

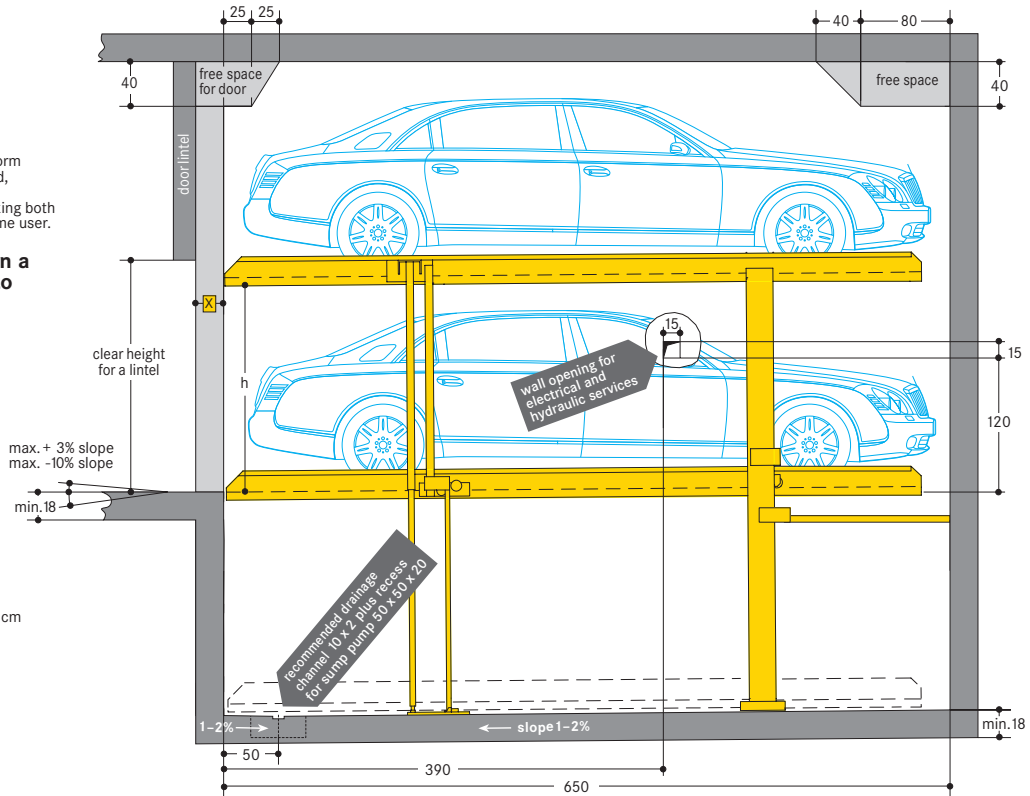
Single unit = 2 cars

Suitable for condominium and office buildings.
For permanent use only!*

* In case of short time user
- only possible on upper platform
and only if technically adjusted,
ask supplier WÖHR!
Or with attendant or valet parking both
levels are possible for short time user.

Both platforms are in a horizontal position to drive in.

**Load per platform
max. 3200 kg
(load per wheel
max. 800 kg)**

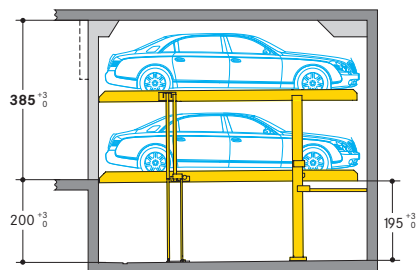


X = only applicable if garage doors are to be fitted.
For roller doors x = 10 / 15 cm

X = to be clarified with door supplier

Dimensions in cm

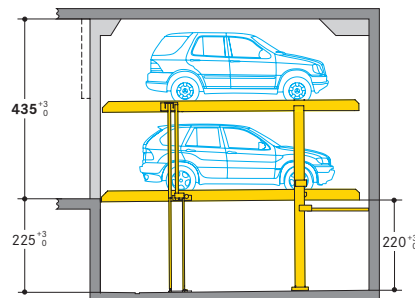
Comfort type 440-200/195 · 3200 kg



	car height	distance (h)
UL	cars/vans/SUVs up to 180 cm	
LL	cars/vans/SUVs up to 180 cm	185

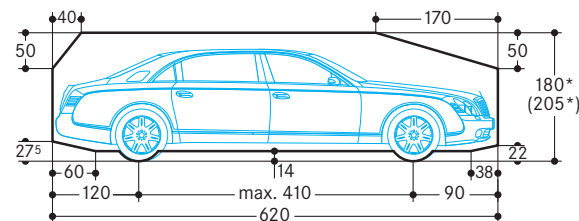
UL = upper level, LL = lower level

Premium type 440-225/220 · 3200 kg



	car height	distance (h)
UL	cars/vans/SUVs up to 205 cm	
LL	cars/vans/SUVs up to 205 cm	210

Clearance profile



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

Notes

1. Due to the car dimensions only platform width of 2,70 m is available.
2. At the edge of the pit a 10 cm wide, yellow-black marking according to ISO 3864 has to be provided by the purchaser (see "statics and construction requirements" on page 3).
3. It is not possible to have channels or undercuts and/or concrete haunches along the pit floor-to-wall joints. In the event that channels or undercuts are necessary, the system width needs to be reduced or the pit needs to be wider.
4. The manufacturer 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 progresses in the art or due to environmental regulation changes, are also hereby reserved.

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 is possible with max. 3% declination and max. 10% inclination.

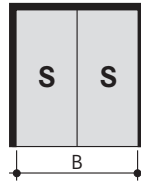
Wall to wall

Single unit (2 cars)



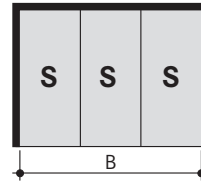
Space required	gives clear
wall-pillar B	platform width
300	270

Two single units (4 cars)



Space required	gives clear
wall-pillar B	platform width
600	270+270

Three single units (6 cars)



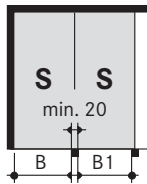
Space required	gives clear
wall-pillar B	platform width
900	270+270+270

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

The driving aisle width to be compliant with country regulations locally in force.

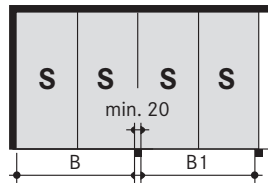
Pillars outside pit

Single unit (2 cars)



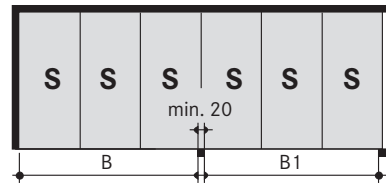
Space required	gives clear
wall-pillar B	platform width
290	270
280	

Two single units (4 cars)



Space required	gives clear
wall-pillar B	platform width
590	270+270
580	

Three single units (6 cars)

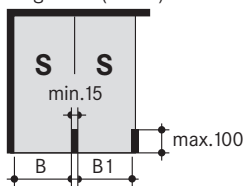


Space required	gives clear
wall-pillar B	platform width
890	270+270+270
880	

The driving aisle width to be compliant with country regulations locally in force.

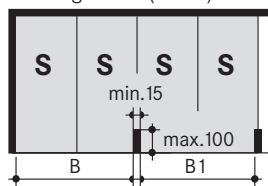
Pillars inside pit

Single unit (2 cars)



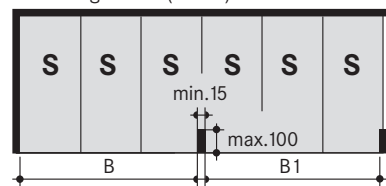
Space required	gives clear
wall-pillar B	platform width
295	270
285	

Two single units (4 cars)



Space required	gives clear
wall-pillar B	platform width
595	270+270
590	

Three single units (6 cars)



Space required	gives clear
wall-pillar B	platform width
895	270+270+270
890	

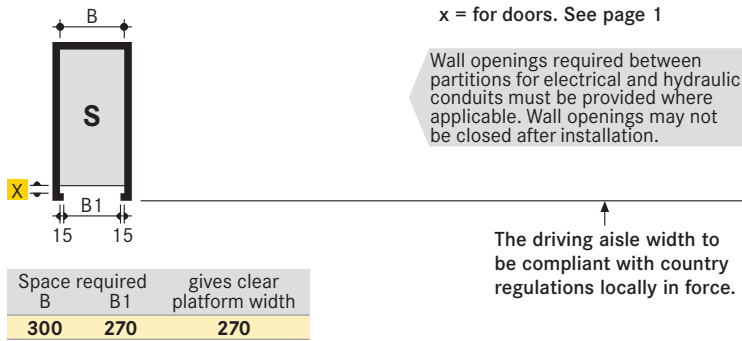
The driving aisle width to be compliant with country regulations locally in force.

Width dimensions · Garages with doors

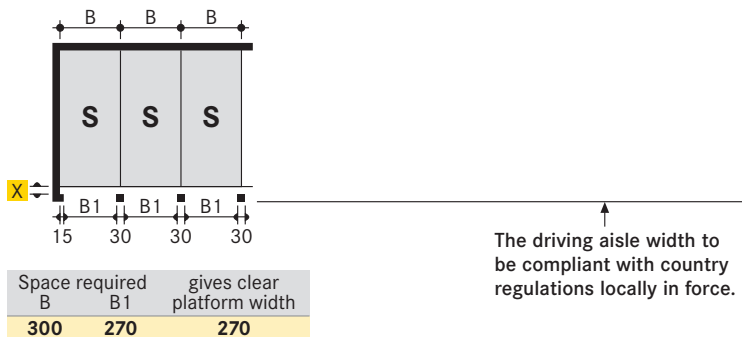
All dimensions shown are minimum. Construction tolerances must be taken into consideration. All dimensions in cm.

The access to the Parklift is possible with max. 3% declination and max. 10% inclination.

Single garages (2 cars)

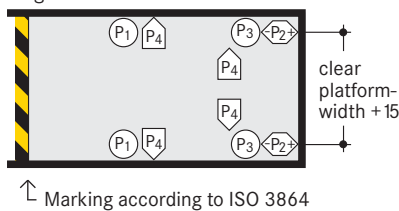


Serial garages with single doors (2 cars)



Statics and construction requirements

Single unit



$$P1 = +55 \text{ kN}^*$$

$$P1 = -9 \text{ kN}$$

$$P2 = +5 \text{ kN}$$

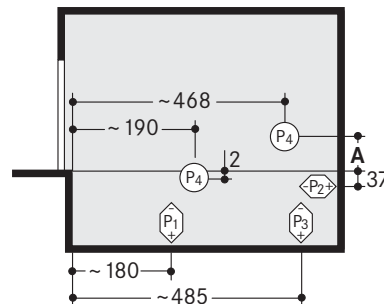
$$P2 = -5 \text{ kN}$$

$$P3 = +32 \text{ kN}$$

$$P3 = -3 \text{ kN}$$

$$P4 = +4 \text{ kN}$$

* all static loadings include the weight of the car



	A
Parklift 440-200/195	42
Parklift 440-225/220	45

Bearing loads are transmitted to the pit floor by base plates of approximately 300 cm², fixed by heavy duty anchor bolts to a depth of approximately 10–12 cm. Base plate thickness min. 18 cm.

Concrete quality according to the static building requirements, however for the dowel fixing concrete quality of min. C20/25 is required.

When fixing to waterproof concrete floors, chemical anchor bolts are supplied (to be confirmed by Wöhr).

The front wall of the pits and the rear wall must be formed of concrete and must be perfectly flat and vertical without any protrusions.

The specified lengths to the support points are mean values. Please contact us for exact positions for any variations on the standard units.

Hydraulic power pack

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

Dimensions in cm	1–5 Single units
Length:	200
Height:	140
Depth:	35

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 25A 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	equipotential bonding safety lead-out connection	corner pit floor/rear wall	
5	by customer	1 unit	equipotential bonding safety compliant to the DIN EN 60204 standard	from the lead-out connection to the Parklift system	1 per Parklift

Items 6–14 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.

In compliance with the DIN EN 60204 standard provisions, all systems must be connected directly on site with an earthed equipotential bonding. The lead-out connection must be at a 10 m distance!

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 to be provided by the customer.

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.

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.

Drainage

We recommend the provision of a drainage channel at the front of the pit which can either incorporate a pump sump 50 x 50 x 20 cm, or a connection into the storm water sewerage system via a petrol/oil interceptor. If the pump sump is not

accessible for manual drainage, the client must provide a pump on site to empty the pump sump. To prevent any possibility of contamination of the ground-water we recommend that the pit floor is coated with an oil proof paint.

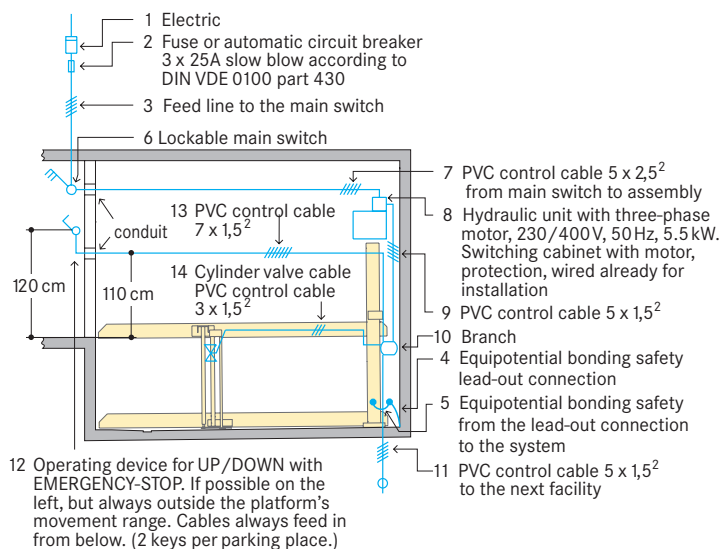
Conformity test

All our systems are checked according to EC machinery directive 2006/42/EC and EN 14010.

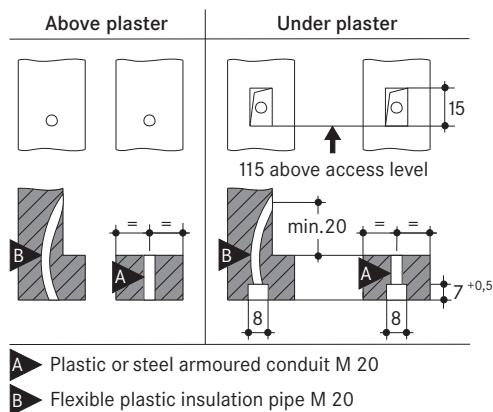
Illumination

Illumination has to be considered acc. to local requirements by the customer.

Installation diagram



Recesses and conduits for rotary switches with rolling and sectional gates



Railings

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

Free spaces

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

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 always be ventilated and deaired well.

Dimensions

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

Fire safety

Each and every fire safety requirement and all possible mandatory item(s) and equipment(s) (fire extinguishing systems and fire alarm systems, etc.) are to be provided by the customer.