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We compact parking space

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### Width dimensions · Underground garages

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

The access to the Parklift should be flat of with an declination of max. 5% for a distance of 200 cm immediately in front of the pit. Beyond this the slope should not exceed 14%.

If not stated differently in the offer, platform widths of 230 cm or 460 cm will be delivered. Bigger/smaller platform widths can be delivered at additional price.

#### Wall to wall







Wall openings required between partitions for electrical and hydraulic conduits must be provided where applicable. Wall openings may not be closed after installation.

Space required B	gives clear platform width	
280	230	
290	240	
300	250	
310	260	
320	270	





Further width combinations as well as smaller widths are possible

# Pillars outside pit

Single unit (3 cars)



Space required wall- pillar- pillar pillar B B1		gives clear platform width	
270	250	230	
280	260	240	
290	270	250	
300	280	260	
310	290	270	



Space required wall- pillar- pillar pillar B B1		gives clear platform width	
500	485	460	
520	505	480	
540	525	500	



Further width combinations as well as smaller widths are possible

## Pillars inside pit





Space r wall- pillar B	pillar- pillar B1	gives clear platform wid
270	250	230
280	260	240
290	270	250
300	280	260
310	290	270

Double unit (6 cars)



space wall- pillar B	required pillar- pillar B1	gives clear platform width
500	485	460
520	505	480
540	525	500

Combinated unit (9 cars)



Further width combinations as well as smaller widths are possible

### Important notes

If maximum platform widths are not installed, difficulties might arise when entering or exiting the cars on the parking units. This depends on the car type, the access and the individual driving behaviour.

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Cars wider than 190 cm should be parked on platforms 270/500 cm width only. For spaces against walls or at end of rows we recomme

For spaces against walls, or at end of rows, we recommend that largest possible platform widths are utilized to assist turning motion.

## Width dimensions · Garages with doors

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## Hydraulic power pack

The location of the hydraulic power pack is determined according to your plan – space requirements are as follows:

Dimensions are in cm	1 single unit or 1 double unit	2–5 single units or 2–3 double units	
Länge =	100	200	
Höhe =	140	140	
Tiefe =	30	30	

Parklift 403 · 09.2008 · C027-4130

## 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 $\times$ 25 A slow blow acc. to DIN VDE 0100 p. 430	in the feed cable	1 per powerpack
3	by customer	as locally required	acc. to local power supply regulations 3 Ph + N + PE*	feed cable to main switch	1 per powerpack
4	by customer	each 10 m	foundation earth connector	comerpit floor/ rearwall	
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 powerpack
7	by customer	10 m	PVC control cable with marked strands and protective conductor $5 \times 2,5^2$	from main switch to hydraulic power pack	1 per power pack
Item	Items 8–15 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 suppliedbythemanufacturer 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. 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.

At differing constructional

necessary.

the construction.

conditions additional sound absorbing measures are

The best results are reached by separated sole plates from

Increased noise protection:

If increased noise protection

to be confirmed on a project

measures are required).

must be provided planning has

basis by Wöhr (further building

system via a petrol/oil interceptor. To prevent any possibility

of contamination of the ground-

water we recommend that the

pit floor is coated with an oil

proof paint.

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

## 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'<sub>W</sub> = 57 dB
- walls which are bordering the parking systems must be done as single wall and deflection resistant with min. m'= 300 kg/m<sup>2</sup>
- solid ceiling above the parking systems with min.
  m' = 400 kg/m<sup>2</sup>

#### Temperature

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

## Drainage

We recommend the provision of a drainage channel at the front of the pit which can either incorporate a pump sump  $50 \times 50 \times 20$  cm, or a connection into the storm water sewerage

Conformity test

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

#### Illumination

Illumination has to be considered acc. to local requirements by client.

### Free spaces

Special drawings for free spaces to accommodate air ducts or other pipes can be requested at Wöhr Agent!

### Installation diagram



Operating device for UP/DOWN with EMERGENCY-STOP. If possible on the left, but always outside the platform's movement range. Cables always feed in from below. (2 keys per parking place.)

#### Recesses and conduits for rotary switches with rolling and sectional gates



B Flexible plastic insulation pipe M 20

## Railings

The units need to be provided acc. EN ISO 13857 with safety railings if the gap between unit and wall exceeds 20 cm. If walkways are arranged directly to the side or behind the systems, railings have to be provided by client acc. to local requirements, height min. 200 cm – this is applicable during the construction phase too.

## Pre-installation of pillars

The installations of the pillars of the Parklift should be done before the ceiling of the garage is finished with the aid of a crane. The pillars are about 700 cm long and weigh 1.200 kg with the single unit and 2.000 kg with the double unit. Aternatively it is possible to install the pillars later, if recesses in the ceiling can be provided. Please ask for details.

#### 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 dearated well.

#### Dimensions

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

#### Notes

Standard lowered cars can park only partly, if necessary additional adjustments can be carried out.