

OPS Optimal Parking Solutions

Opti-Park H250 Double Stacker Car Parking Lift Catalogue



> H250 key features

The Opti-Park H250 2 post car parking lifts offer a cost effective solution for increasing car parking capacity in both commercial and residential environments.

The H250 can be installed both inside and outside and has a post sharing feature to maximise space.

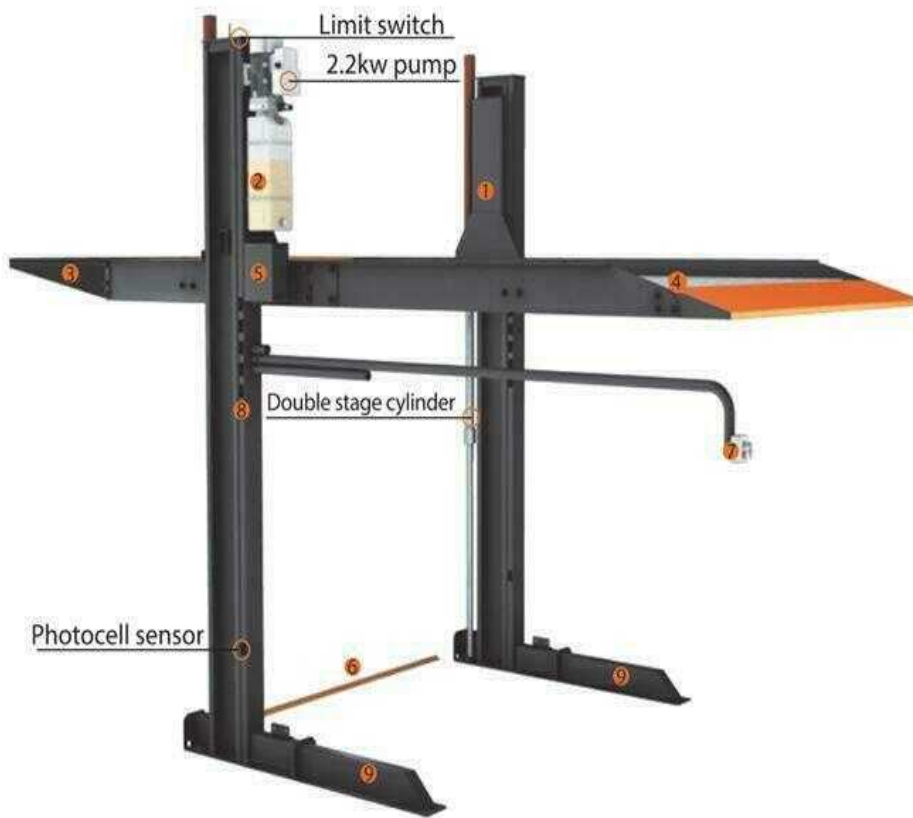


- Accommodates most types of vehicles -
- 2,300kg or 2,700kg load capacity
- 10 year warranty on structure and 3 years on parts
- height adjustable
- Single or 3 phase electrical supply
- Electric key switch enables safe and secure operation
- Automatic shut off when key is released
- Dynamic lock anti-falling device
- Manual lock release option
- Photocell stops lift when obstructed
- High quality AkzoNobel paint finish
- Reliable operation record
- Rapid ascend and descent time
- Can be customised as desired



Opti-Park H250

General Components



Opti-Park H250



Key Switch Detail



- 1 Carriage
- 2 Transparent Oil Tank
- 3 Galvanised Waving Plate
- 4 Ramp
- 5 Electronic control box
- 6 Oil pipe protector
- 7 Key switch & Emergency stop button
- 8 Dynamic anti-falling lock
- 9 Front stabilisers



- **TUV certified (the most authoritative safety certification in the world)**

Certification standard 2006/42/EC and EN14010

- **Low usage cost**

Platform is lowered by gravity with zero electricity consumption.

- **Superior Ashkenasi hydraulic structure**

The hydraulic system is a German top-level product structure design, which is stable, reliable and provides many years of trouble free operation

European electrical control system

- Enables higher safety and reliability

Galvanised platform

- High quality durable finish that lasts

Zero accident security system

- Multiple component security system with zero accident record

Dynamic locking device

- Locking tabs at every 100mm on each post prevent cars from falling

High quality electric motor

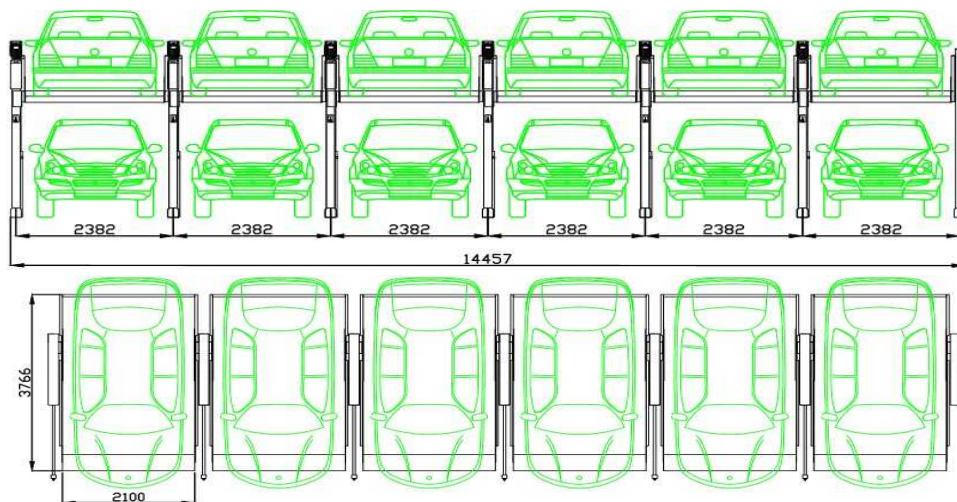
- Siemens power pack unit system



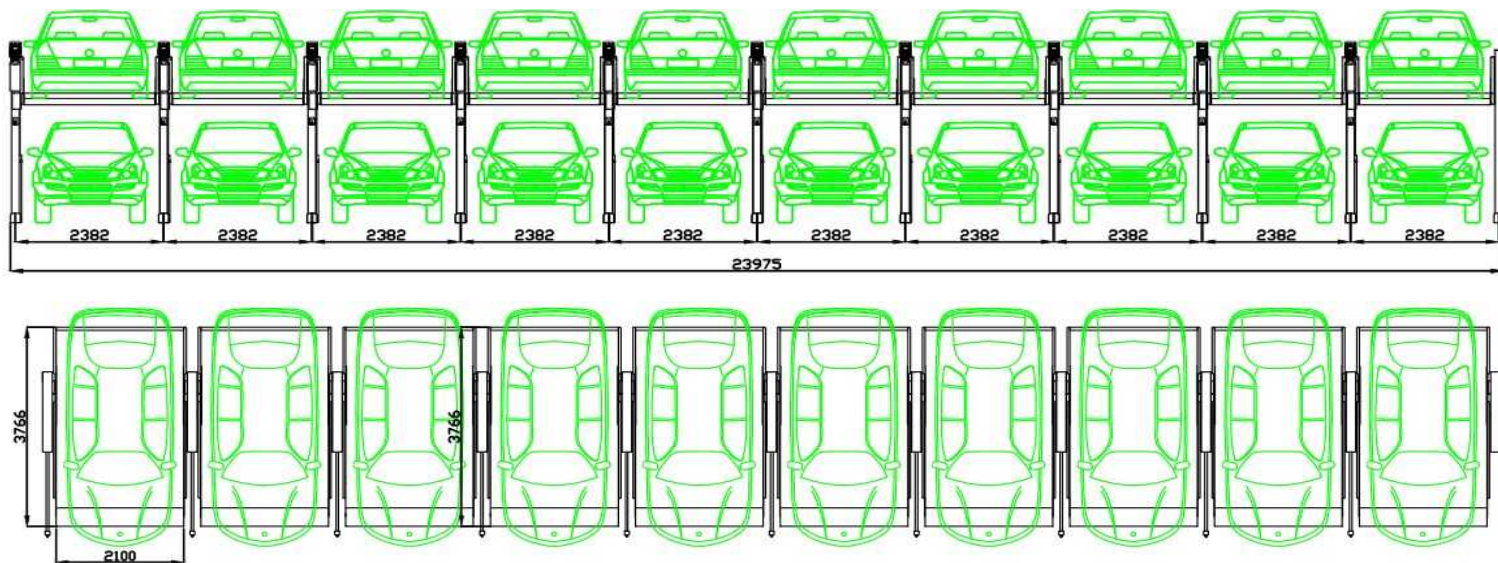
Post Sharing Feature

Any number of units can share posts to maximise space

X6 units post sharing



X10 units post sharing



> General

Model	Opti-Park H250 2,700kg	Opti-Park H250 2,300kg version
Vehicles parked per unit	2 version	2
Rated capacity	2700kg	2300kg
Available car length	5000mm	5000mm
Available car width	1850mm	1850mm
Available car height	2050mm	2050mm
Drive mode	Hydraulic cylinder + chains	Hydraulic cylinder + chains
Operation	Key switch	Key switch
Lifting speed	<50s	<50s
Descending speed	<35s	<35s
Power supply	100–480V, 1/3P, 50/60Hz	100–480V, 1/3P, 50/60Hz
Finishing	Powder coating with Akzo Nobel powder	Powder coating with Akzo Nobel powder

> Hydraulic

Model	Opti-Park H250 2,300kg version	Opti-Park H250 2,700kg version
Pump motor power	2.2Kw	2.2Kw
Pump flow	2.6ML/r	2.6ML/r
Pump working pressure	16-17MPa	16-17MPa
Hydraulic cylinder	Italian Aston seals	Italian Aston seals
Hydraulic oil	L-HV 46#	L-HV 46#
Lifting chain	LH1266	LH1266
Balance chain	LH1066	LH1066

Limit switch at the top of the post stops the platform at the set height.

Pressure relief valve and pressure compensate flow control valve

Auto locking system in case electrical failure

Mechanical anti-falling safety lock every 100mm on the post

Photocell sensor to stop lift if there is trespass

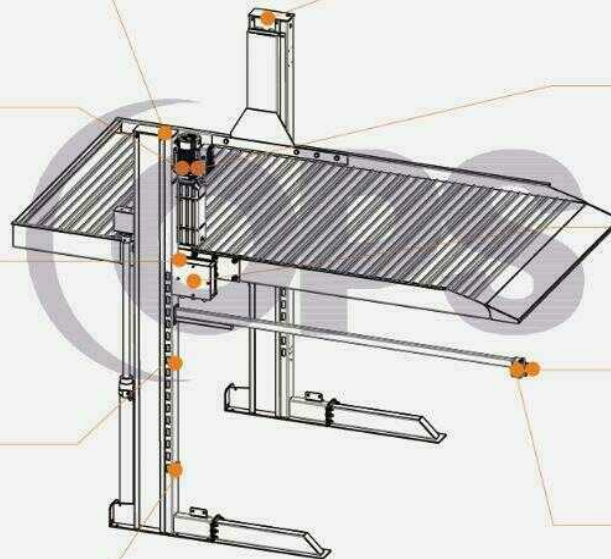
Synchronisation chain

Overload protection device for hydraulic power pack

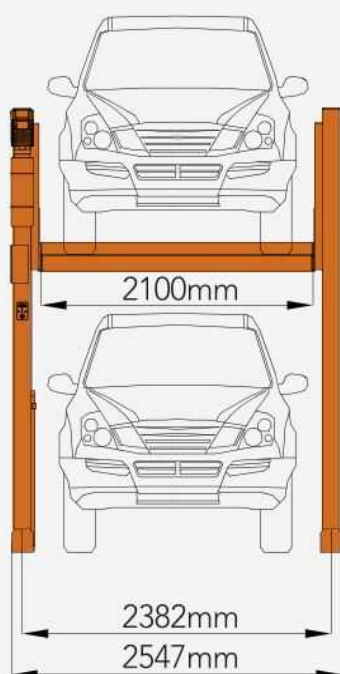
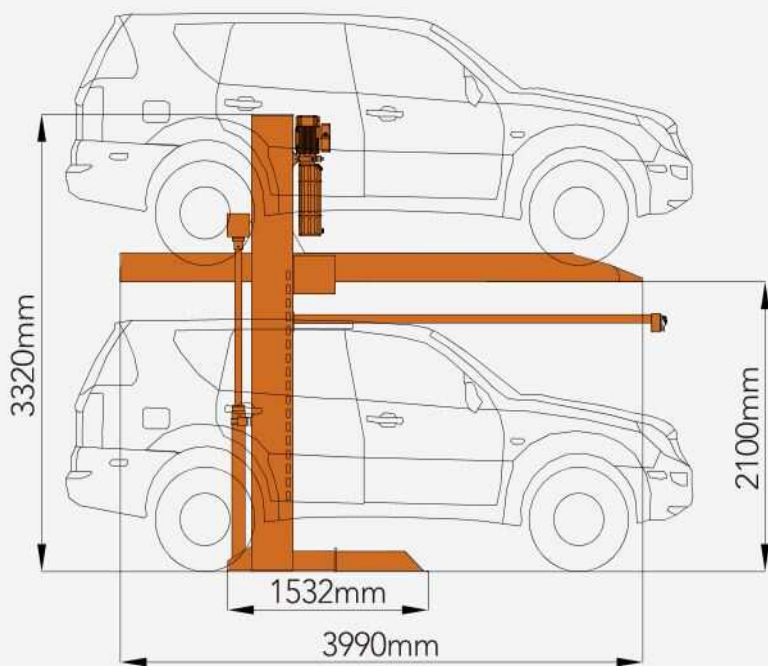
Electric protection for power over load or under voltage

Emergency stop button

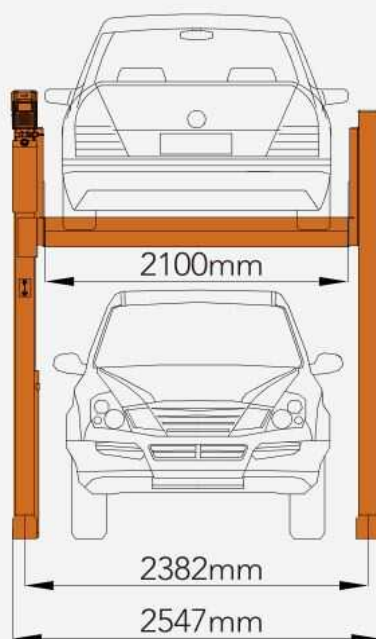
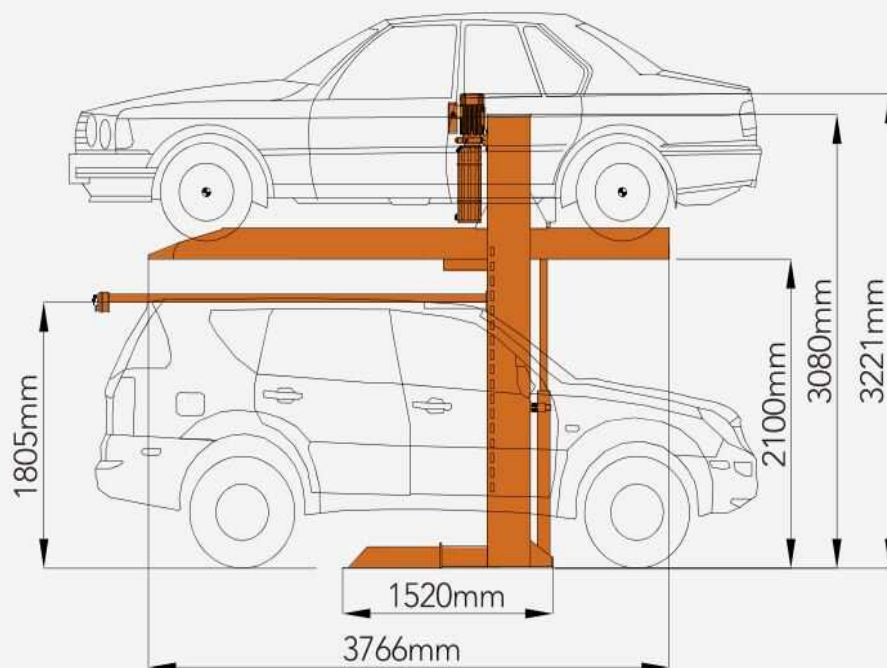
Key switch



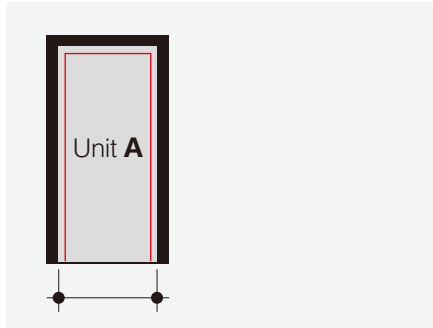
> Opti-Park H250 2,700kg version



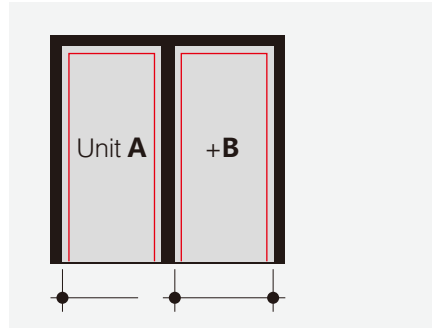
> Opti-Park H250 2,300kg version



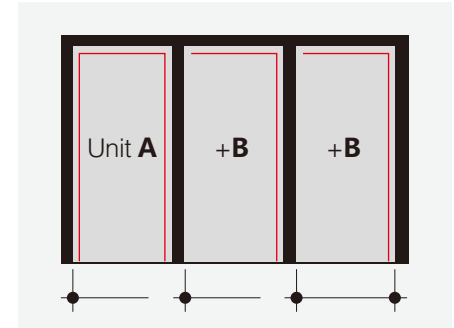
> Width dimensions single unit (2cars)



Total width required	Clear platform width
2547	2100
2647	2200
2747	2300
2847	2400



Total width required	Clear platform width
4929	2100
5129	2200
5329	2300
5529	2400



Total width required	Clear platform width
7311	2100
7511	2200
7711	2300
7911	2400

> Notes

Clear platform width of 2100 mm for car widths of 1850 mm. For large **vehicles** we recommend a clear platform width of at least 2300-2500 mm.

According to ISO 3864 the floor has to be marked with 100 mm wide yellow-black at a distance of 500 mm from the platform edge by the purchaser **or the OPS installation engineers**.

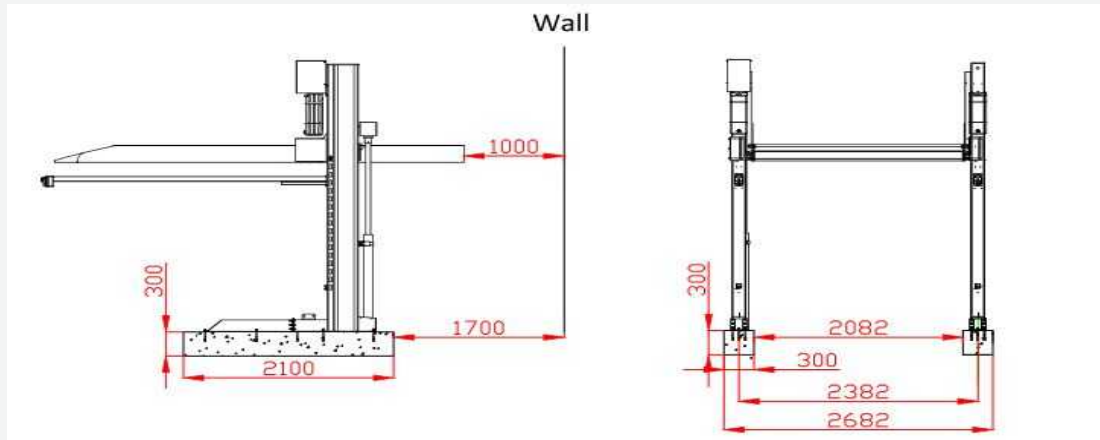
The lowering speed of an empty platform is considerably lower than a loaded one.

It is not possible to have channels or undercuts and/or concrete haunches along the floor-to-wall joints. In the event that channels or undercuts are necessary, the system width needs to be reduced or the installation width needs to be wider.

OPS reserves the right to construction or model modifications and/or alterations. Furthermore, the right to any subsequent part modification and/or variations and amendments in procedures and standards due to technical and engineering **processes** in part or due to environmental regulation changes, are also hereby reserved.

Installation requirements and Weather protection

The H250 requires a level reinforced concrete foundation with a minimum depth of 150mm (laid on hardcore) with a compression strength of 200kg/cm. The concrete should be cured for at least 30 days.



A weather protect kit is required for outdoor installations which consists of a motor cover, chains with weather protection coating and weather sealed electrical components.



Example of H250s with motor covers and other weather kit components

> Scope of application

Suitable for residential **garages**, buildings, office buildings and business premises **and** hotels.
Only for long-term users that have been instructed on how to use the system.
For frequently changing users (e.g. hotel and **customer car park** or similar) **valet parking is required** or parking on ground level **only** (consult OPS for advice).

> Electrical installation preparation

Cabling preparation to be performed by the customer's **electrician** or by an OPS contractor: **All electrical works must be completed prior to installation.**

> Noise protection

Insulation **is required** of the construction of min. $R_w = 57$ dB Walls which are bordering the parking systems, **which** must be done as single wall and deflection resistant with min. $m = 300 \text{ kg/m}^2$
Solid ceiling above the parking systems with min. $m = 400 \text{ kg/m}^2$
At differing constructional conditions additional sound absorbing measures are to be provided by the customer
The best results are reached by separated sole plates from the construction.

> Temperature

The **H250** is designed to operate between $+5^\circ\text{C}$ and $+40^\circ\text{C}$. Atmospheric Humidity: 50% at $+40^\circ\text{C}$. If the local circumstances differ from the above please contact **OPS for advice**.

> Protection against corrosion

Maintenance has to be carried out according to **the recommended** Maintenance Instructions.
Clean up **galvanised** parts and platforms of dirt and road salt as well as other pollution **to avoid corrosion**.

> Fire safety

Fire safety requirements **which apply for commercial buildings** (fire extinguishing systems and fire alarm systems, etc.) are to be provided by the customer.

> Railings

If walkways are arranged directly to the side or behind the systems, railings have to be provided acc. EN ISO 13857 by **the client** to local requirements, height min. 1100mm.



- > Lubrication on guide rail and guide pulley once per month.



- > Lubrication on balance chain once per month.



- > Change all the hydraulic oil three months after first operation; and change oil every nine months after first changing.



- > Frequently check the screw nuts of bolts fixing the electromagnet and locking plate, if any screw nut is loosening please fasten it asap.



- > If any noise comes out from electromagnet unit it will require replacement.



- > The seal in hydraulic cylinder should be replaced every two years.



- > The roller and sliding block should be replaced every two years.



- > The valve element in solenoid valve and filter in power unit should be cleaned every **six months**.



- > Before operation, check **all electrical connections** including photocell sensor. If unit is not operating correctly contact OPS service team.

All H250 units should be serviced every six months by the OPS Service Team.

The Optimal Parking Solutions team comprise leading individuals in the car and passenger lift industry.

We have many decades of experience in supplying both commercial and residential clients all over the UK.

Our team can provide a full turnkey solution to client requirements which includes technical expertise in the design, supply, installation and maintenance of all types of car lifts, semi and fully automated parking systems and passenger lifts.

We are sole distributors for premium European manufacturers and economy products from a leading Chinese manufacture.

Our mission is to ensure all our clients receive the best possible solutions, a positive customer experience and good return on any project investment.

For warranty repairs and/or maintenance contact:
Telephone: 03333 445 272 (24/7: 07741 890001)
Email: service@optimalparkingsolutions.com

OPS have preferred electrical contractors and groundworks engineers.

Please ask the service team for details.

Optimal Parking Solutions Limited Level 3 203
Regent Street
London W1B 3HH

Lastly here's some comments from H250 customers:

"OPS have allowed us to maximise the potential of our sites. We have seen a return on investment within months of installation. A really good quality product at a price that's very approachable. We are already exploring options to use their solutions elsewhere on our estate". Aaron Kedward

Property Central Operations UK

Sixt Rent a Car



"We have purchased car stackers from a number of suppliers over the years and both the quality of the OPS product and the overall service they have provided has been superior to the others. Their prices are very competitive and I am more than happy to recommend OPS".

Jock Ventriglia Managing Director

VW Panels Ltd

