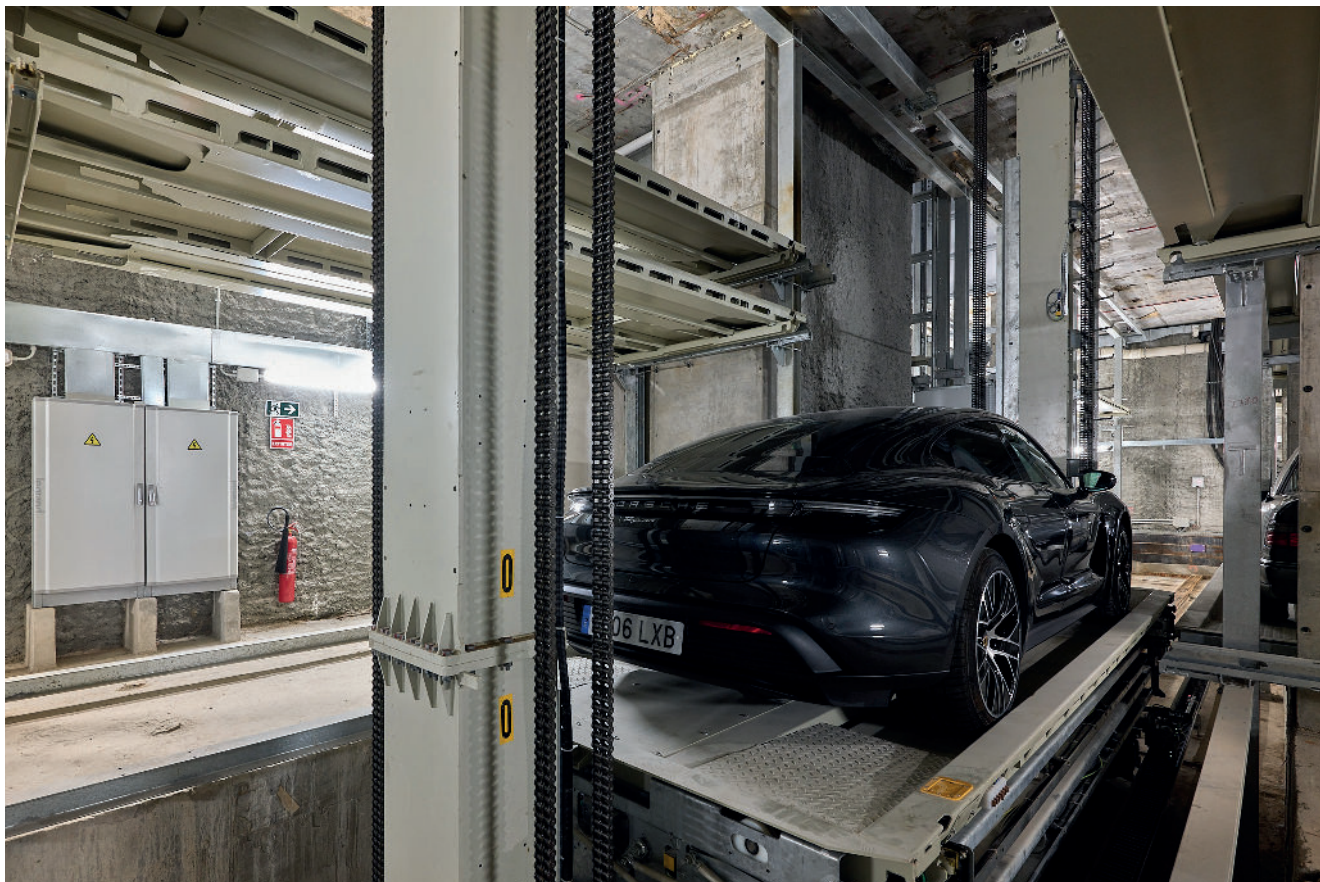


Data Sheet

WÖHR MULTIPARKER 740



Please observe the separate Technical Notes!



The Multiparker 740 is particularly suited to narrow and long floor plan areas and features a fully automatic space saving high rack storage parking arrangement.

- As tower and/or pit version provided up to 8 parking levels
- Automatically operated parking systems for 10 to more than 100 cars
- Variable system length available
- Multiple row arrangement with up to 3 parking rows behind each other
- Well adaptable to individual project requirements
- Safe for user and cars (no narrow ramps, dark stairs, no damage caused by theft or vandalism)
- Customizable arrangement of transfer area
- Fast access times
- No ramps and driving lanes
- No costly illumination and ventilation necessary
- 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 public parking
- Following the idea of „Green Parking“

Multiparker 740 | Shaft system for 1–8 parking levels With walls or columns between the parking spaces

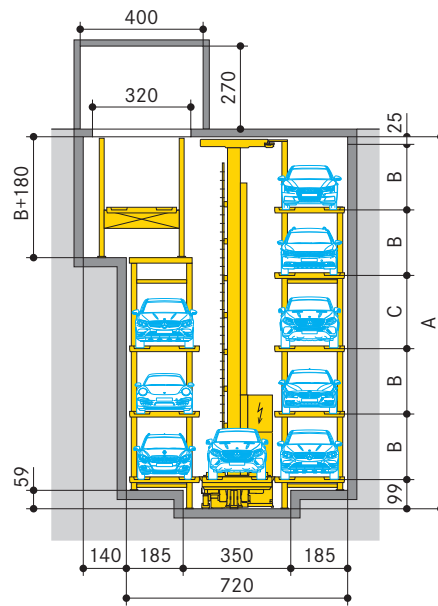
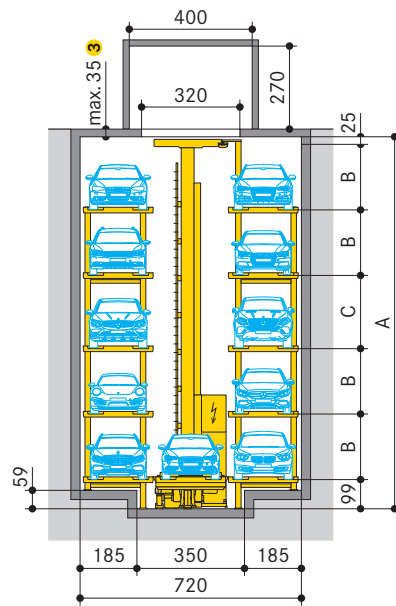
Linear expansion variable up to 80 m

Arrangement of transfer area directly above the storage and retrieval unit or in the parking zone above a separate vertical lift (see below)

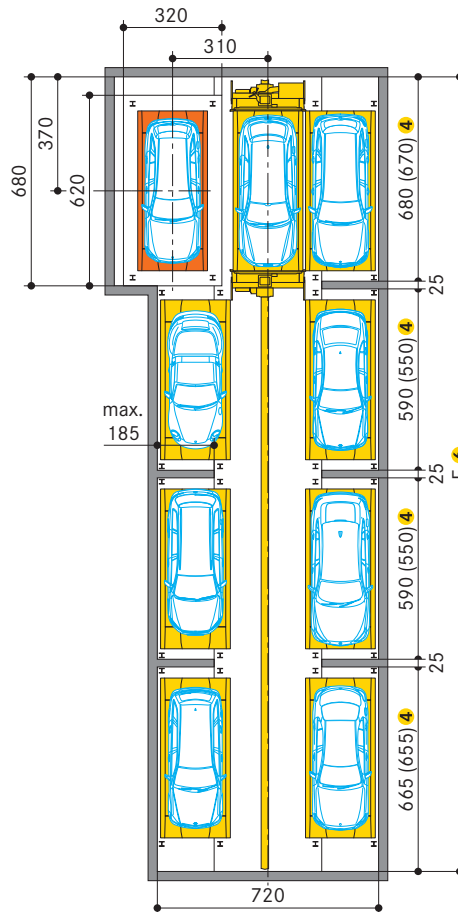
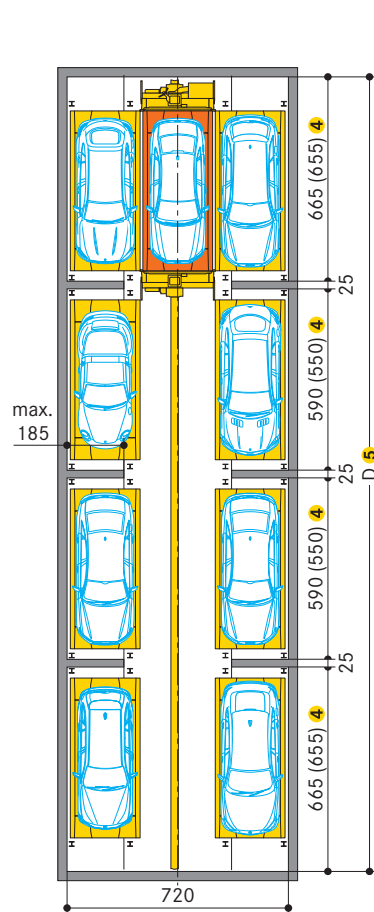
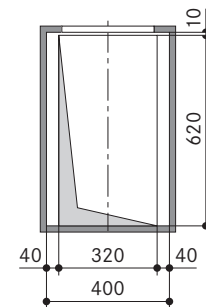
Vehicles of various height can be parked thanks to parking levels of various height

Multi-row arrangement (see page 6)

Integrated turning device is possible



Transfer area ²
(dimensions without turning device)



¹ Dimensions in cm.

² For the control unit, space (at least length 500 cm x width 200 cm x height 240 cm) must be available near the transfer area.

³ If ceiling thickness is more than 35 cm, the clearance (55 cm) must be extended by the same difference, e.g. ceiling thickness 60cm = clearance 80 cm.

⁴ Dimensions in brackets for one parking level only.

⁵ All specified dimensions of length D are examples only and depend on the width and number of partitions walls.

⁶ All specified dimensions of length E are examples only and depend on the width and number of partitions walls.

⁷ The number of parking spaces depends on number and arrangements of transfer areas.

⁸ Other car heights are possible. Please contact WÖHR.

⁹ For a total height (A) of 1800 cm or more, please contact WÖHR.

Parking levels	Dimension A for 160 cm high cars	Dimension A for 200 cm high cars
1	297	337
2	470	550
3	643	763
4	841	1001
5	1014	1214
6	1187	1427
7	1385	1665
8	1558	⁹

Car height ⁸	Dimension B	Dimension C
160	173	198
200	213	238

Parking places per level ⁷	From 2 parking levels Grid width 590 cm Length D ⁵	From 2 parking levels Grid width 590 cm Length E ⁶
6	1970	1985
8	2585	2600
10	3200	3215
12	3815	3830
14	4430	4445
16	5045	5060
18	5660	5675
20	6275	6290

Multiparker 740 | Shaft system for 1–8 parking levels Without walls or columns between the parking spaces

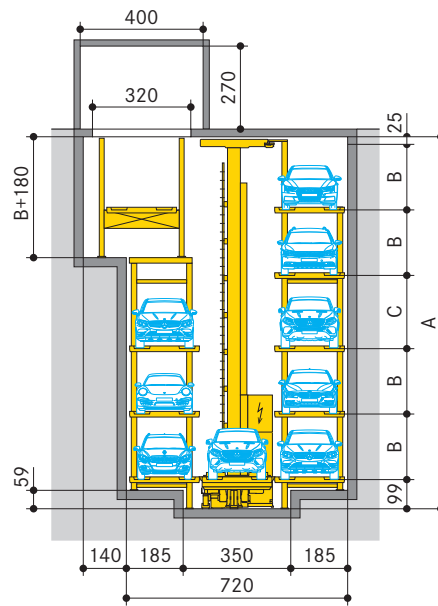
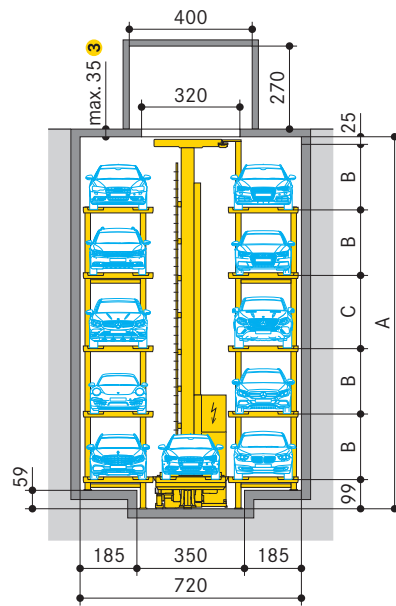
Linear expansion variable up to 80 m

Arrangement of transfer area directly above the storage and retrieval unit or in the parking zone above a separate vertical lift (see below)

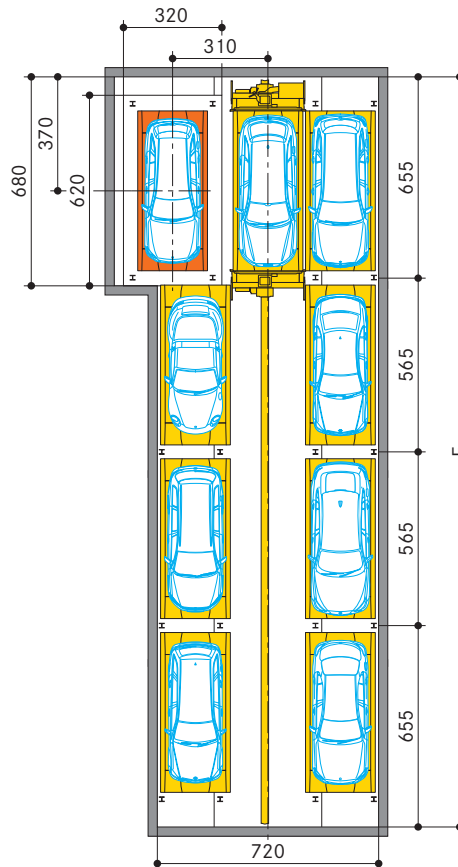
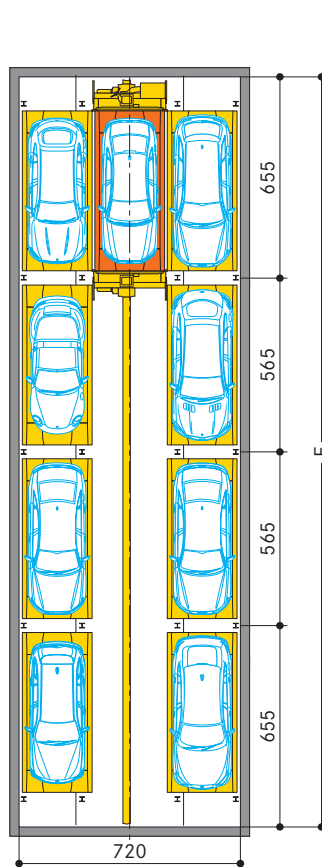
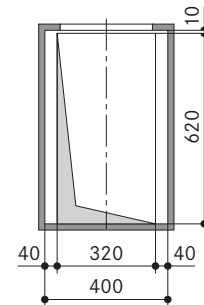
Vehicles of various height can be parked thanks to parking levels of various height

Multi-row arrangement (see page 6)

Integrated turning device is possible



Transfer area 2
(dimensions without turning device)



1 Dimensions in cm.

2 For the control unit, space (at least length 500 cm x width 200 cm x height 240 cm) must be available near the transfer area.

3 If ceiling thickness is more than 35 cm, the clearance (55 cm) must be extended by the same difference, e.g. ceiling thickness 60 cm = clearance 80 cm.

4 The number of parking spaces depends on number and arrangements of transfer areas.

5 Other car heights are possible. Please contact WÖHR.

6 For a total height (A) of 1800 cm or more, please contact WÖHR.

7 Turning on the storage and retrieval unit is possible. Please contact WÖHR, as more space is required.

Parking levels	Dimension A for 160 cm high cars	Dimension A for 200 cm high cars
1	297	337
2	470	550
3	643	763
4	841	1001
5	1014	1214
6	1187	1427
7	1385	1665
8	1558	1875

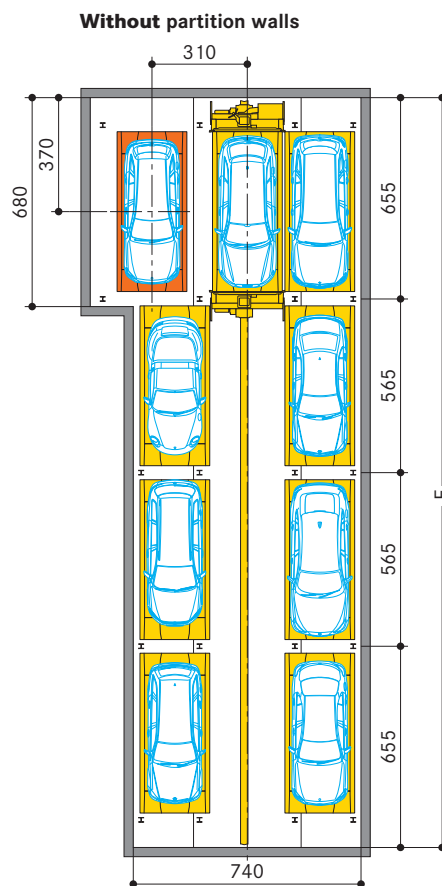
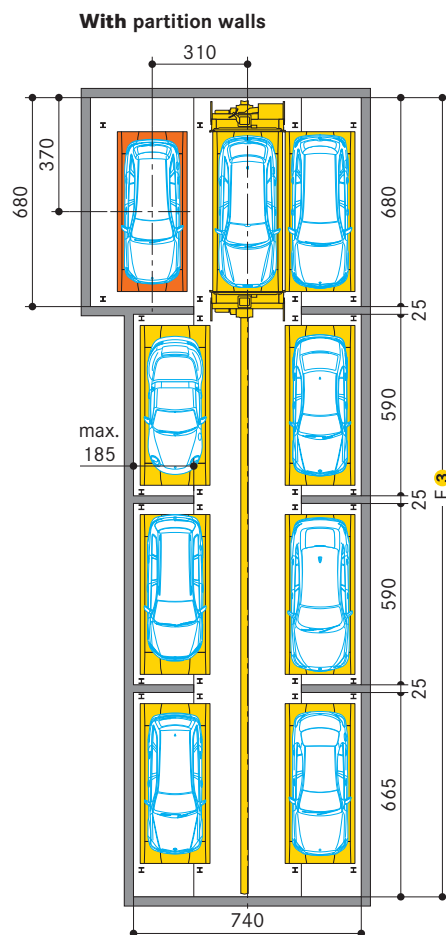
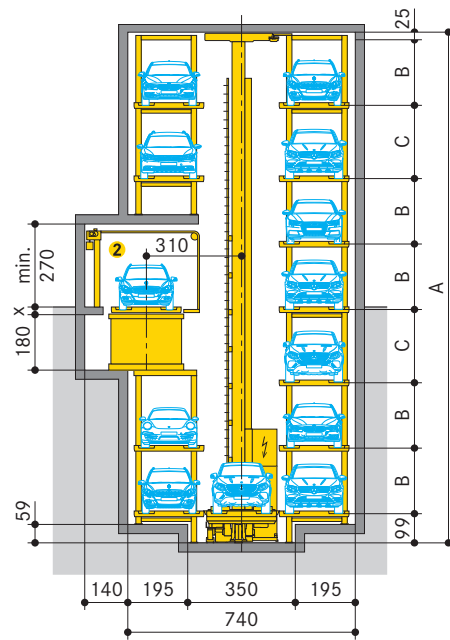
Parking places per level 4	From 2 parking levels Grid width 565 cm Length F
6	1875
8	2440
10	3005
12	3570
14	4135
16	4700
18	5265
20	5830

Car height 5	Dimension B	Dimension C
160	173	198
200	213	238

Multiparker 740 | Tower shaft system for 4–8 parking levels With and without walls or columns between the parking spaces

- Linear expansion variable up to 80 m
- Arrangement of transfer area in the parking zone (see below)

- Vehicles of various height can be parked thanks to parking levels of various height
- Multi-row arrangement (see page 6)
- Integrated turning device is possible



- Dimensions in cm.
- For the control unit, space (at least length 500 cm x width 200 cm x height 240 cm) must be available near the transfer area.
- All specified dimensions of length E are examples only and depend on the width and number of partitions walls.
and from the position of the lateral lift.
- The number of parking spaces depends on number and arrangements of transfer areas.
- Other car heights are possible. Please contact WÖHR.
- For a total height (A) of 1800 cm or more, please contact WÖHR.
- Turning on the storage and retrieval unit is possible. Please contact WÖHR, as more space is required.

Parking levels	Dimension A for 160 cm high cars	Dimension A for 200 cm high cars
4	841	1001
5	1014	1214
6	1187	1427
7	1385	1665
8	1558	6

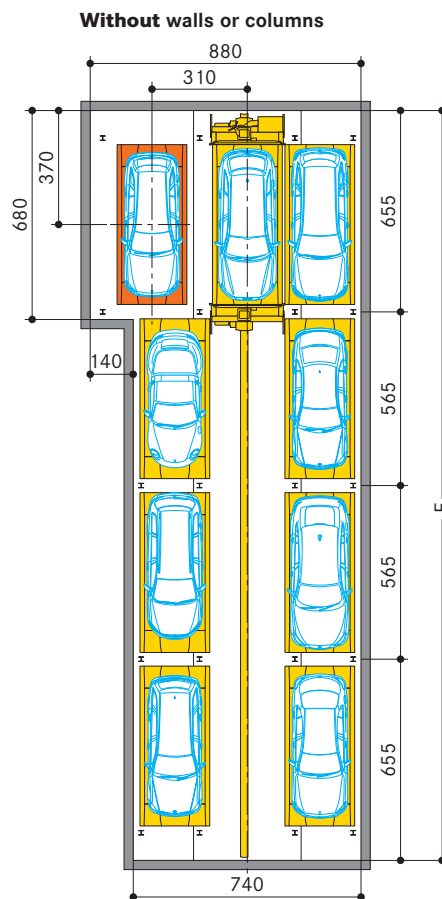
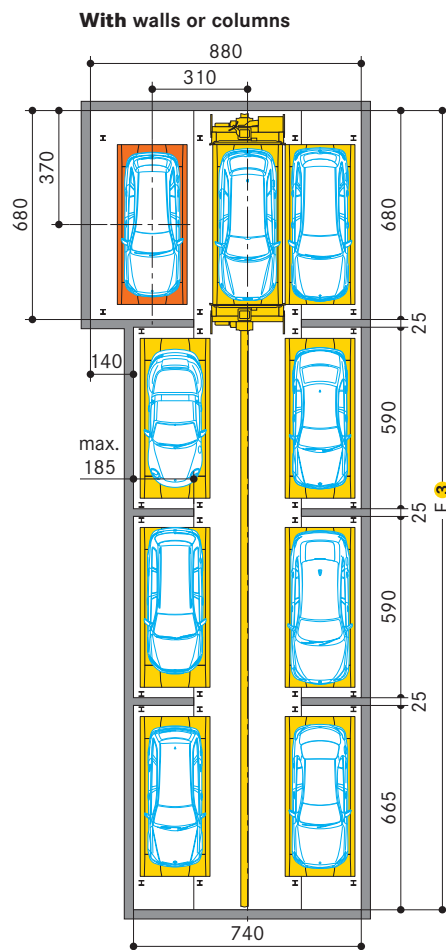
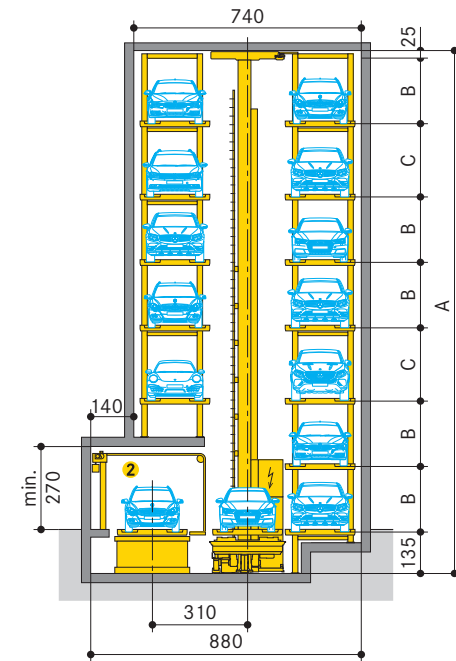
Car height 5	Dimension B	Dimension C
160	173	198
200	213	238

Parking places per level 4	From 2 parking levels Grid width 590 cm Length E 3	From 2 parking levels Grid width 565 cm Length F
6	1985	1875
8	2600	2440
10	3215	3005
12	3830	3570
14	4445	4135
16	5060	4700
18	5675	5265
20	6290	5830

Multiparker 740 | Tower system for 4–8 parking levels With and without walls or columns between the parking spaces

- Linear expansion variable up to 80 m
- Arrangement of transfer area in the parking zone (see below)

- Vehicles of various height can be parked thanks to parking levels of various height
- Multi-row arrangement (see page 6)
- Integrated turning device is possible



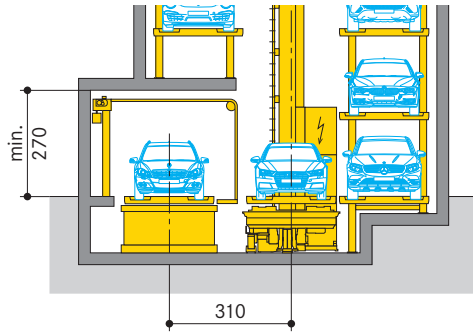
- Dimensions in cm.
- For the control unit, space (at least length 500 cm x width 200 cm x height 240 cm) must be available near the transfer area.
- All specified dimensions of length E are examples only and depend on the width and number of partitions walls. **and** from the position of the lateral lift.
- The number of parking spaces depends on number and arrangements of transfer areas.
- Other car heights are possible. Please contact WÖHR.
- For a total height (A) of 1800 cm or more, please contact WÖHR.
- Turning on the storage and retrieval unit is possible. Please contact WÖHR, as more space is required.

Parking levels	Dimension A for 160 cm high cars	Dimension A for 200 cm high cars
4	877	1037
5	1050	1250
6	1223	1463
7	1421	1701
max. 8	1594	6

Car height 5	Dimension B	Dimension C
160	173	198
200	213	238

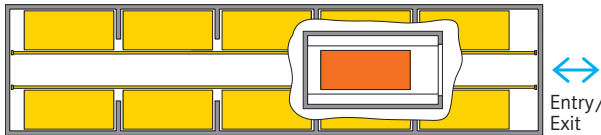
Parking places per level 4	From 2 parking levels Grid width 590 cm Length E 3	From 2 parking levels Grid width 565 cm Length F
6	1985	1875
8	2600	2440
10	3215	3005
12	3830	3570
14	4445	4135
16	5060	4700
18	5675	5265
20	6290	5830

Transfer area lateral to the storage and retrieval unit

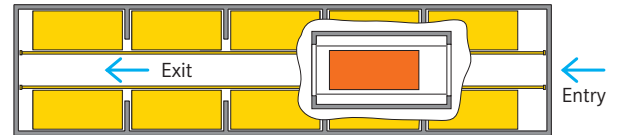


Schematic representation of the pallet change in the lateral transfer area. Please contact WÖHR for more details!

Transfer area directly above the storage and retrieval unit

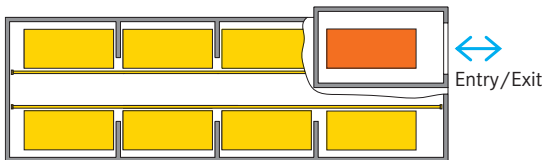


Central arrangement of transfer area. Entry and exit from one direction.

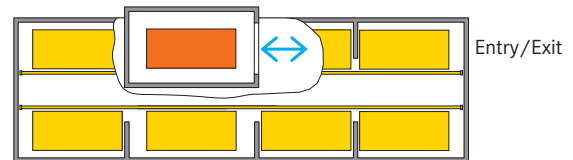


Drive-through transfer area, with entry and rear exit.

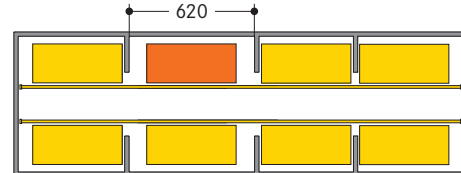
Lift or transfer area lateral to the storage and retrieval unit



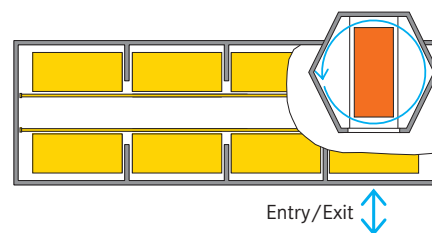
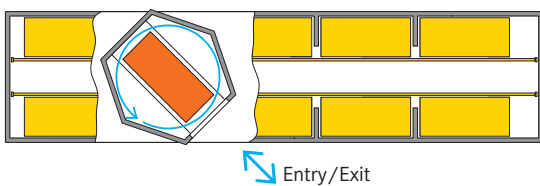
Transfer area arranged frontal on one side, with entry and exit from one direction.



Transfer area can be arranged above any parking space.

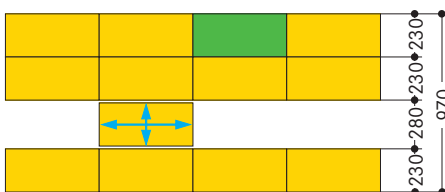


Turning device



By use of a turning device inside the transfer area, access is possible at any angle. Thus, narrow driveways are no problem.

Different variants – Multi-row arrangement



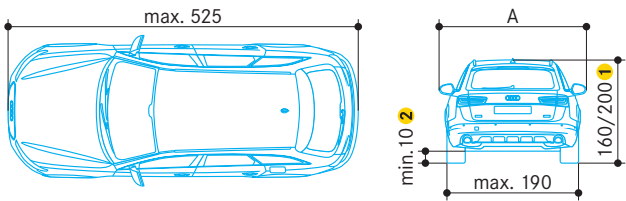
The multi-row arrangement allows an optimum utilisation of the available space and/or land area and saves civil engineering costs, particularly with the shaft variant.

An empty space (green) in the system allows to rearrange the cars in such a way that in-parking and out-parking in the second row becomes possible.

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
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.

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).