

# Data Sheet

## WÖHR PARKSAFE 580/582/583



Please observe the separate Technical Notes!



Based on storage rack principles, the vehicles are parked fully automatic in a tower or pit version of Parksafe.

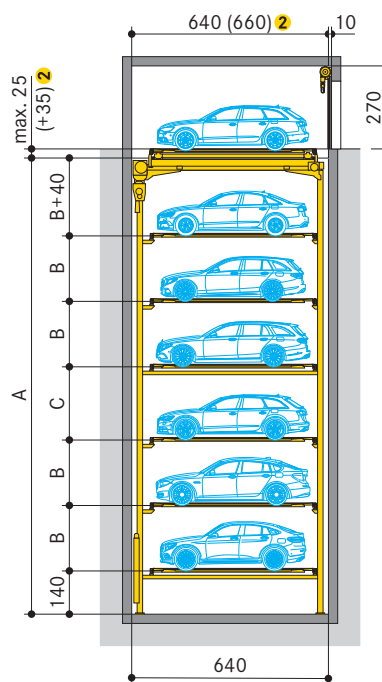
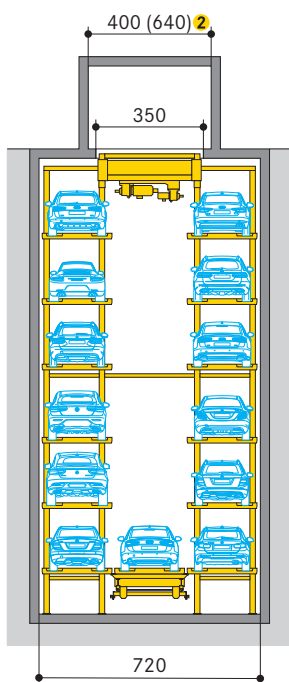
- Automatic parking system for parking of vehicles up to 50 levels height
- For small footprint areas
- As tower and/or pit version with central entrance area possible
- Multiple row arrangement of 2 to 3 rows next to the vertical lift
- Safe for user and cars (no narrow ramps, dark stairs, no damage caused by theft or vandalism)
- No ramps and driving lanes
- No costly illumination and ventilation necessary
- Well adaptable to individual project requirements
- Integration of a turntable is possible
- Fast access time
- Different car heights possible, e.g. Vans, SUVs
- 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
- Suitable for apartment- and office buildings, for public parking, car-sharing, car-rent, car-service centers
- Following the idea of "Green Parking"



**Parksafe 580 | Shaft**

- Parking system with 2 parking spaces per level (standard system - 1 row)
- Up to 3 parking rows are possible on each side of the vertical lift

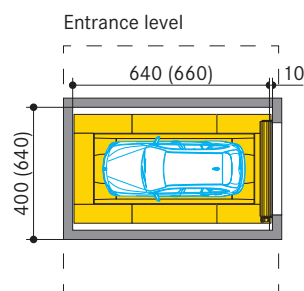
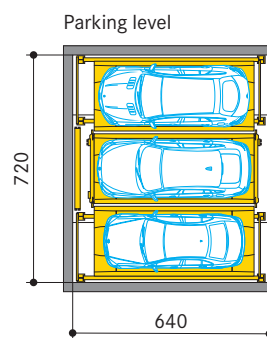
- Car height variable by use of different level heights
- Exit possible in driving direction by optional turning device inside the transfer area



Levels	Parking places	Dimension A for 160 cm high cars	Dimension A for 200 cm high cars
2	4	526	606
3	6	699	819
4	8	897	1057
5	10	1070	1270
6	12	1243	1483
7	14	1441	1721
8	16	1614	1934
9	18	1787	2147
10	20	1985	2385
11	22	2158	2598
12	24	2331	2811
13	26	2529	3049
14	28	2702	3262
15	30	2875	3475

Car height 3	Dimension B	Dimension C
160	173	198
200	213	238

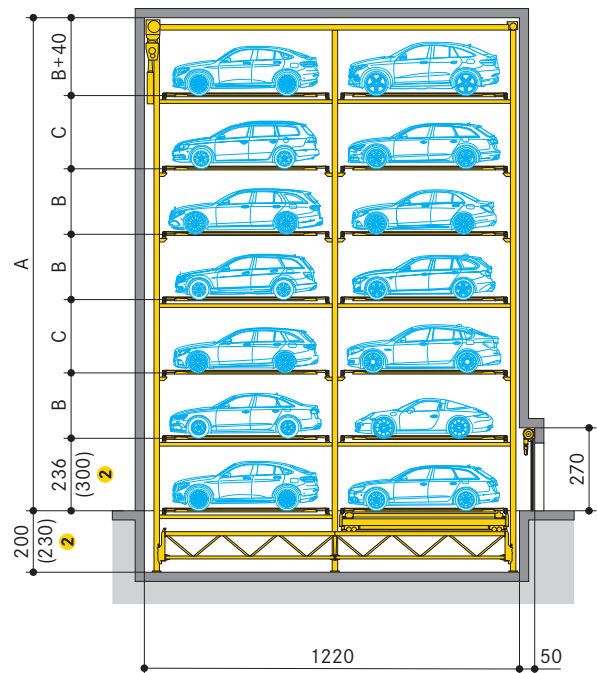
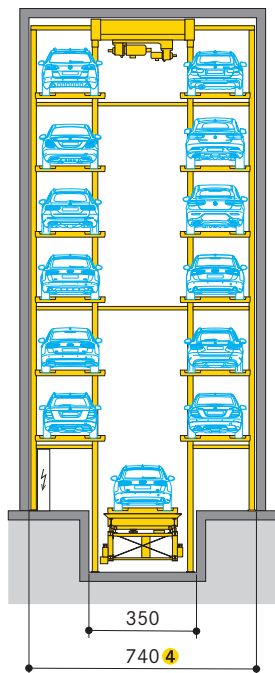
- 1 Dimensions in cm.
- 2 Dimensions in brackets with turning device.
- 3 Other car heights are possible. Please contact WÖHR.



**■ Parksafe 582 | Tower (free-standing or inside a building)**

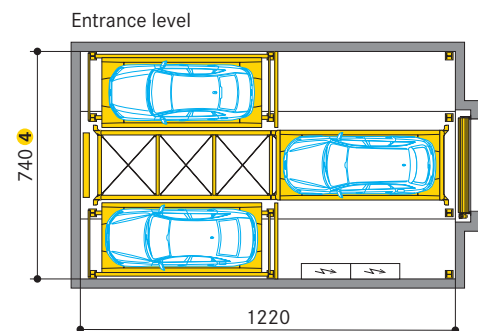
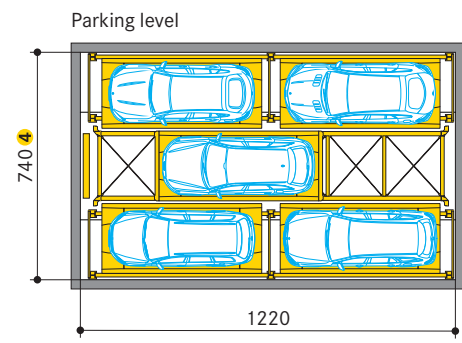
- Parking system with 4 parking spaces per level (standard system – 1 row)
- Up to 3 parking rows are possible on each side of the vertical lift

- Car height variable by use of different level heights
- Exit possible in driving direction by optional turning device
- Façade available with glass, profile metal sheet, concrete casing, or similar



Levels	Parking places	Dimension A <sup>3</sup> for 160 cm high cars	Dimension A <sup>3</sup> for 200 cm high cars
3	10	622	702
4	14	820	940
5	18	993	1153
6	22	1166	1366
7	26	1364	1604
8	30	1537	1817
9	34	1710	2030
10	38	1908	2268
11	42	2081	2481
12	46	2254	2694
13	50	2452	2932
14	54	2625	3145
15	58	2798	-
16	62	2996	-
17	66	3169	-

Car height <sup>5</sup>	Dimension B	Dimension C
160	173	198
200	213	238

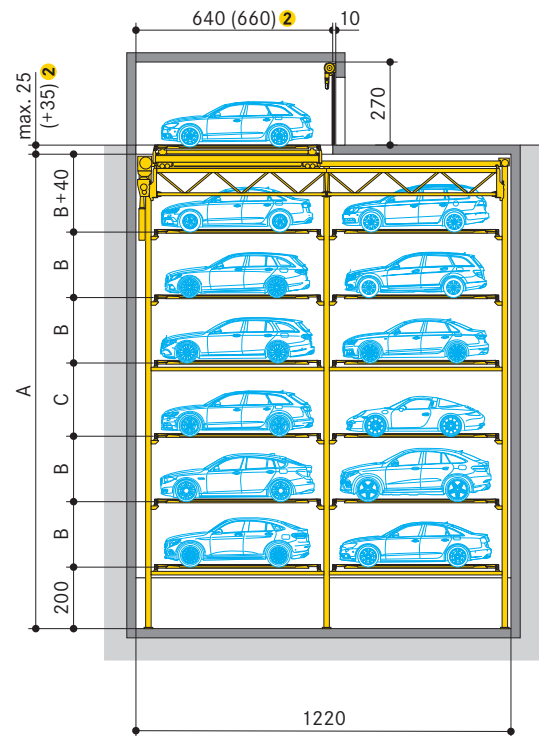
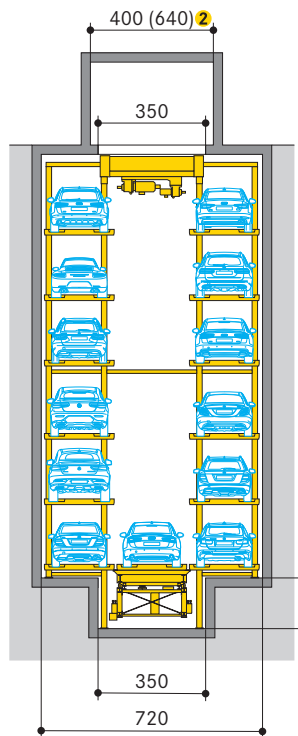


- <sup>1</sup> Dimensions in cm.
- <sup>2</sup> Dimensions in brackets for a lift with turning device.
- <sup>3</sup> If the transfer area is lateral to the lift the dimension need to be increased by 60 cm.
- <sup>4</sup> With free-standing tower about 30 cm wider.
- <sup>5</sup> Other car heights are possible. Please contact WÖHR.

**■ Parksafe 582 | Shaft**

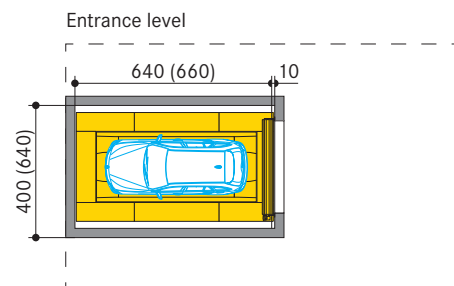
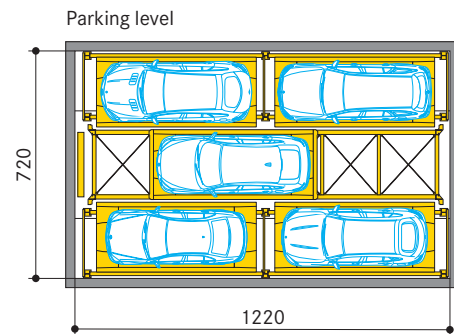
- Parking system with 4 parking spaces per level (standard system - 1 row)
- Up to 3 parking rows are possible on each side of the vertical lift

- Car height variable by use of different level heights
- Exit possible in driving direction by optional turning device



Levels	Parking places	Dimension A for 160 cm high cars	Dimension A for 200 cm high cars
2	8	586	666
3	12	759	879
4	16	957	1117
5	20	1130	1330
6	24	1303	1543
7	28	1501	1781
8	32	1674	1994
9	36	1847	2207
10	40	2045	2445
11	44	2218	2658
12	48	2391	2871
13	52	2589	3109
14	56	2762	3322
15	60	2935	3535
16	64	3133	3773

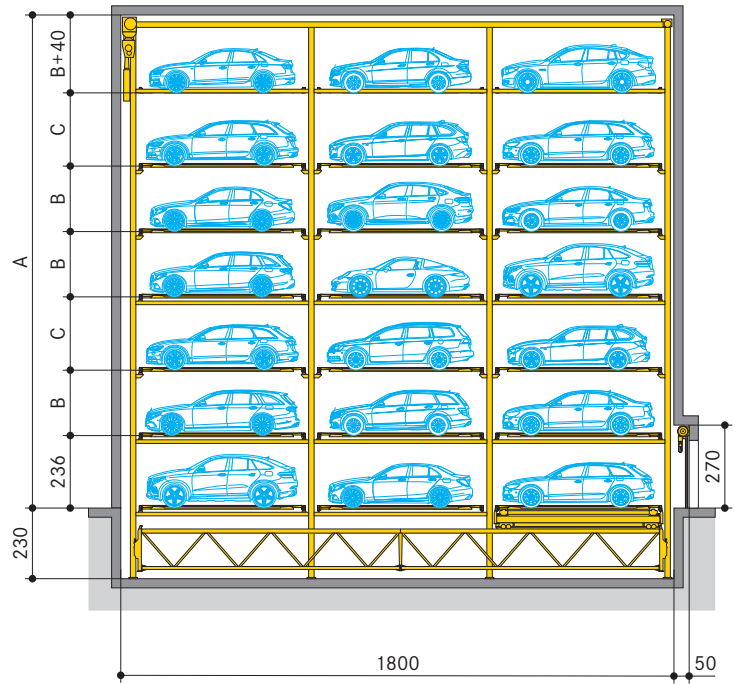
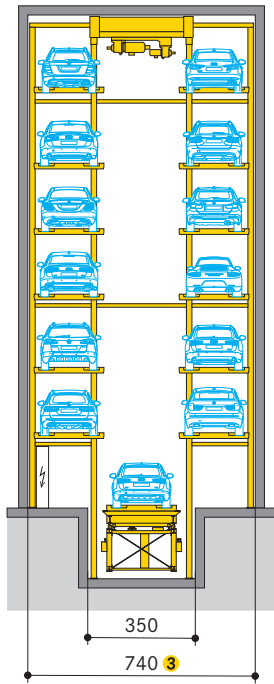
Car height <sup>3</sup>	Dimension B	Dimension C
160	173	198
200	213	238



- 1 Dimensions in cm.
- 2 Dimensions in brackets with turning device.
- 3 Other car heights are possible. Please contact WÖHR.

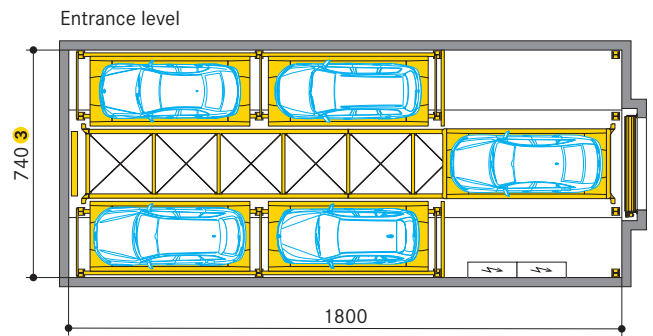
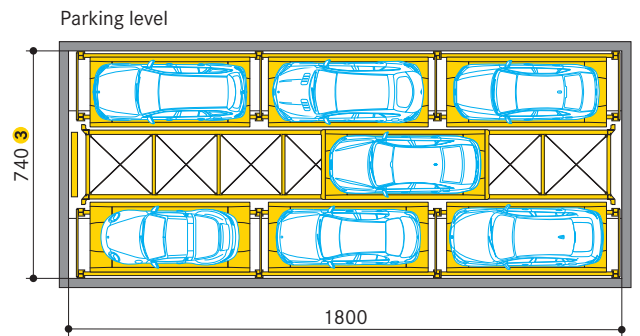
**■ Parksafe 583 | Tower (free-standing or inside a building)**

- Parking system with 6 parking spaces per level (standard system - 1 row)
- Up to 3 parking rows are possible on each side of the vertical lift
- Car height variable by use of different level heights
- Exit possible in driving direction by optional turning device (only possible with transfer area at the side)
- Façade available with glass, profile metal sheet, concrete casing, or similar



Levels	Parking places	Dimension A 2 for 160 cm high cars	Dimension A 2 for 200 cm high cars
3	16	622	702
4	22	820	940
5	28	993	1153
6	34	1166	1366
7	40	1364	1604
8	46	1537	1817
9	52	1710	2030
10	58	1908	2268
11	64	2081	2481
12	70	2254	2694
13	76	2452	2932
14	82	2625	3145
15	88	2798	-
16	94	2996	-
17	100	3169	-

Car height 4	Dimension B	Dimension C
160	173	198
200	213	238

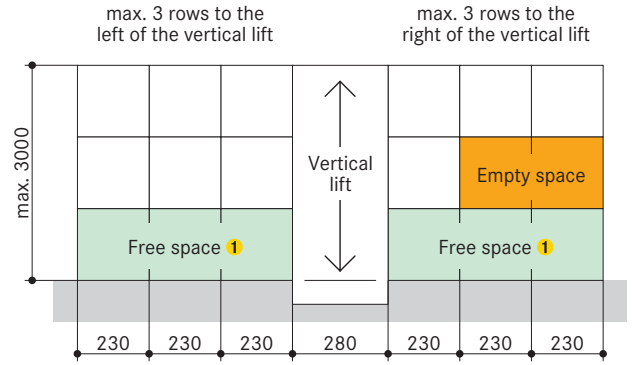


- 1 Dimensions in cm.
- 2 If the transfer area is lateral to the lift the dimension need to be increased by 60 cm
- 3 With free-standing tower about 30 cm wider.
- 4 Other car heights are possible. Please contact WÖHR.



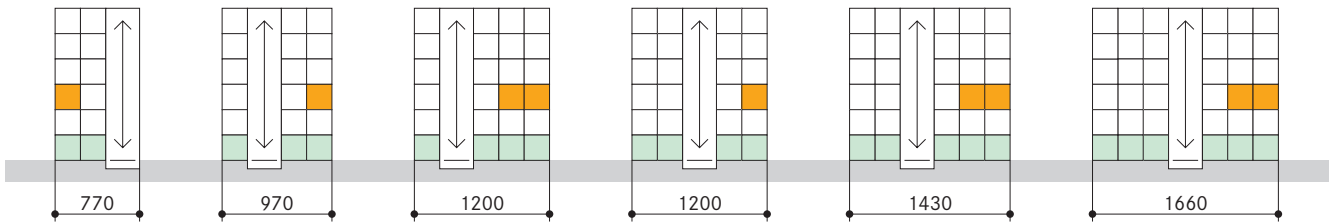
**■ Different variants – Tower**

With arrangements involving several rows, empty spaces are needed to allow shifting of the cars from the rear parking spaces to the lift. The number of empty spaces needed is derived from the number of rows minus one, i.e. with a three-row arrangement, two empty spaces are required, with two-row arrangement one empty space is needed. In case of a tower and tower/shaft version, no parking spaces can be provided in the alighting area to the left and right side of the entrance.

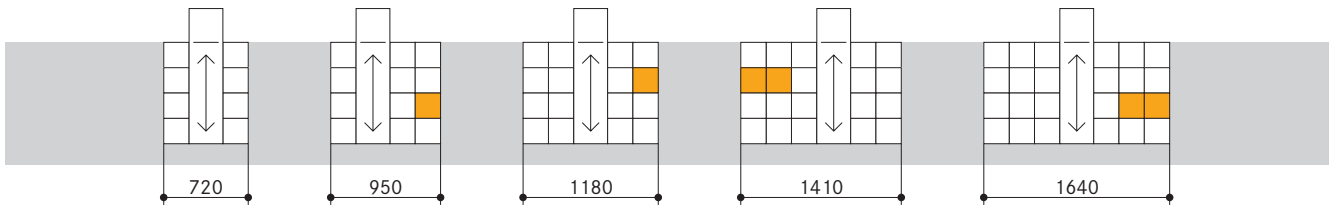


① Aus-/Einsteigebereich

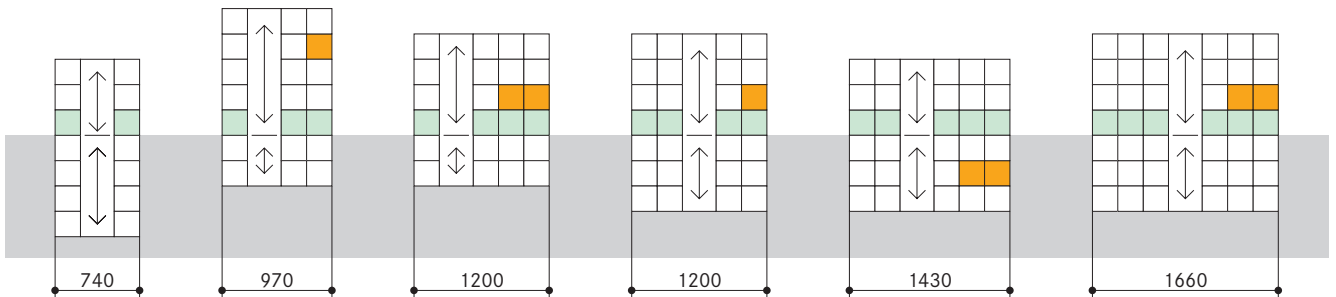
**■ Different variants – Tower**



**■ Different variants – Shaft**



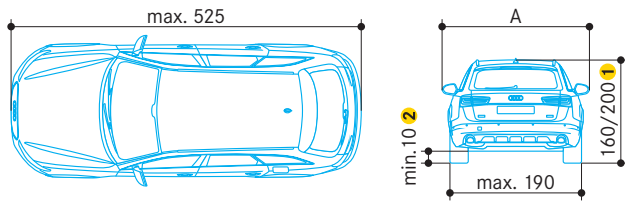
**■ Different variants – Shaft**



**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**



Pallet width	Dimension A
230	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.**

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

**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).