



Data Sheet Wöhr Parklift 440-2,6

Single unit = 2 cars Suitable for condominium and office buildings.
 Double unit = 4 cars For permanent use only!*

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

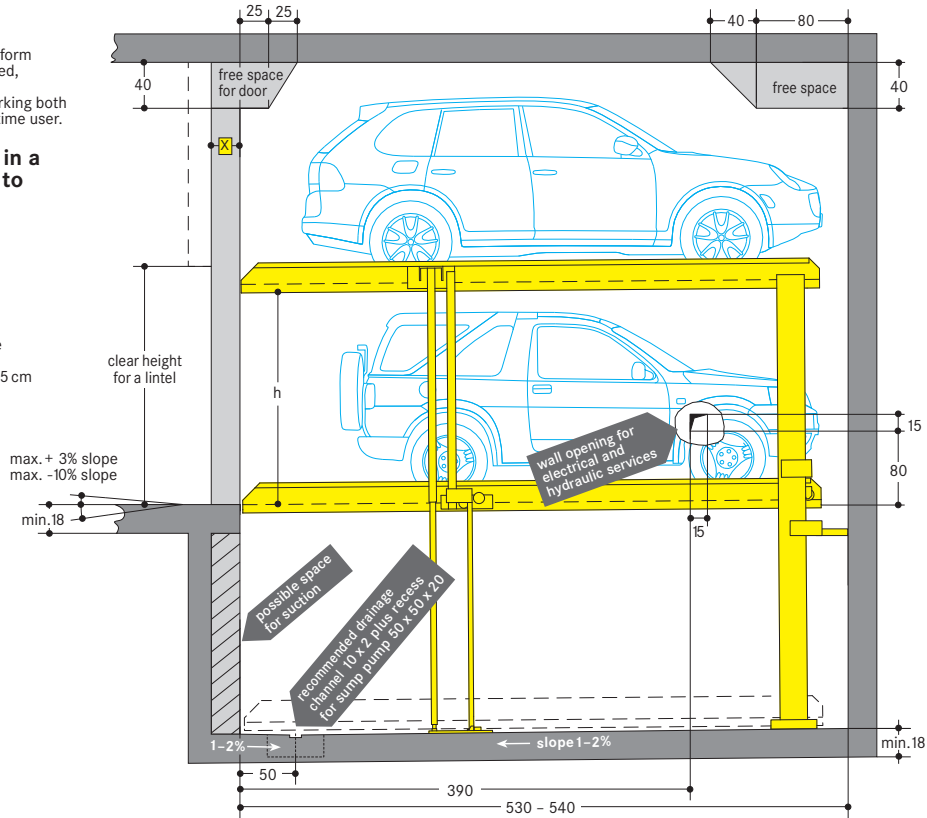
**Both platforms are in a
 horizontal position to
 drive in.**

**Load per platform
 max. 2600 kg
 (load per wheel
 max. 650 kg)**

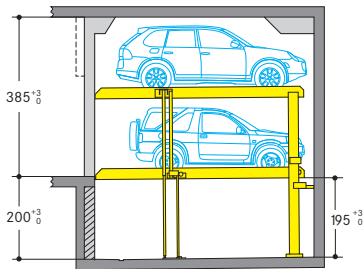
☒ = only applicable if garage
 doors are to be fitted.
 For roller doors x = 10 / 15 cm

☒ = to be clarified with
 door supplier

Dimensions in cm

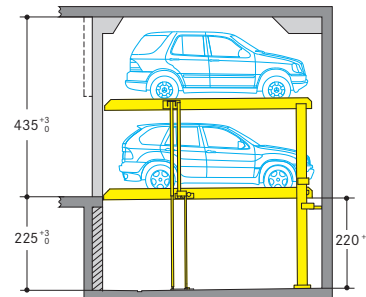


Comfort type 440-200/195 · 2600 kg



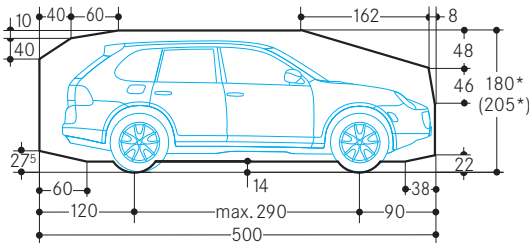
	car height	distance
Upper level	Cars/Vans/SUVs bis 180 cm	
Lower level	Pkw/Vans/SUVs bis 180 cm	h = 185

Premium type 440-225/220 · 2600 kg



	car height	distance
Upper level	Cars/Vans/SUVs bis 205 cm	
Lower level	Pkw/Vans/SUVs bis 205 cm	h = 210

Clearance profile (standard saloon/estate car)



**With a minimum garage length
 of 5.40m, larger executive cars
 of up to 5.10m long can be parked**

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

Notes

- Several width options are available (see width details page 2). In case of special platform widths narrower than 250 and 500 cm respectively, the maximum vehicle width is reduced accordingly.
- Due to recent increases in car length dimensions, and potential future developments, a pit length of 540 cm is advisable. This offers bigger safety distances also for future cars.
- 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).
- 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.
- The manufacturer reserves the right to modify or alter above specifications.

Parklift 440-2,6 | 09.2011 | C027-4311 | © Otto Wöhr GmbH



The solution for Sport Utility Vehicles (SUV), Minibuses, Jeeps and other heavy cars up to 2.6 to

Width dimensions · Underground garages

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

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

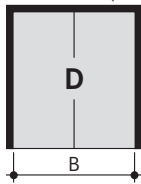
Wall to wall

Single unit (2 cars)



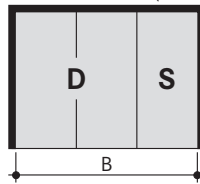
Space required B	gives clear platform width
280	250
290	260
300	270

Double unit (4 cars)



Space required B	gives clear platform width
530	500
550	520
570	540

Combinated unit (6 cars)



Space required B	gives clear platform width
810	500 + 250
840	520 + 260
870	540 + 270

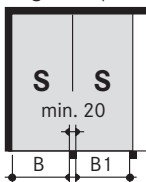
Wall openings required between partitions for electrical and hydraulic conduits must be provided where applicable. Wall openings may not be closed after installation.

Minimum driveway width according to local requirements

Further width combinations as well as smaller widths are possible

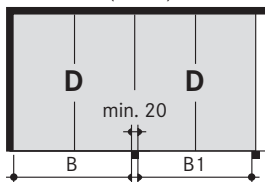
Pillars outside pit

Single unit (2 cars)



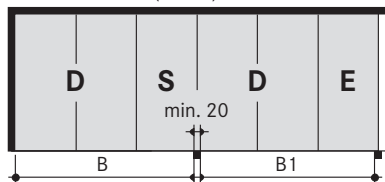
Space required wall-pillar B	pillar-pillar B1	gives clear platform width
270	260	250
280	270	260
290	280	270

Double unit (4 cars)



Space required wall-pillar B	pillar-pillar B1	gives clear platform width
520	510	500
540	530	520
560	550	540

Combinated unit (6 cars)



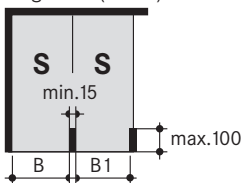
Space required wall-pillar B	pillar-pillar B1	gives clear platform width
800	790	500 + 250
830	820	520 + 260
860	850	540 + 270

Minimum driveway width according to local requirements

Further width combinations as well as smaller widths are possible

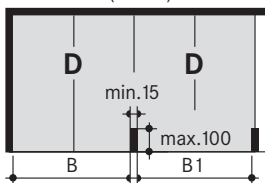
Pillars inside pit

Single unit (2 cars)



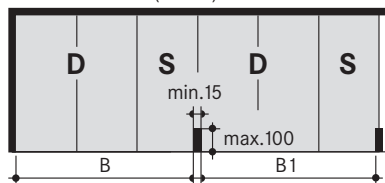
Space required wall-pillar B	pillar-pillar B1	gives clear platform width
275	265	250
285	275	260
295	285	270

Double unit (4 cars)



Space required wall-pillar B	pillar-pillar B1	gives clear platform width
525	515	500
545	535	520
565	555	540

Combinated unit (6 cars)



Space required wall-pillar B	pillar-pillar B1	gives clear platform width
805	795	500 + 250
835	825	520 + 260
865	855	540 + 270

Minimum driveway width according to local requirements

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.

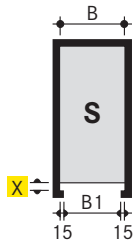
Cars wider than 190 cm should be parked on platforms 270/540 cm width only.
For spaces against walls, or at end of rows, we recommend that largest possible platform widths are utilized to assist turning motion.

Width dimensions · Garages with doors

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

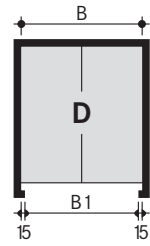
The access to the Parklift is possible with max. 3% declination and max. 10% inclination.

Single garages (2 cars)



Space required	gives clear platform width	
B	B1	
280	250	250
290	260	260
300	270	270

Double garages (4 cars)



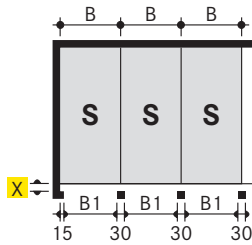
Space required	gives clear platform width	
B	B1	
530	500	500
550	520	520
570	540	540

x = for doors. See page 1

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

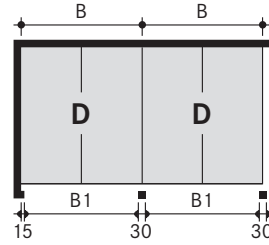
Minimum driveway width according to local requirements

Serial garages with single doors (2 cars)



Space required	gives clear platform width	
B	B1	
280	250	250
290	260	260
300	270	270

Serial garages with double doors (4 cars)

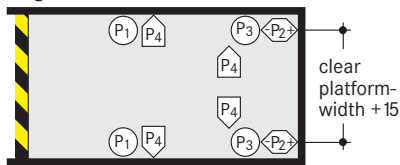


Space required	gives clear platform width	
B	B1	
530	500	500
550	520	520
570	540	540

Minimum driveway width according to local requirements

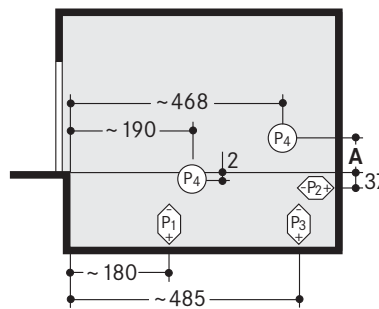
Statics and construction requirements

Single unit



↑ Marking according to ISO 3864

P1 = +50 kN *
- 10 kN
P2 = + 3 kN
- 3 kN
P3 = +18 kN
- 5 kN
P4 = + 3 kN



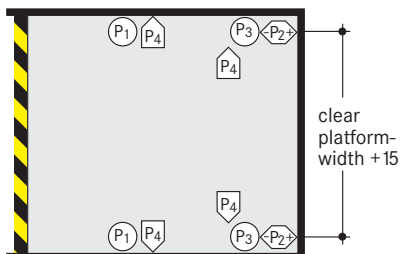
	A
Parklift 440-200/195	42
Parklift 440-225/220	45

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 requirements of the building, but for the dowel fastening we require a concrete quality of min. C20/25. When fixing to waterproof concrete floors chemical anchors are employed (to be advised by Wöhr).

The front wall of the pits 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.

Double unit



P1 = +90 kN
- 9 kN
P2 = + 5 kN
- 5 kN
P3 = +32 kN
- 3 kN
P4 = + 3 kN

*all static loadings include the weight of the car

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	1–5 Single units or 1–3 Double 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 system	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 8-14 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 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.

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 groundwater we recommend that the pit floor is coated with an oil proof paint.

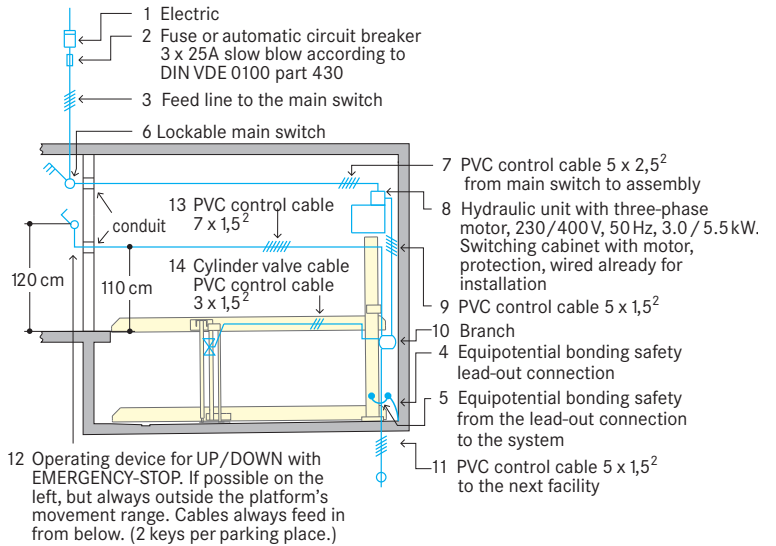
Conformity test

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

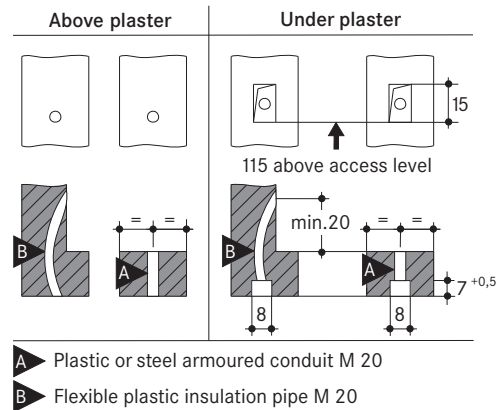
Illumination

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

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 client 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 be always ventilated and deaired well.

Dimensions

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