

Data Sheet

WÖHR PARKSAFE 580/582/583



Please observe the separate Technical Notes!

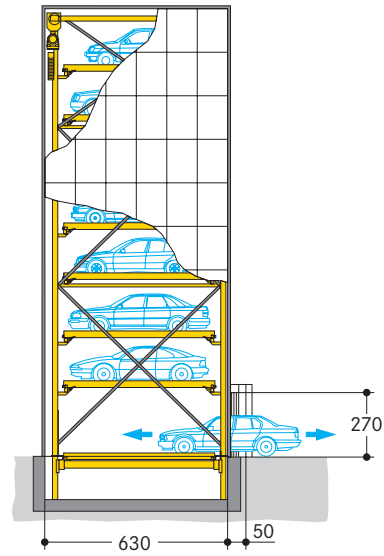
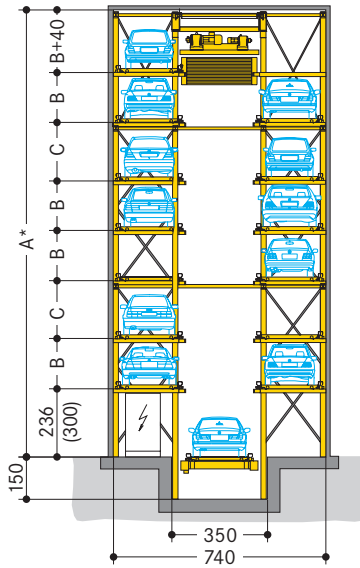


Based on storage rack principles, the vehicles are parked fully automatic in a tower or pit version of Parksafe.

- 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"

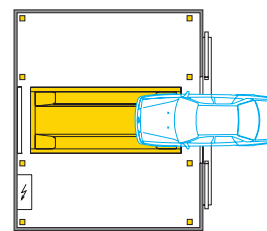
■ Parksafe 580 | Tower (free-standing or inside a building)

- 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 on the lift
- Façade available with glass, profile metal sheet, concrete casing, or similar



() Dimensions in brackets with turning device

Parking levels	Parking places	Dimension A* for 160 cm high cars	Dimension A* for 200 cm high cars
3	4	647	727
4	6	820	940
5	8	993	1153
6	10	1190	1391
7	12	1364	1604
8	14	1537	1817
9	16	1735	2055
10	18	1908	2268
11	20	2081	2481
12	22	2279	2719
13	24	2452	2932
14	26	2625	3145
15	28	2823	3383
16	30	2996	3596
17	32	3169	3809
18	34	3367	4047
19	36	3540	4260
20	38	3713	4473
21	40	3911	4711
22	42	4084	4924



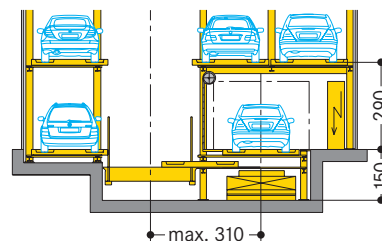
Car height	Dimension B	Dimension C
160	173	198
185	198	223
200	213	238

Dimensions in cm

* If the transfer area is lateral to the lift the dimension need to be increased by 60 cm

■ Alternatively: Transfer area lateral to the lift

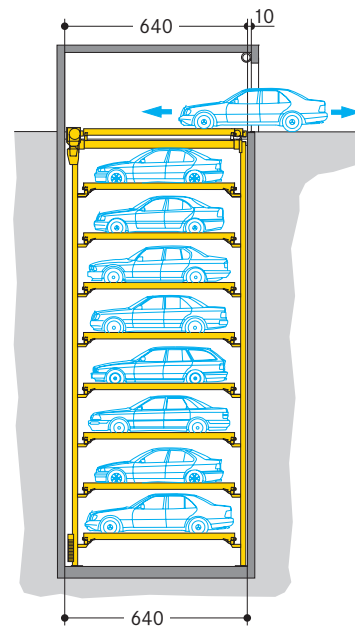
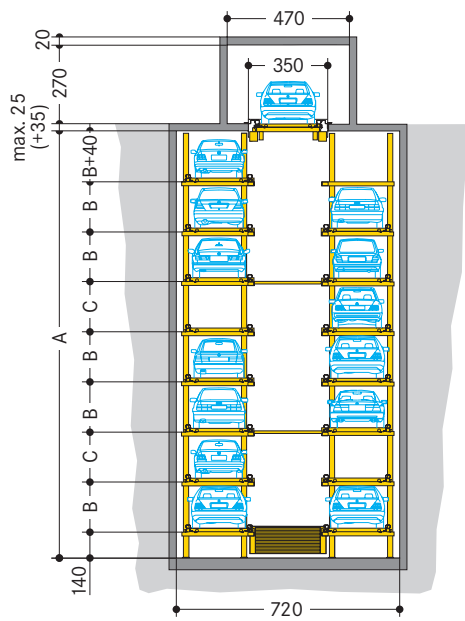
A new pallet is provided in the transfer area while the vertical lift is still moving the car upwards. Please contact WÖHR for more details.



■ Parksafe 580 | Shaft

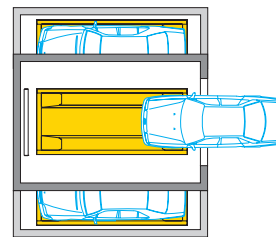
- Parking system with 2 parking spaces per level (standard system - 1 row)
- Up to 3 parking rows are possible on each side of the vertical lift

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



() Dimensions in brackets with turning device

Parking levels	Parking places	Dimension A for 160 cm high cars	Dimension A for 200 cm high cars
2	4	551	631
3	6	724	844
4	8	897	1057
5	10	1095	1295
6	12	1268	1508
7	14	1441	1721
8	16	1639	1959
9	18	1812	2172
10	20	1985	2385
11	22	2183	2623
12	24	2356	2836
13	26	2529	3049
14	28	2727	3287
15	30	2900	3500



Car height	Dimension B	Dimension C
160	173	198
185	198	223
200	213	238

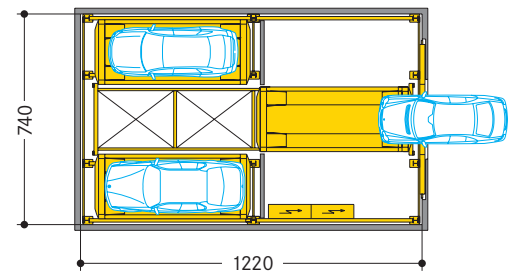
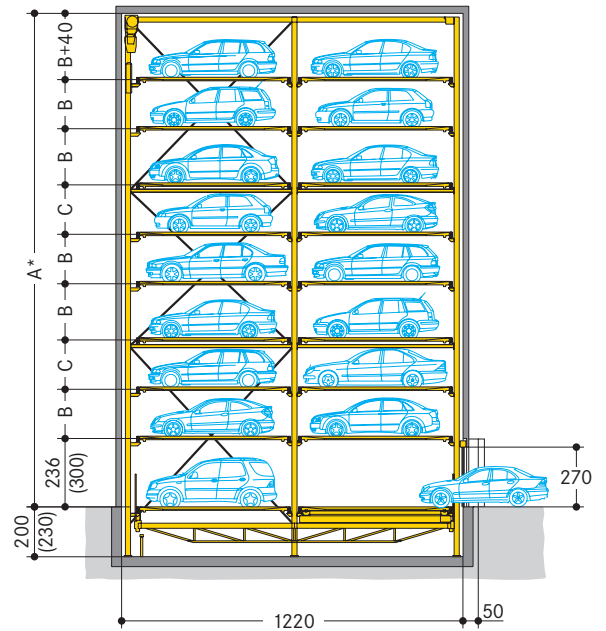
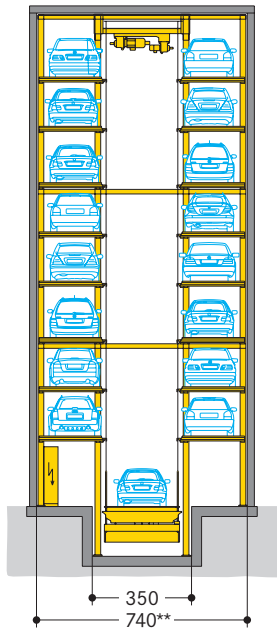
Dimensions in cm

■ 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).

■ 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



Parking levels	Parking places	Dimension A* for 160 cm high cars	Dimension A* for 200 cm high cars
3	10	647	727
4	14	820	940
5	18	993	1153
6	22	1190	1391
7	26	1364	1604
8	30	1537	1817
9	34	1735	2055
10	38	1908	2268
11	42	2081	2481
12	46	2279	2719
13	50	2452	2932
14	54	2625	3145
15	58	2823	3383
16	62	2996	3596
17	66	3169	3809

Car height	Dimension B	Dimension C
160	173	198
185	198	223
200	213	238

Dimensions in cm

* If the transfer area is lateral to the lift the dimension need to be increased by 60 cm

** With free-standing tower about 30 cm wider

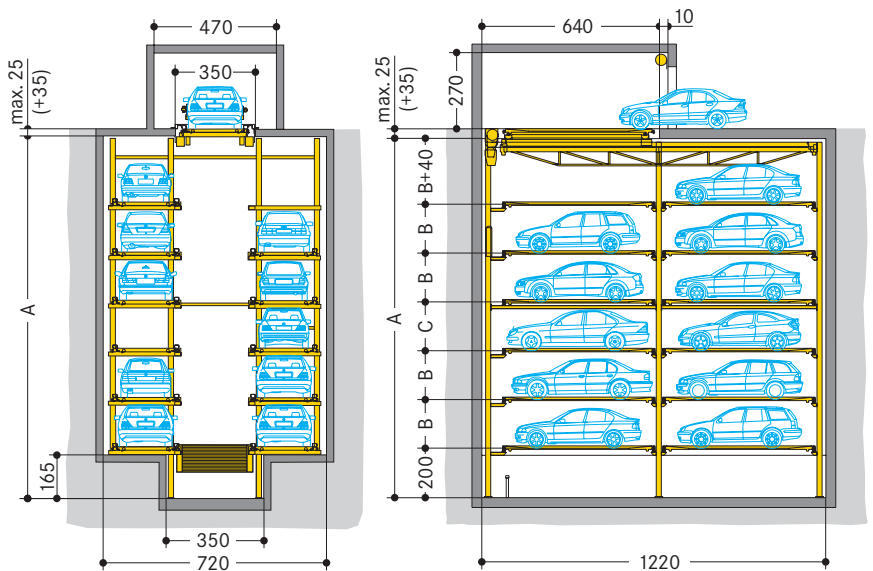
() Dimensions in brackets for a lift with turning device

■ Parksafe 582 | Shaft

Parking levels	Parking places	Dimension A for 160 cm high cars	Dimension A for 200 cm high cars
2	8	611	651
3	12	784	824
4	16	957	997
5	20	1155	1195
6	24	1328	1368
7	28	1501	1541
8	32	1699	1739
9	36	1872	1912
10	40	2045	2085
11	44	2243	2283
12	48	2416	2456
13	52	2589	2629
14	56	2787	2827
15	60	2960	3000
16	64	3133	3213

Car height	Dimension B	Dimension C
160	173	198
185	198	223
200	213	238

Dimensions in cm



() Dimensions in brackets with turning device

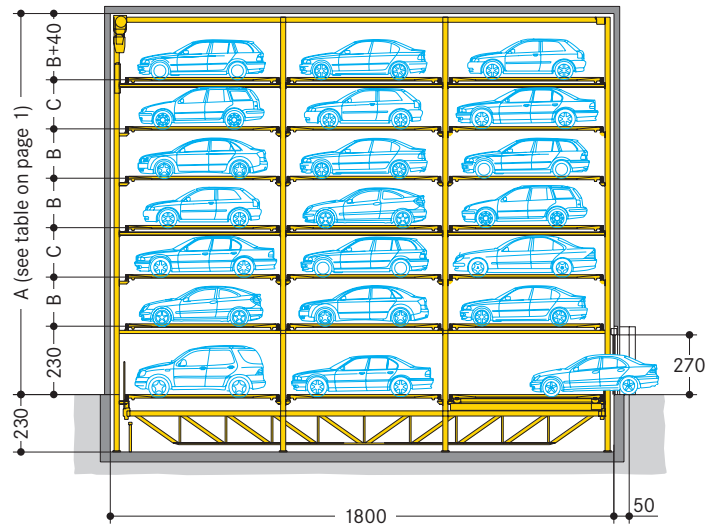
■ Parksafe 583 | Tower

- 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

Parking levels	Parking places	Dimension A* for 160 cm high cars	Dimension A* for 200 cm high cars
3	16	737	817
4	22	910	1030
5	28	1083	1243
6	34	1280	1481
7	40	1454	1694
8	46	1627	1907
9	52	1825	2145
10	58	1998	2358
11	64	2171	2571
12	70	2369	2809
13	76	2542	3022
14	82	2715	3235
15	88	2913	3473
16	94	3086	3686
17	100	3259	3899

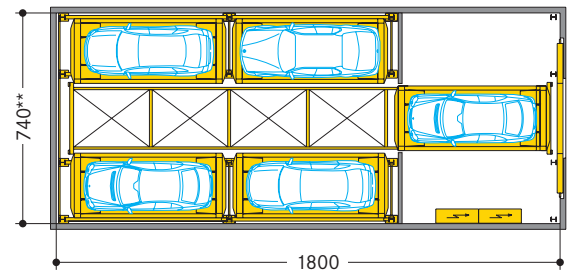
* If the transfer area is lateral to the lift the dimension need to be increased by 60 cm



Car height	Dimension B	Dimension C
160	173	198
185	198	223
200	213	238

Dimensions in cm

Entrance level



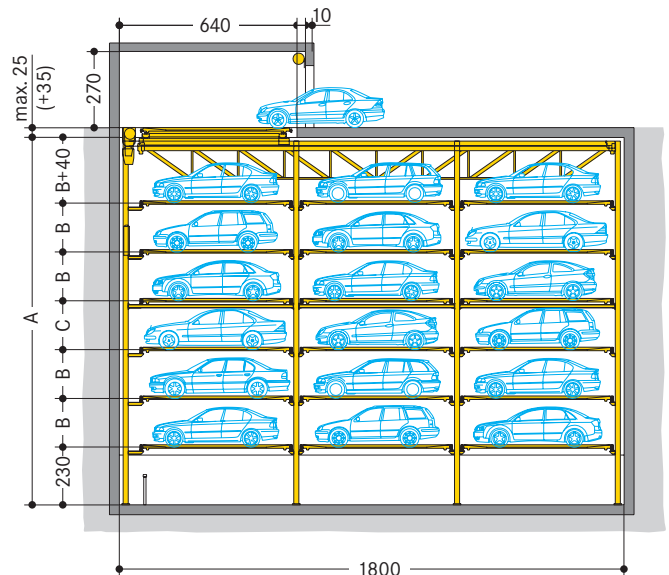
** With free-standing tower about 30 cm wider

■ Parksafe 583 | Shaft

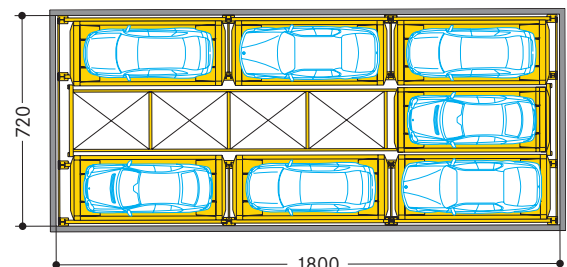
Parking levels	Parking places	Dimension A for 160 cm high cars	Dimension A for 200 cm high cars
2	12	641	681
3	18	814	854
4	24	987	1027
5	30	1185	1225
6	36	1358	1398
7	42	1531	1571
8	48	1729	1769
9	54	1902	1942
10	60	2075	2115
11	66	2273	2313
12	72	2446	2486
13	78	2619	2659
14	84	2817	2857
15	90	2990	3030
16	96	3163	3203

Car height	Dimension B	Dimension C
160	173	198
185	198	223
200	213	238

Dimensions in cm



Entrance level

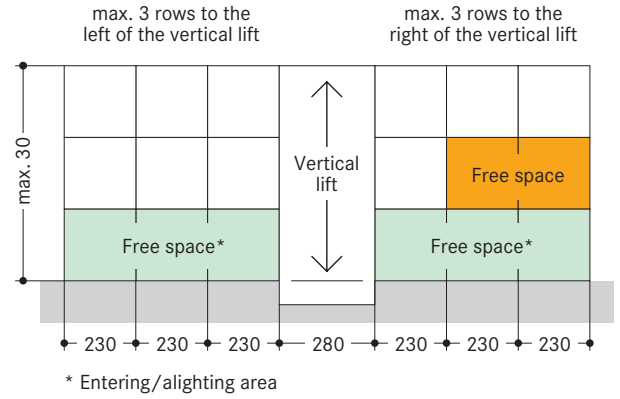


() Dimensions in brackets with turning device

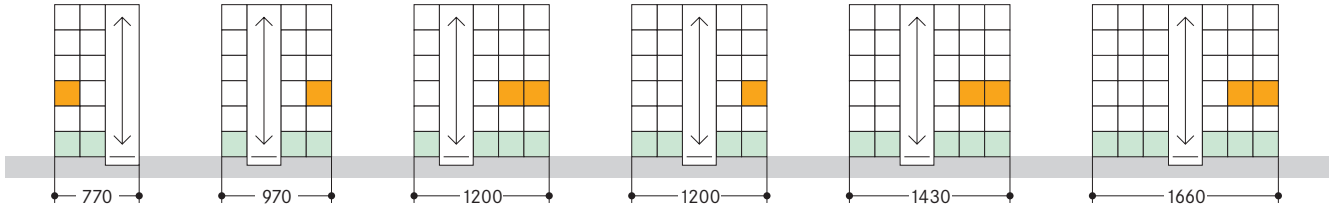
■ Different variants – Tower

With arrangements involving several rows, empty spaces are needed to allow shifting of the cars from the rear parking spaces to the lift.

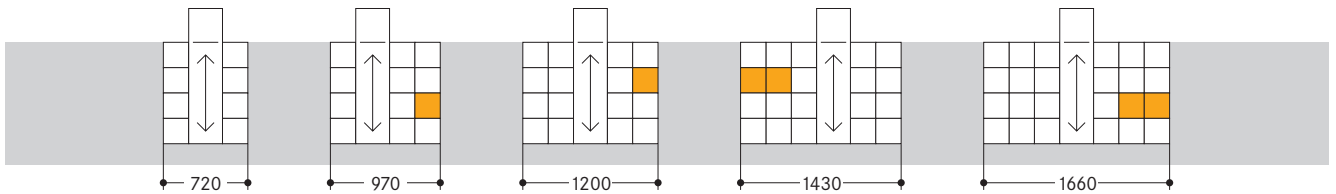
The number of empty spaces needed is derived from the number of rows minus one, i.e. with a three-row arrangement, two empty spaces are required, with two-row arrangement one empty space is needed. In case of a tower and tower/shaft version, no parking spaces can be provided in the alighting area to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



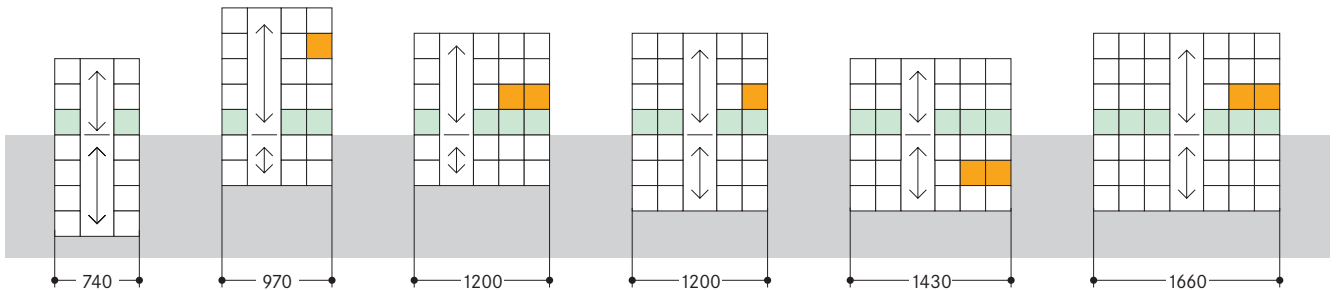
■ Different variants – Tower



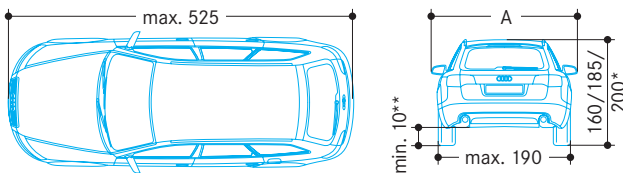
■ Different variants – Shaft



■ Different variants – Tower/Shaft



■ 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.

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