When the temperature is lower, timing is increasing.

Insulation Of Sound

Sanpark Major Lift parking systems are the part of the building services in accordance with DIN 4109 (Sound insulation in buildings), para.4, annotation 4 (about sound insulation).

» INSTALLATION OF ELECTRICITY


NO	DEFINITION
1	Electricity Meter
2	Min fuse. 3x fuse 16A or circuit breaker 3x16A
3	Supply line 3x2,5mm ² with marked wire and protective conductor
4	Lockable main switch
5	Supply line 4x2,25mm ² (3P+P) with marked wire and protective conductor
6	Terminal Box
7	Control Line 2x0,75mm ² with marked wire and protective conductor
8	Control Line 3x0,75mm ² with marked wire and protective conductor
9	Operating Device
10	Control Line 4x2,5mm ² with marked wire and protective conductor
11	Hydraulic Unit 2,6 Kw, three phase current, 230/380V/50HZ
12	Control Line 10x1mm ² with marked wire and protective conductor

» CUSTOMER RESPONSIBILITIES
Railing for safety

Any constraints which are to provide safety for pathways in front and behind of the unit are in accordance with DIN EN ISO. Also appropriate while construction.

Labeling of parking lots

Parking places are in consecutive.

Concrete and inside building services

Basement, ventilation, lighting, fire extinguishing and fire alarm systems.

Marking

In accordance with ISO 3864 and DIN EN 14010 there must be a warning against danger which should be placed in the entrance that conforms to it. It is appropriate for systems without 10 cm pit from the edge of the platform in accordance with EN 92/58/EWG

Electrical supply to the main switch/Foundation earth connector

Suitable electrical supply to the main switch and the control wire line must be provided by the customer during installation. The functionality can be monitored on site by our fitters together with the electrician. If this cannot be done during installation for some reason for which the customer is responsible, the customer must commission an electrician at their own expense and risk. In accordance with DIN EN 60204 (Safety of Machinery. Electrical Equipment), grounding of the steel structure is necessary, provided by the customer (distance between grounding max. 10m).

» OPTILIFT COMPONENTS

› PALTFORM	› HYDRAULIC SYSTEM	› ELECTRIC SYSTEM	› OPTILIFT SYSTEM	› HYDRAULIC UNIT
1. Side members	1. Hydraulic cylinder	1. Emergency stop	1. 2 pcs steel columns with base plates	1. Hydraulic power unit
2. Platform base sections	2. Solenoid valve	2. Electrohydraulic locking device	2. 2 pcs angular movable arms and a slide bar	2. Hydraulic oil reservoir
3. Adjustable wheel stops	3. Safety valve	3. Electromechanic locking device	3. Mechanical locking device	3. Oil filling
4. Adjustable slope	4. Screwed joints	4. Terminal box	4. 1 pc platform	4. Internal gear pump
5. Screws, nuts, washers, distance tubes, etc.	5. High-pressure hoses	5. 1 master key for each parking place		5. Pump holder
	6. Installation material			6. Clutch
				7. 3 phase AC motor (2,6kW, 380V, 50 Hz)
				8. Contactor
				9. Pressure relief valve
				10. Hydraulic hoses