

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

Notes

- Car width max. 190 cm (see width details page 2). In case of special platform widths narrower than 230 and 460 cm respectively, the maximum vehicle width is reduced accordingly. For cars with two outside mirrors, a minimum platform width of 250 cm or 500 cm is recommended. Due to recent increases in car length dimensions, and potential future developments, a pit length of 540 cm is advisable. 1.
- 2 This offers bigger safety distances also for future cars.
- At the edge of the pit a 10cm wide, yellow-black marking according to ISO 3864 has to be provided by the purchaser (see "statics and construction requirements" on page 3)
- 4. The manufacturer reserves the right to modify or alter above specifications.



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We compact parking space

1

Width dimensions · Underground garages

gives clear platform width

230

240

250

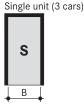
260 270

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.

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



Space required

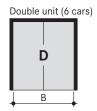
В 270

280

290

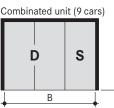
300

310



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Space required B	gives clear platform width
500	460
520	480
540	500



Space

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
e required B	gives clear platform width	width according to local requirements
765	460+230	¯A
795	480+240	
825	500+250	
835	500+260	
845	500+270	

Further width combinations as well as smaller widths are possible

Pillars outside pit

Single unit (3 cars)



Space i wall- pillar B	required pillar- pillar B1	gives clear platform width
260	245	230
270	255	240
280	265	250
290	275	260
300	285	270

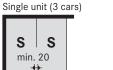
Double unit (6 o	cars)
D min	D
	•
В	B1

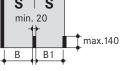
Space r wall- pillar B	equired pillar- pillar B1	gives clear platform width
490	475	460
510	495	480
530	515	500

Combinated	unit (9 car	s)			
D	S min. ★		s		
• B		B1	-	1	
pillar pi	llar- g	ives clear tform width	width a	m driveway ccording to quirements	
750 7	40 4	60+230	`≜ _ ♠	1	
780 7	70 4	80+240			
810 8	00 5	500+250			
820 8	310 5	500+260			
830 8	520 5	500+270			

Further width combinations as well as smaller widths are possible

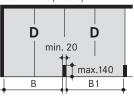
Pillars inside pit





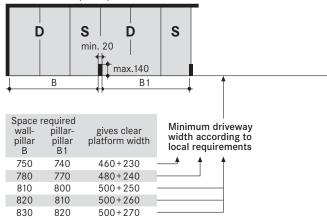
Space r wall- pillar B	pillar- pillar pillar B1	gives clear platform wid
260	245	230
270	255	240
280	265	250
290	275	260
300	285	270

Double unit (6 cars)



Space wall- pillar B	required pillar- pillar B1	gives clear platform width
490	475	460
510	495	480
530	515	500

Combinated unit (9 cars)



Further width combinations as well as smaller widths are possible

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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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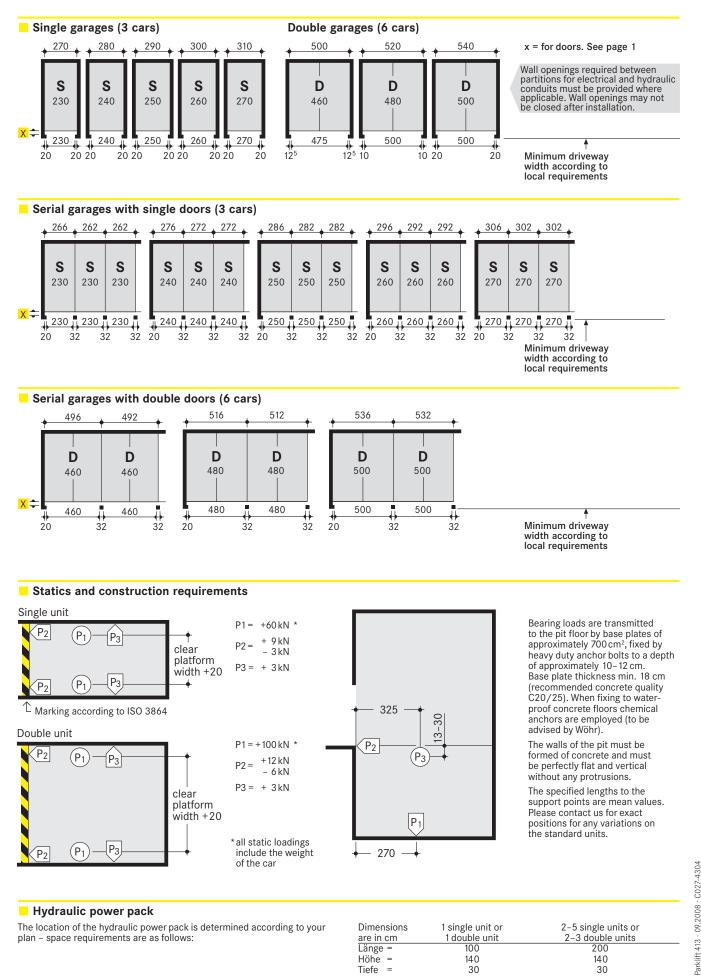
Cars wider than 190 cm should be parked on platforms 270/500 cm width only. For spaces against walls, or at end of rows, we recommend that largest possible platform widths are utilized to assist turning motion.

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.

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.



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

3

Electrical datas

Performance	Quantity	Designation	Position	Frequency
by customer	1 unit	electric meter	in the feed cable	
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
by customer	as locally required	acc. to local power supply regulations 3 Ph + N + PE*	feed cable to main switch	1 per powerpack
by customer	each 10 m	foundation earth connector	comerpit floor/ rearwall	
by customer	1 unit	equipotential bonding acc. to local requirements	from foundation earth connector to Parklift	1 per Parklift
by customer	1 unit	marked main switch, lockable to prevent unauthorized switching on	above operating device	1 per powerpack
by customer	10 m	PVC control cable with marked strands and pro- tective conductor 5 x 2,5 ²	from main switch to hydraulic power pack	1 per power pack
	by customer by customer by customer by customer by customer	by customer each 10 m by customer 1 unit by customer 1 unit	by customer 1 unit electric meter by customer 1 unit fuse or automatic circuit breaker 3 x 25 A slow blow acc. to DIN VDE 0100 p. 430 by customer as locally required acc. to local power supply regulations 3 Ph + N + PE* by customer each 10 m foundation earth connector by customer 1 unit equipotential bonding acc. to local requirements by customer 1 unit marked main switch, lockable to prevent unauthorized switching on by customer 10 m PVC control cable with marked strands and pro-	by customer1 unitelectric meterin the feed cableby customer1 unitfuse or automatic circuit breaker3 x 25 A slow blow acc. to DIN VDE 0100 p. 430in the feed cableby customeras locally requiredacc. to local power supply regulations 3 Ph + N + PE*feed cable to main switchby customereach 10 m connectorfoundation earth connectorcomer pit floor/ rear wallby customer1 unitequipotential bonding acc. to local requirementsfrom foundation earth connector to Parkliftby customer1 unitmarked main switch, lockable to prevent unauthorized switching onabove operating deviceby customer10 mPVC control cable with marked strands and pro-from main switch to hydraulic power

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 conditions additional sound

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

absorbing measures are

necessary.

the construction.

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. $R'_W = 57 dB$
- 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

Temperature

The installation is designed to operate between $+5^{\circ}$ and $+40^{\circ}$ C. Atmospheric Humidity: 50% at $+40^{\circ}$ 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. To prevent any possibility of contamination of the groundwater we recommend that the pit floor is coated with an oil proof paint.

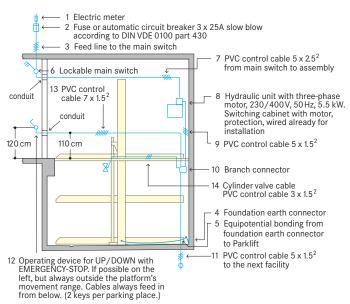
Conformity test

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

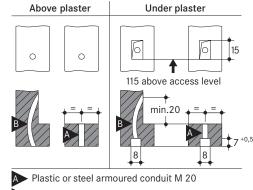
Illumination

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

Installation diagram



Recesses and conduits for rotary switches with rolling and sectional gates



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.

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 dearated well.

Dimensions

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

Parklift 413 · 09.2008 · C027-4304