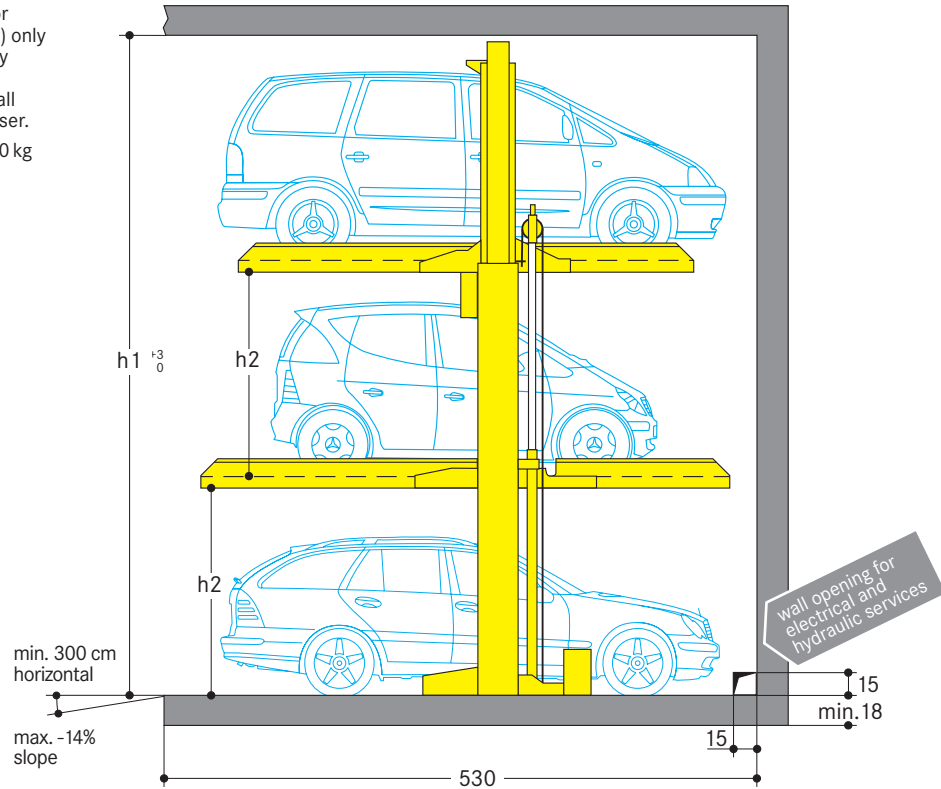
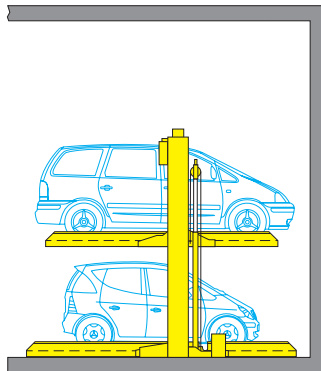


* In case of short time user (e.g. for office-, hotel-, commercial building) only possible on lower platform and only if technically adjusted, ask WÖHR!
Or with attendant or valet parking all levels are possible for short time user.
Load per platform max. 2000/2600 kg
(load per wheel 500/650 kg)
Dimensions in cm

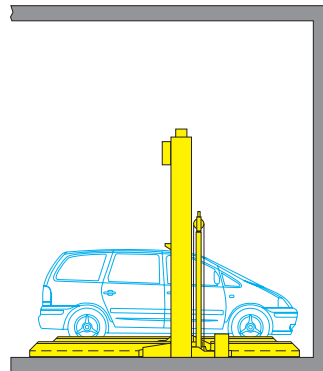


	Parklift 421-500	Parklift 421-530	Parklift 421-560	Parklift 421-590
Height h1	500	530	560	590
Height h2	155	165	175	185
Car height	150	160	170	180

Function

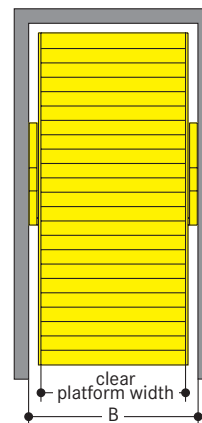


Before lowering the platforms, the car on the entrance level must be driven off!



Before lowering the upper platform, the car on the middle level must also be driven off!

Width dimensions



Space required B	gives clear platform width	
	upper level	middle level
260	220	230
270	230	240
280	240	250
290	250	260
300	260	270

Notes

- Car width max. 190 cm. In case of special platform widths narrower than 230/240 cm respectively, the maximum vehicle width is reduced accordingly. For cars with two outside mirrors, a minimum platform width of min. 250 cm is recommended.
- According to ISO 3864 the floor has to be marked with 10 cm wide yellow-black stripes at a distance of 35 cm from the platform edge by the purchaser (see "statics and construction requirements" on page 2).
- The manufacturer reserves the right to modify or alter above specifications.

Electrical datas

Item	Performance	Quantity	Designation	Position	Frequency
1	by customer	1 unit	electric meter	in the feed cable	
2	by customer	1 unit	fuse or automatic circuit breaker 3 x 25 A slow blow acc. to DIN VDE 0100 p. 430	in the feed cable	1 per power pack
3	by customer	as locally required	acc. to local power supply regulations 3 Ph + N + PE*	feed cable to main switch	1 per power pack
4	by customer	each 10 m	foundation earth connector	corner pit floor/rear wall	
5	by customer	1 unit	equipotential bonding acc. to local requirements	from foundation earth connector to Parklift	1 per Parklift
6	by customer	1 unit	marked main switch, lockable to prevent unauthorized switching on	above operating device	1 per power pack
7	by customer	10 m	PVC control cable with marked strands and protective conductor 5 x 2,5 ²	from main switch to hydraulic power pack	1 per power pack

Items 8–16 are included in Wöhr's scope of delivery unless otherwise specified in the offer/order.

* DIN VDE 0100 part 410 + 430 (not under permanent load) 3PH+N+PE (three-phase current) Note: Where a door is used to close the garage, the manufacturer of the door must be consulted before the electric cable is laid.

The electrical components supplied by the manufacturer must be connected in accordance with the appropriate wiring diagram and local regulations. German VDE electrical requirements must be adhered to, in order to validate the TÜV tested circuit.

The electrical supply to the power pack(s) must be provided

prior to or during installation to enable our fitters to complete their work satisfactorily and to check the correct functioning of the units.

Parklifts has to be grounded to the foundation earth connector by customer. A foundation earth connector should be provided by customer each 10 m or acc. to local requirements.

Noise protection

Basis is the German DIN 4109 "Noise protection in buildings".

With the following conditions required 30 dB (A) in rooms can be provided:

- noise protection package from our accessory
- insulation figure of the construction of min. $R'_{w} = 57$ dB
- walls which are bordering the parking systems must be done as single wall and deflection resistant with min. $m' = 300$ kg/m²
- solid ceiling above the parking systems with min. $m' = 400$ kg/m²

At differing constructional conditions additional sound absorbing measures are necessary.

The best results are reached by separated sole plates from the construction.

Increased noise protection:

If increased noise protection must be provided planning has to be confirmed on a project basis by Wöhr (further building measures are required).

Temperature

The installation is designed to operate between +5°C and +40°C. Atmospheric Humidity: 50% at +40°C. If the local circumstances differ from the above please contact Wöhr.

Hydraulic power packs

For the accommodation of the hydraulic power packs an additional space is required which will be determined during the verifications of the drawings, e.g. in a wall recess.

Dimensions

All dimensions shown are minimum. Construction tolerances must be taken into consideration. All dimensions in cm.

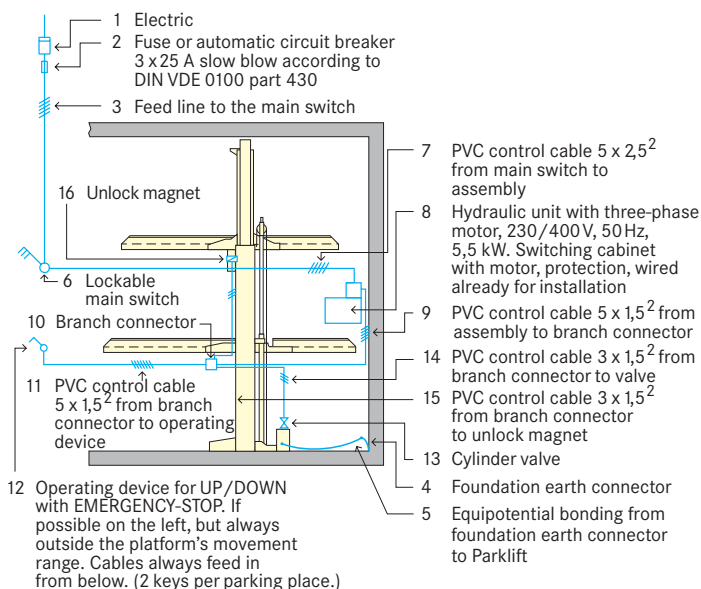
Conformity test

All our systems are checked according to EC machinery directive 98/37/EG and EN 14010.

Railings

If walkways are arranged directly to the side or behind the systems, railings have to be provided acc. EN ISO 13857 by client acc. to local requirements, height min. 200cm.

Installation diagram



Maintenance

Regular maintenance by qualified personnel can be provided by means of an Annual Service Contract.

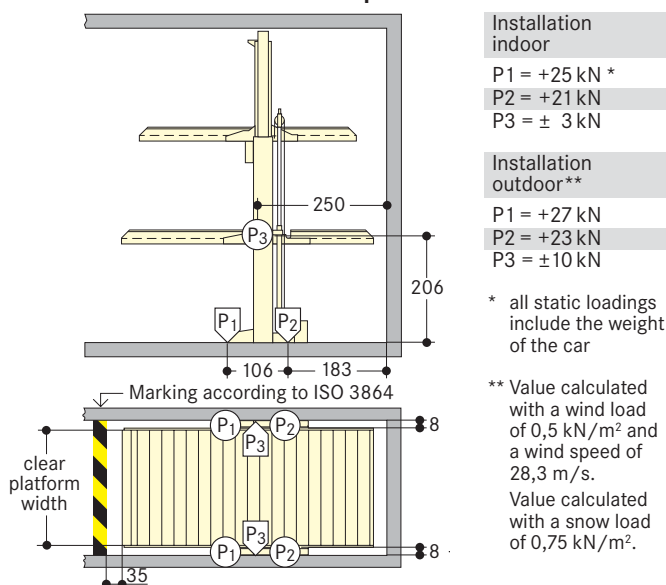
Protection against corrosion

Independent of a maintenance workings has to be carried out acc. to Wöhr Cleaning and Maintenance Instruction regularly.

Clean up galvanized parts and platforms of dirt and road salt as well as other pollution (corrosion danger)!

Pit must be always ventilated and deaired well.

Statics and construction requirements



The units will be fixed on the anchor points with heavy duty anchor bolts to a depth of approx. 10–12cm.

Base plate thickness minimum 18 cm! Concrete quality C20/25.

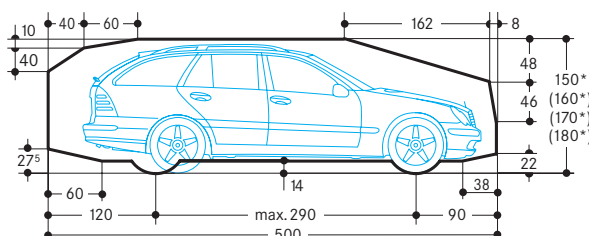
Special foundations are required with asphalt floors or paving-stones.

For outdoor installation sidewise supporting is necessary; available against additional charge.

Notes

In case of lower cars with spoilers, contact Company Wöhr or local agent (see "clearance profile").

Clearance profile (standard car)



* The total car height includes roof rail and antenna fixture must not exceed the mentioned max. height dimension.