

Data Sheet

WÖHR LEVEL PARKER 590



Please observe the separate Technical Notes!

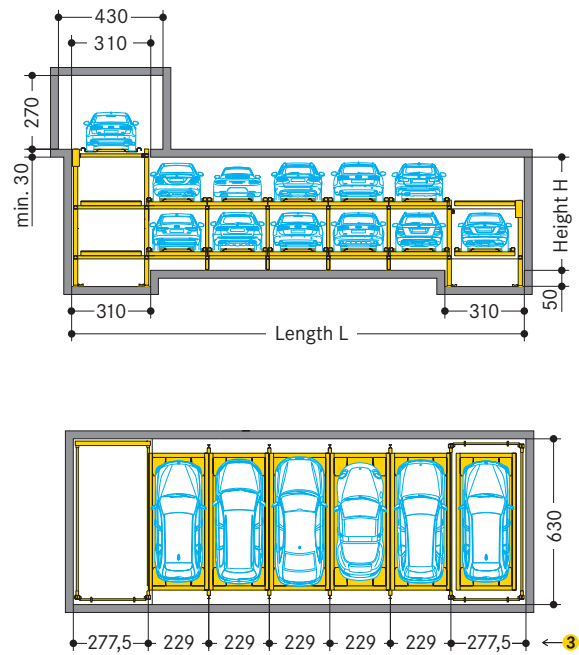


- Small footprint
- Safe for user and cars (no narrow ramps, dark stairs, no damage of theft or vandalism)
- No need for ramps and driving lanes
- No costly illumination and ventilation
- Variation options for individual project requirements
- Integrated turntable option
- For car weight up to 2.5 t, higher loads are possible after consultation with WÖHR
- Easy operation with several control options, e.g. transponder chip or remote control
- Following the idea of „Green Parking“

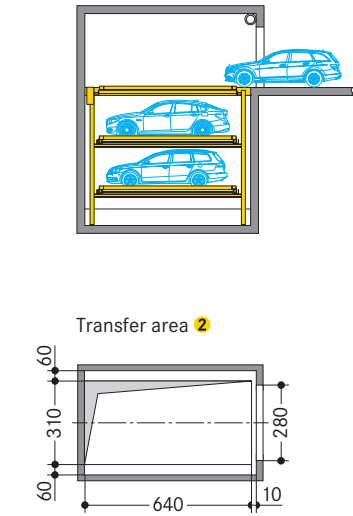
Level Parker 590

Arrangement on two or more parking levels

The example below shows a Level Parker 590 with two parking levels and 12 parking spaces. The parking system must have at least two parking levels, but it may be built also with more than two levels.



The table below on the left specifies the minimum dimensions. The switch cabinet can be arranged flexibly, it may also be placed somewhere else.



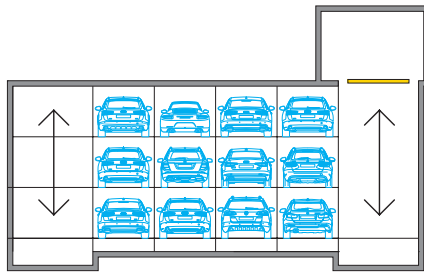
Parking places per level	Parking places per system (with 2 levels)	Length L
		Pallet width 229
4	8	1242
5	10	1471
6	12	1700
7	14	1929
8	16	2158
9	18	2387
10	20	2616
11	22	2845
12	24	3074
13	26	3303
14	28	3532

Parking levels	Height H 4	
	Car height 5 160	Car height 5 200
2	419	499
3	611	731
4	803	963
5	995	1195

- 1 Dimensions in cm.
- 2 Please contact WÖHR if you need a version that is specially designed for handicapped persons.
- 3 Dimensions for pallet width 229.
- 4 With a turning device on the lower level the dimension has to be increased by 8 cm.
- 5 Other car heights are possible. Please contact WÖHR.

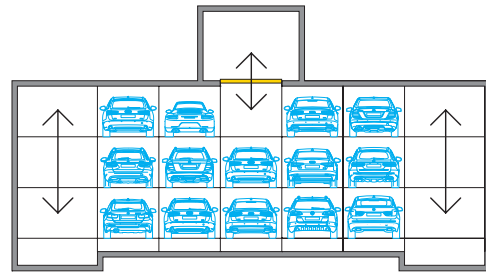
■ Position of the transfer area

The transfer area must always be above the parking area, however, it can be arranged flexibly. It is recommended to arrange the transfer area at the ends of the parking rows, either on the right or on the left, where the vertical lifts are located.



But it is also possible to position the transfer area above any parking space by adding an additional vertical lift.

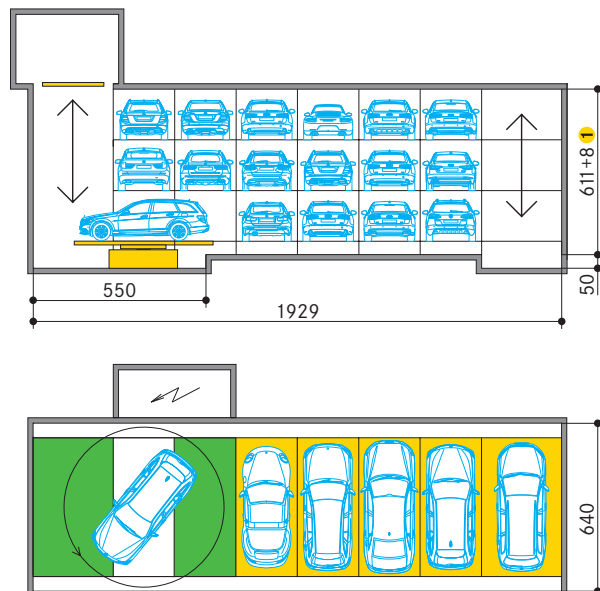
Please note: Height dimensions are changing. Please contact WÖHR.



■ Turning device

By incorporating a turntable, cars can be retrieved facing the exit. Cars are turned on the bottom parking level, which ensures that they can be turned within the confines of the system with no loss of parking spaces.

(For details of the dimensions of the transfer area with turning device see Technical Notes.)

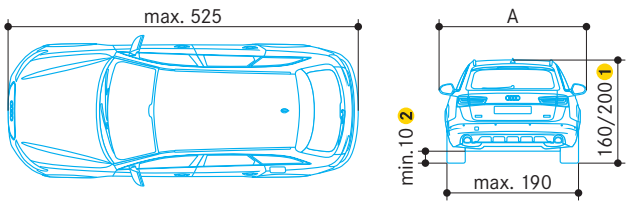


❗ Only necessary with turning device

Maintenance access and switch cabinet

Maintenance access as well a room for the switch cabinet (min. 2 x 5 m) is required (please check with WÖHR).

Max. car dimensions



- 1 Overall height (cars with roof racks, roof rails, antennas etc. should not exceed the mentioned overall height)
- 2 Clearance underneath the gear case

Pallet width	Dimension A
229	220

Car weight max. 2500 kg, wheel load max. 625 kg.
These car dimensions are valid for the building dimensions as mentioned. If building dimensions are adjusted, other car dimensions are possible.

For parking systems with EV charging options, WÖHR recommends the use of wider pallets.

Attention: Clear installation dimensions change accordingly.

Passenger car registrations in Germany*

Orientation aid for height dimensions: With a system type, which for example covers cars up to 200 cm in height, 98.98 % of all cars registered new in 2022 in Germany can be parked.

Height	Examples of models	Passenger car registrations	
156,2	VW ID.3	63,62 %	up to 160 cm*
157,8	BMW i3		
158,5	Audi Q3		
162,1	BMW X4	91,25 %	up to 170 cm*
168,1	Skoda Kodiaq		
169,4	Peugeot 5008		
177,6	Volvo XC90	93,76 %	up to 180 cm*
177,8	Ford Explorer		
179,7	Mercedes Benz GLE		
184,8	Renault Kangoo	97,29 %	up to 190 cm*
187,0	Toyota Land Cruiser		
189,5	Opel Zafira		
193,8	VW ID.Buzz	98,98 %	up to 200 cm*
196,9	Mercedes Benz G		
199,4	VW Caravelle		

* Due to different equipment, vehicles of the same design may have different heights. The maximum heights have been taken into account.
Source: German Federal Motor Transport Authority, 2022 (evaluation for motor vehicles registered in Germany for passenger transport with up to 9 seats).