

# Data Sheet

## WÖHR PARKSAFE 580/582/583



Please observe the separate Technical Notes!

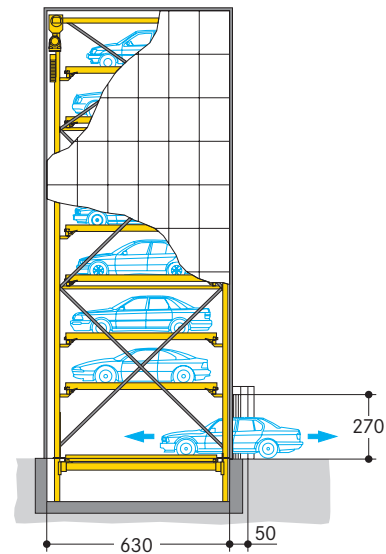
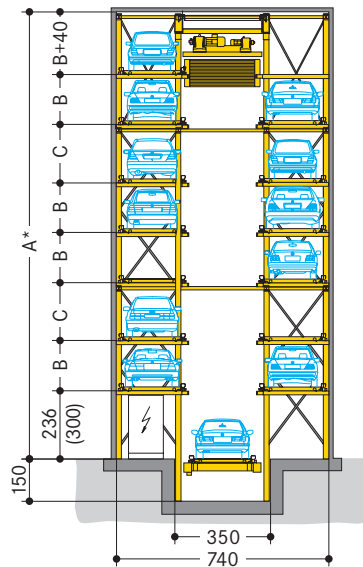


Based on storage rack principles, the vehicles are parked fully automatic in a tower or pit version of Parksafes.

- 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"

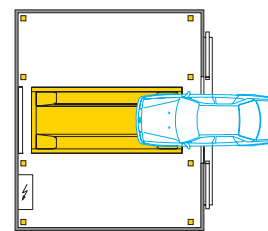
## ■ Parksafe 580 | Tower (free-standing or inside a building)

- 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                              |



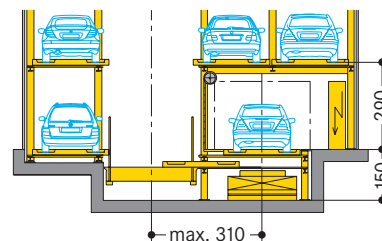
| Car height | Dimension B | Dimension C |
|------------|-------------|-------------|
| 160        | 173         | 198         |
| 185        | 198         | 223         |
| 200        | 213         | 238         |

Dimensions in cm

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

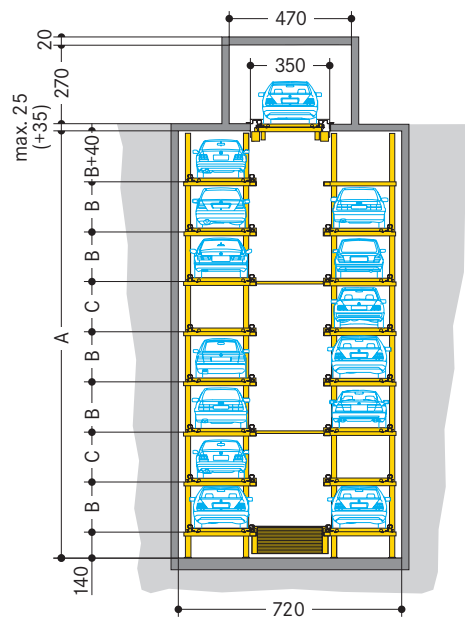
## ■ Alternatively: Transfer area lateral to the lift

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.

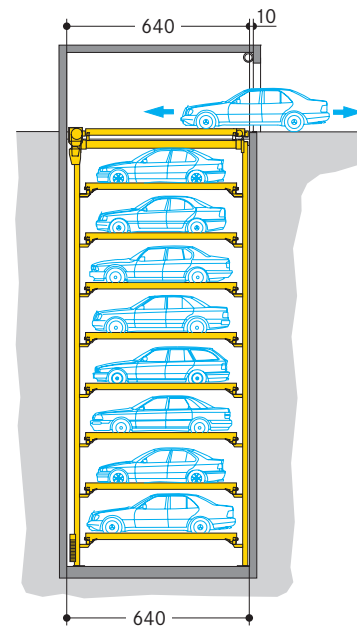


## ■ Parksafes 580 | Shaft

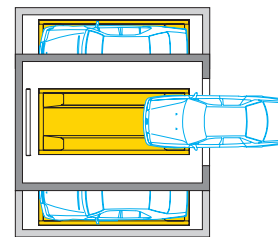
- Parking system with 2 parking spaces per level (standard system – 1 row)
- Up to 3 parking rows are possible on each side of the vertical lift
- Car height variable by use of different level heights
- Exit possible in driving direction by optional turning device inside the transfer area



( ) 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

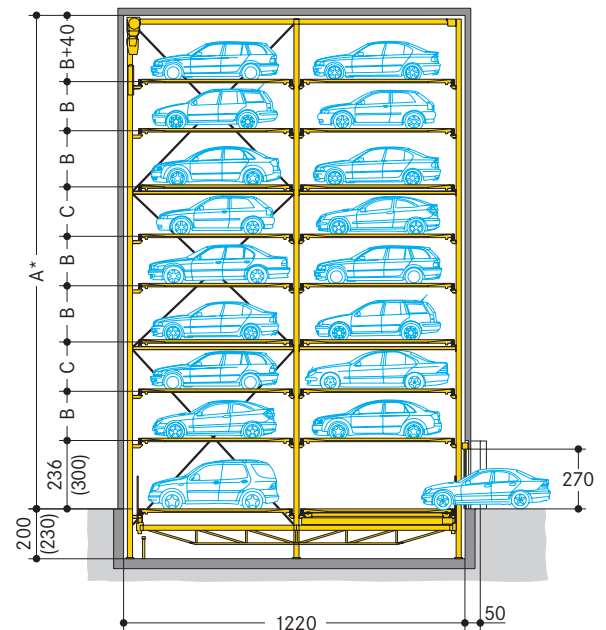
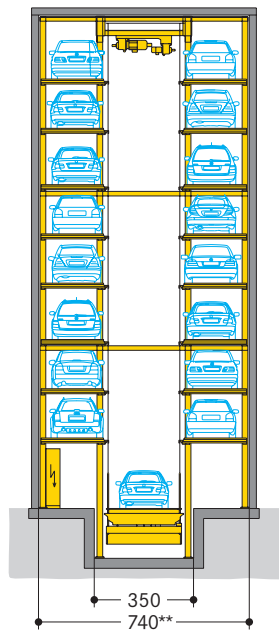
## ■ Maintenance access and switch cabinet

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

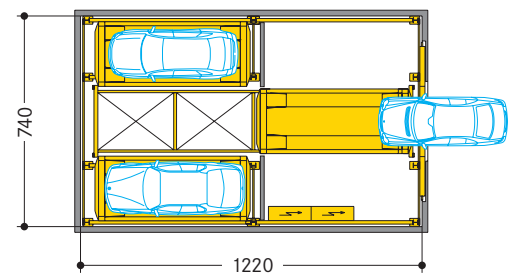
## ■ Parksafes 582 | Tower (free-standing or inside a building)

- 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

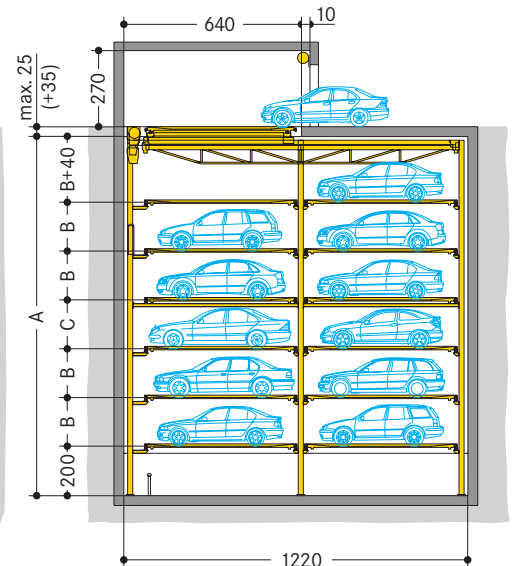
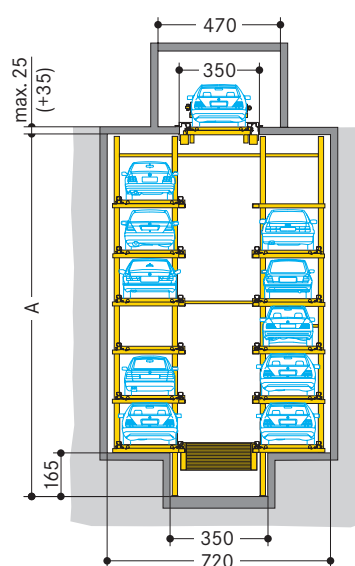
() Dimensions in brackets for a lift with turning device

## ■ Parksafes 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

## ■ Parksafes 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

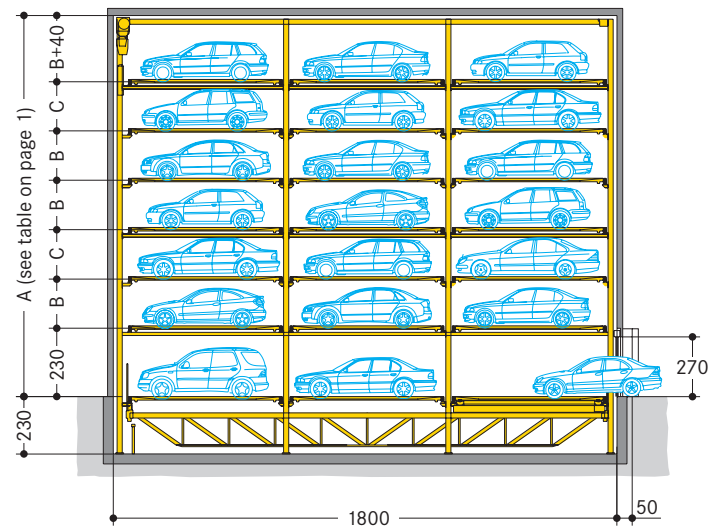
- Exit possible in driving direction by optional turning device (only possible with transfer area at the side)
- Façade available with glass, profile metal sheet, concrete casing, or similar

| 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                              |

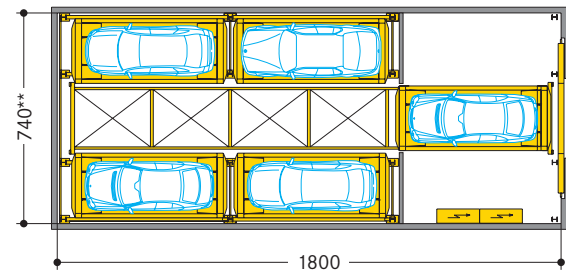
\* If the transfer area is lateral to the lift the dimension need to be increased by 60 cm

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

Dimensions in cm



Entrance level



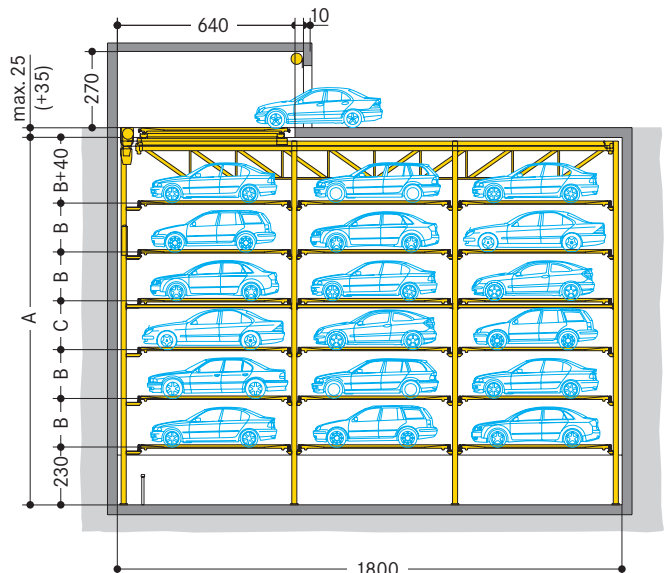
\*\* With free-standing tower about 30 cm wider

## ■ Parksafes 583 | Shaft

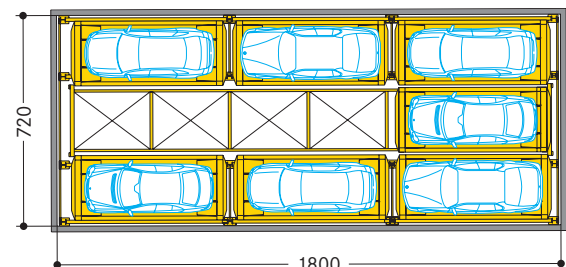
| Parking levels | Parking places | Dimension A for 160 cm high cars | Dimension A for 200 cm high cars |
|----------------|----------------|----------------------------------|----------------------------------|
| 2              | 12             | 641                              | 681                              |
| 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

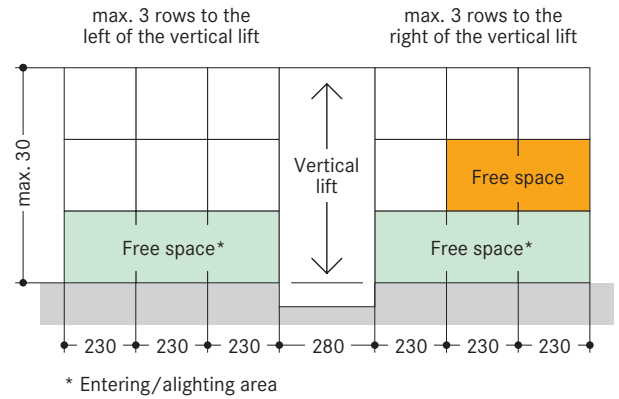


( ) Dimensions in brackets with turning device

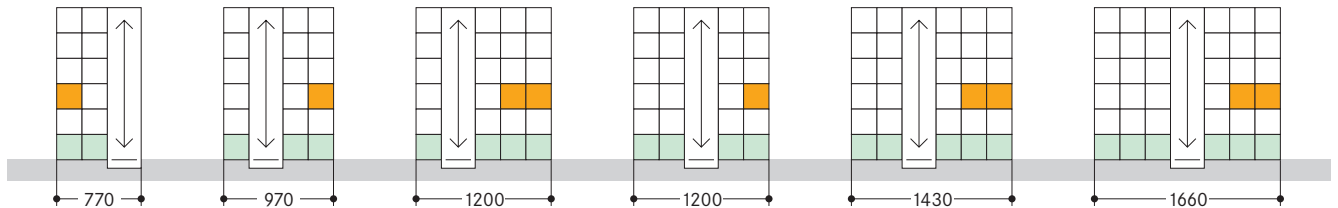
### ■ Different variants – Tower

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

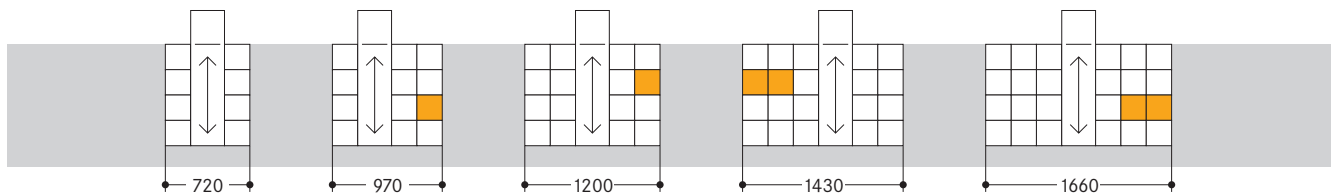
The number of empty spaces needed is derived from the number of rows minus one, i.e. with a three-row arrangement, two empty spaces are required, with two-row arrangement one empty space is needed. In case of a tower and tower/shaft version, no parking spaces can be provided in the alighting area to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



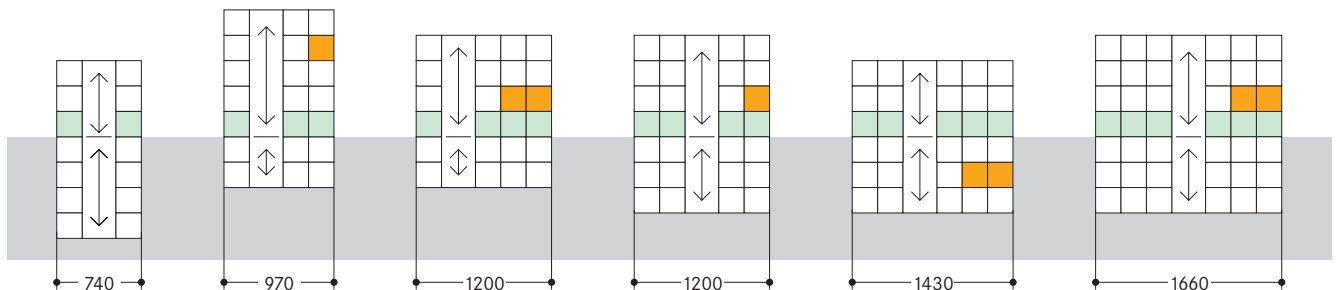
### ■ Different variants – Tower



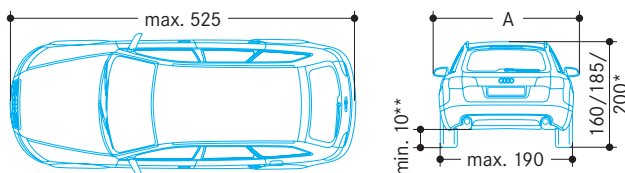
### ■ Different variants – Shaft



### ■ Different variants – Tower/Shaft



### ■ Max. car dimensions



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

| 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.**