

Data Sheet

WÖHR MULTIPARKER 710/720/730



Please observe the separate Technical Notes!



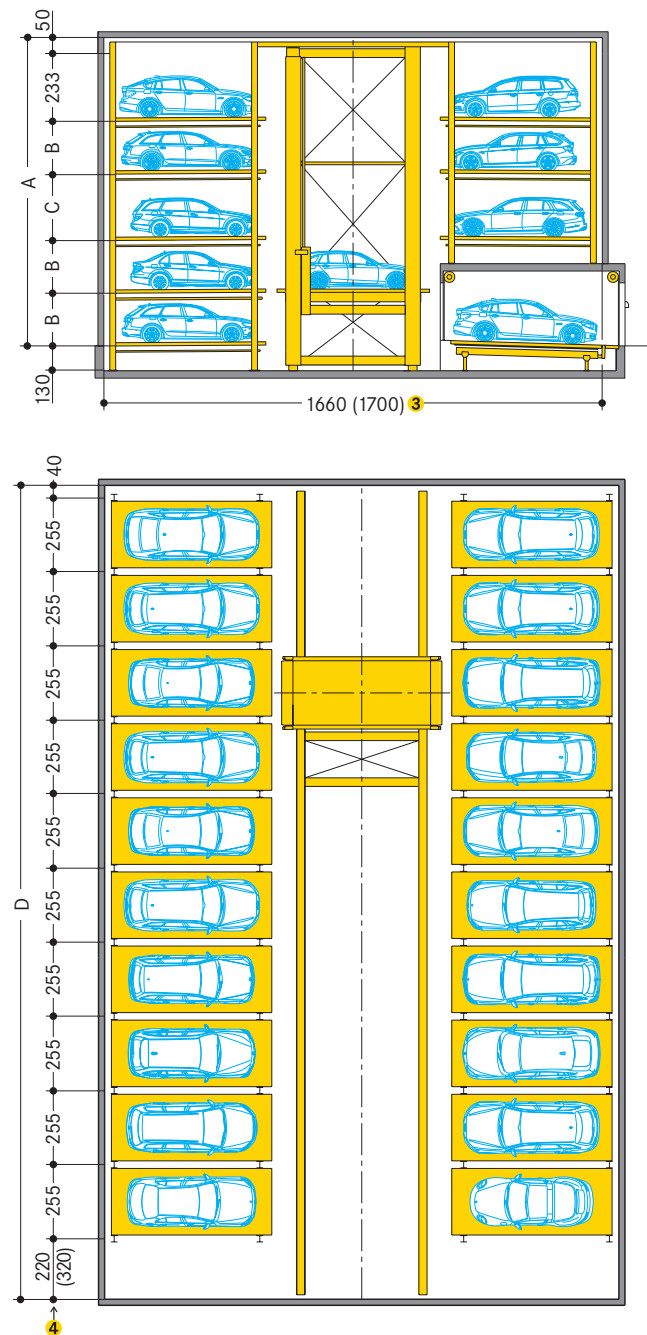
The Multiparker utilizes clever and smart the available surface and provides parking space with different variants.

- As tower and/or pit version
- Automatically operated parking systems for 10 to more than 100 cars
- Variable system length available
- Multiple row arrangement with up to 2 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
- Very fast access time by use of a quick-change pallet system
- 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 apartment- and office buildings and for public parking
- Following the idea of "Green Parking"

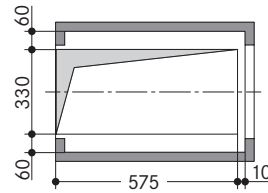
Multiparker 710 | Tower system for 2–8 parking levels

- Parking system for 2–8 parking levels as tower variant
- Linear expansion variable (see dimension D on table below)
- Variable arrangement of transfer area (see page 8)

- Vehicles of various height can be parked thanks to parking levels of various height
- Multi-row arrangement (see page 8)
- Quick-change pallet system = short access times
- Integrated turning device possible (option)



Transfer area (dimensions without turning device) ②



Parking levels	Dimension A for 160 cm high cars	Dimension A for 200 cm high cars
2	476	516
3	669	749
4	882	1002
5	1075	1235
6	1268	1468
7	1481	1721
8	1674	1954

Car height ⑤	Dimension B	Dimension C
160	193	213
200	233	253

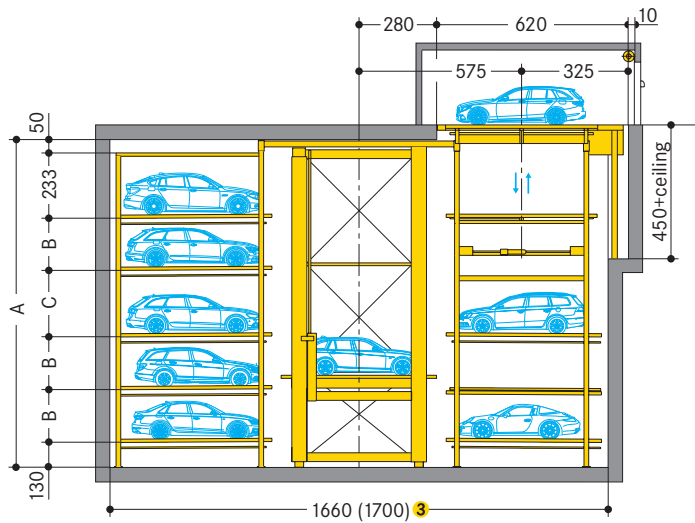
Parking places per level ⑥	Pallet width 230 Grid width 255 cm Length D	
12	1790	
14	2045	
16	2300	
18	2555	
20	2810	
22	3065	
24	3320	
26	3575	
28	3830	
30	4085	
32	4340	
34	4595	
36	4850	
38	5105	
40	5360	

- 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.
- Dimensions in brackets for storage and retrieval unit with turning device.
- Dimensions for pallet width 230.
- Other car heights are possible. Please contact WÖHR.
- The number of parking places depends on number and arrangement of transfer areas.

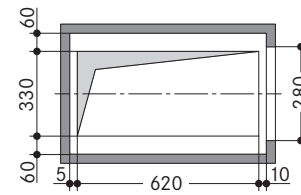
Multiparker 710 | Shaft system for 2–8 parking levels

- Parking system for 2–8 parking levels as shaft variant
- Linear expansion variable (see dimension D on table below)
- Variable arrangement of transfer area (see page 8)

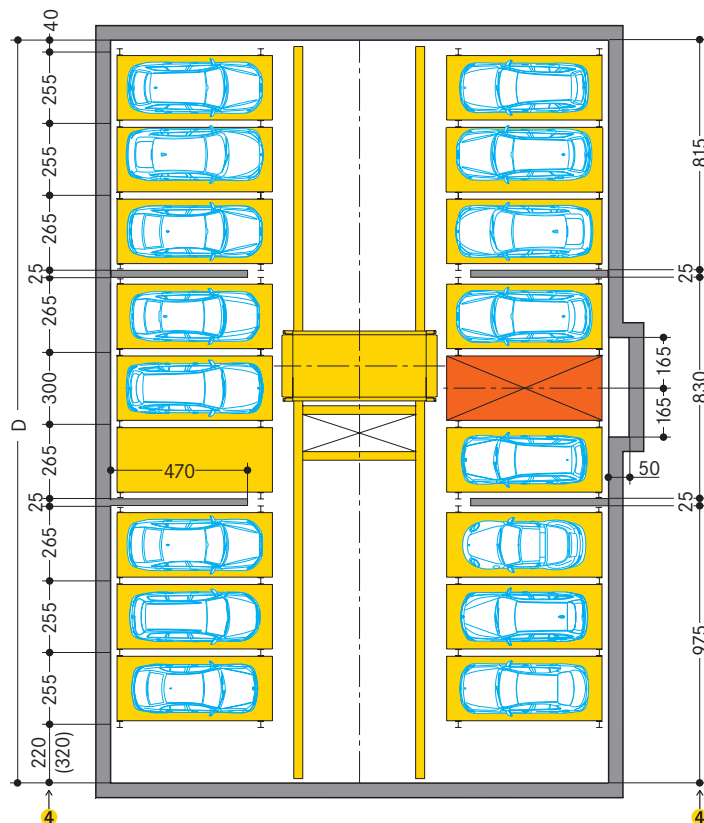
- Vehicles of various height can be parked thanks to parking levels of various height
- Multi-row arrangement (see page 8)
- Quick-change pallet system = short access times
- Integrated turning device possible (option)



Transfer area (dimensions without turning device) ❷



Parking levels	Dimension A for 160 cm high cars	Dimension A for 200 cm high cars
2	606	646
3	799	879
4	1012	1132
5	1205	1365
6	1398	1598
7	1611	1851
8	1804	2084



Car height ❺	Dimension B	Dimension C
160	193	213
200	233	253

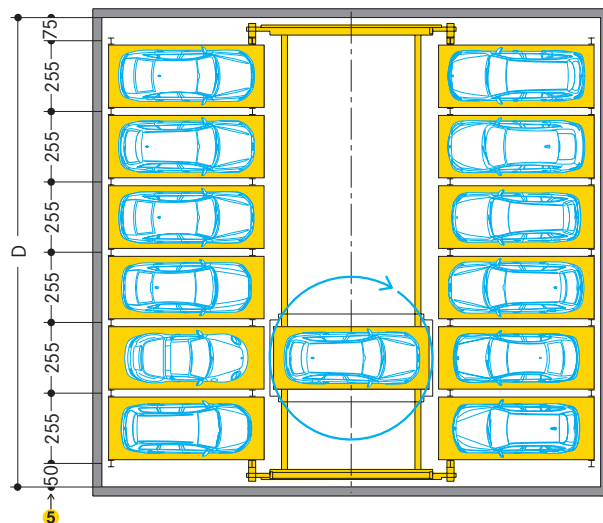
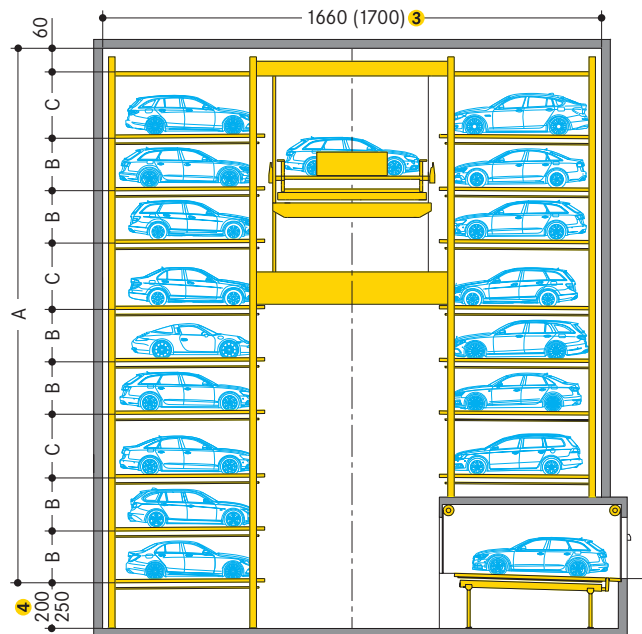
Parking places per level ❻	Pallet width 230 Grid width 255 cm Length D ❼	
12	1880	
14	2180	
16	2435	
18	2690	
20	2990	
22	3245	
24	3500	
26	3800	
28	4055	
30	4310	
32	4610	
34	4865	
36	5120	
38	5420	
40	5675	
42	5930	

- 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.
- Dimensions in brackets for storage and retrieval unit with turning device.
- Dimensions for pallet width 230.
- Other car heights are possible. Please contact WÖHR.
- The number of parking places depends on number and arrangement of lifts.
- All specified dimensions of length D are examples only and depend on width and number of partitions walls.

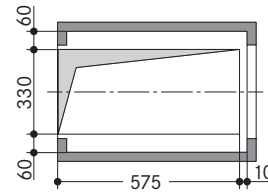
Multiparker 720 | Tower system for 4–20 parking levels

- Parking system for 4–20 parking levels as tower variant
- Linear expansion limited to max. 6 parking bays per row
- Variable arrangement of transfer area (see page 8)

- Vehicles of various height can be parked thanks to parking levels of various height
- Multi-row arrangement (see page 8)
- Quick-change pallet system = short access times
- Integrated turning device possible (option)



Transfer area (dimensions without turning device) 2



Parking levels	Dimension A for 160 cm high cars	Dimension A for 200 cm high cars
4	852	1012
5	1045	1245
6	1238	1478
7	1451	1731
8	1644	1964
9	1837	2197
10	2050	2450
11	2243	2683
12	2436	2916
13	2649	3169
14	2842	3402
15	3035	3635
16	3248	3888
17	3441	4121
18	3634	4354
19	3847	4607
20	4040	4840

Car height 6	Dimension B	Dimension C
160	193	213
200	233	253

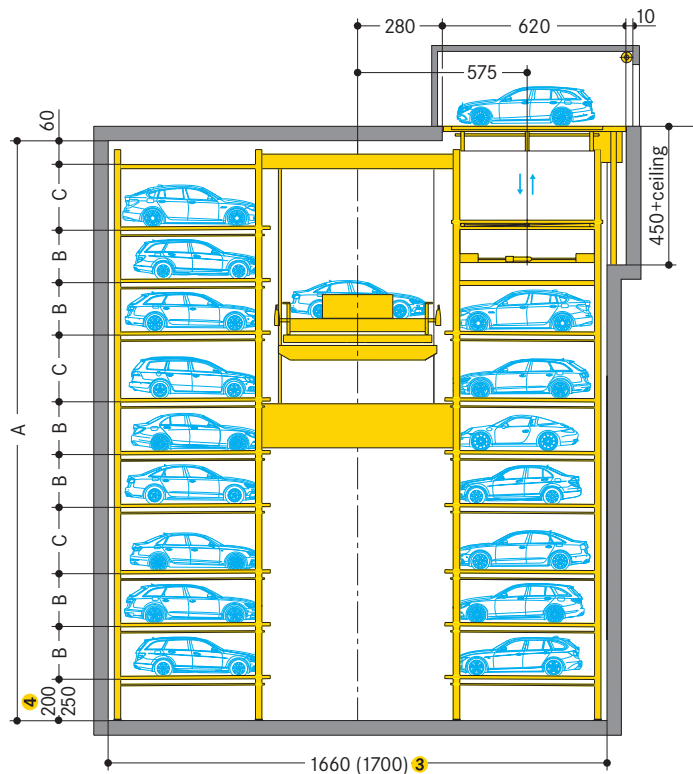
Parking places per level 7	Pallet width 230 Grid width 255 cm Length D	
6	890	
8	1145	
10	1400	
max. 12	1655	

- 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.
- Dimensions in brackets for storage and retrieval unit with turning device.
- Dimension 200 cm apply to 4 or 8 parking places per level. Dimension 250 cm apply to 10 or 12 parking places per level.
- Dimensions for pallet width 230.
- Other car heights are possible. Please contact WÖHR.
- The number of parking places depends on number and arrangement of transfer areas.

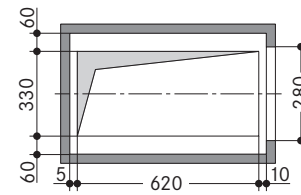
Multiparker 720 | Shaft system

- Linear expansion limited to max. 6 parking bays per row
- Variable arrangement of transfer area (see page 8)
- Vehicles of various height can be parked thanks to parking levels of various height

- Multi-row arrangement (see page 8)
- Quick-change pallet system = short access times
- Integrated turning device possible (option)

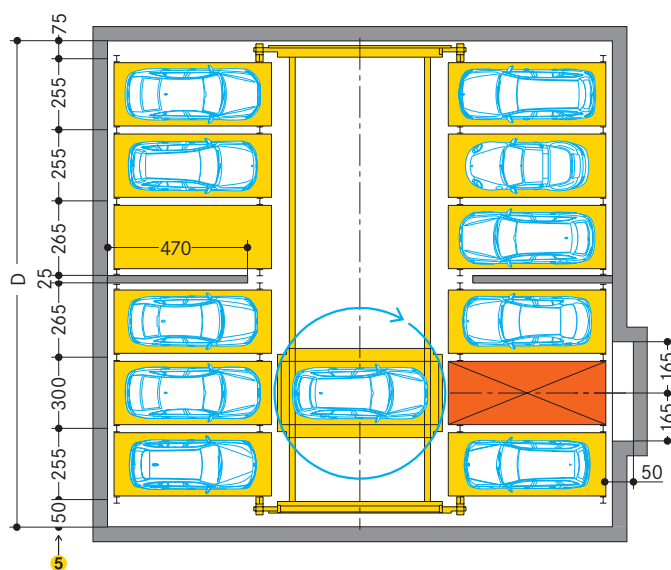


Transfer area (dimensions without turning device) ²



Parking levels	Dimension A ⁶ for 160 cm high cars	Dimension A ⁶ for 200 cm high cars
1	453	493
2	664	726
3	839	959
4	1052	1212
5	1245	1445
6	1438	1678
7	1651	1931
8	1844	2164
9	2037	2397
10	2250	2650
11	2443	2883
12	2636	3116

Car height ⁷	Dimension B	Dimension C
160	193	213
200	233	253

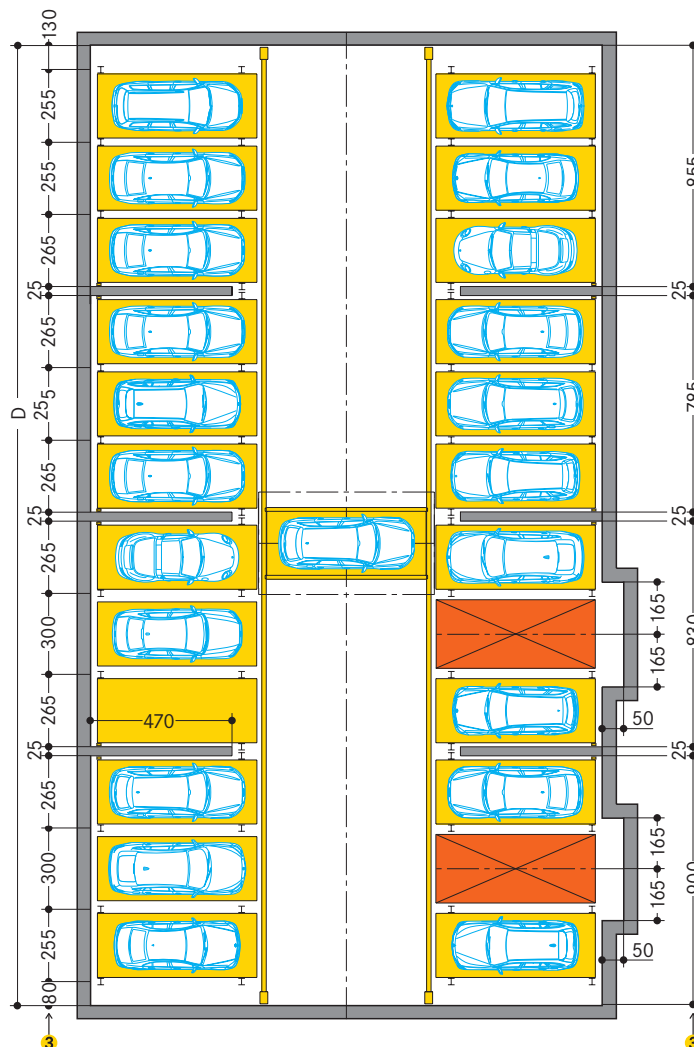
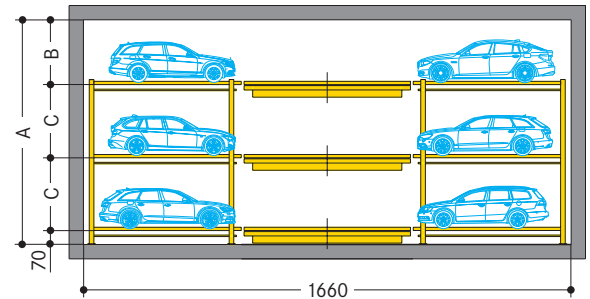
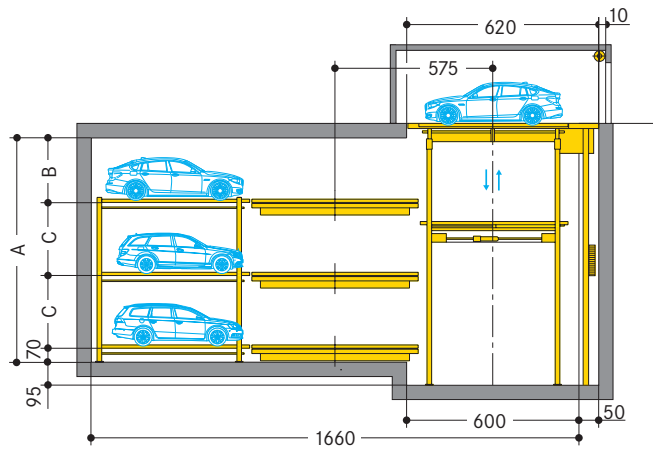


Parking places per level ⁸	Pallet width 230 Grid width 255 cm Length D ⁹	
6	935	
8	1235	
10	1490	
max. 12	1745	

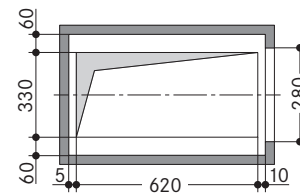
- Dimensions in cm.
- For the control unit, space (at least length 500 cm x width 200 cm x height 240 cm) must be available near the transfer area.
- Dimensions in brackets for storage and retrieval unit with turning device.
- Dimension 200 cm apply to 6 or 8 parking places per level. Dimension 250 cm apply to 10 or 12 parking places per level.
- Dimensions for pallet width 230.
- All mentioned dimensions apply to 6 or 8 parking places per level. If 10 or 12 parking places per level are planned, these dimensions are to be increased by 50 cm.
- Other car heights are possible. Please contact WÖHR.
- The number of parking places depends on number and arrangement of transfer areas.
- All specified dimensions of length D are examples only and depend on width and number of partitions walls.

Multiparker 730 | Shuttle/Lift system with steel structure

- Parking system for a high number of parking spaces and a high throughput
- Separate shuttle in each parking level
- Each parking level connected with entrance/exit level by lifting unit
- Linear expansion variable (see dimension D on table below)
- Vehicles of various height can be parked thanks to parking levels of various height
- Multi-row arrangement (see page 8)
- Quick-change pallet system = short access times
- Integrated turning device in the transfer area possible (option)



Transfer area (dimensions without turning device) ²



Parking levels	Dimension A for 160 cm high cars	Dimension A for 200 cm high cars
2	465	545
3	690	810
4	915	1075
5	1140	1340

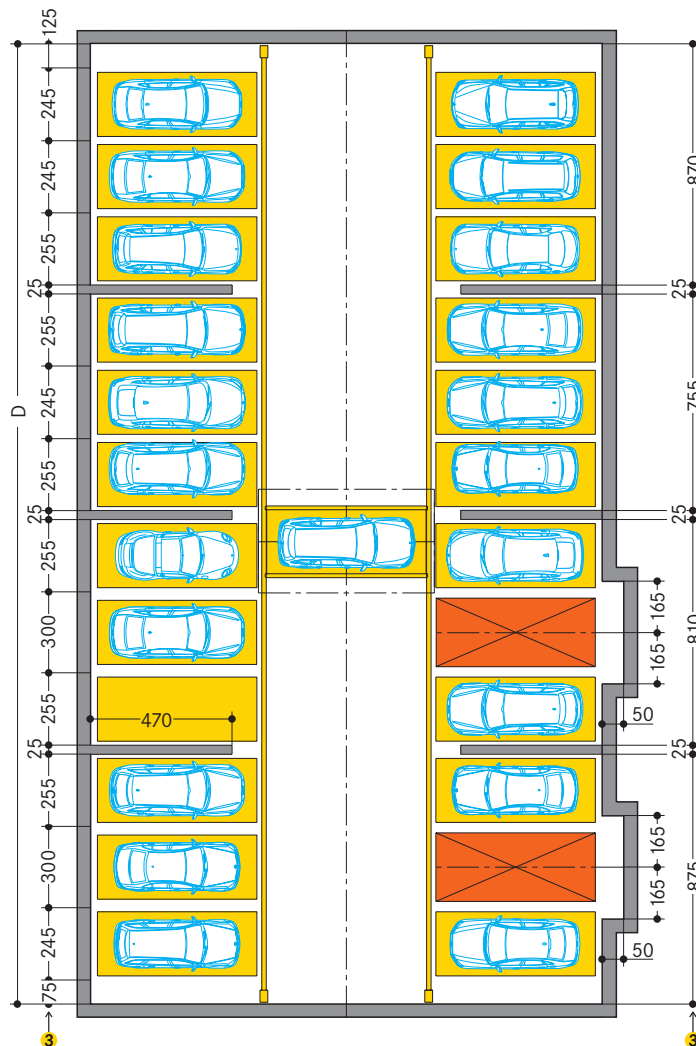
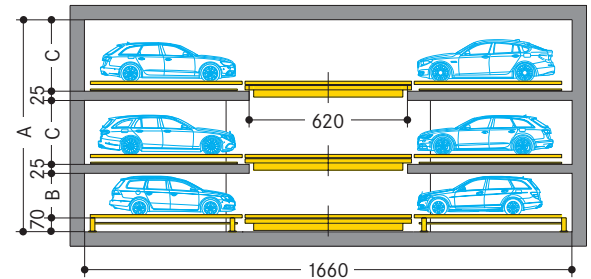
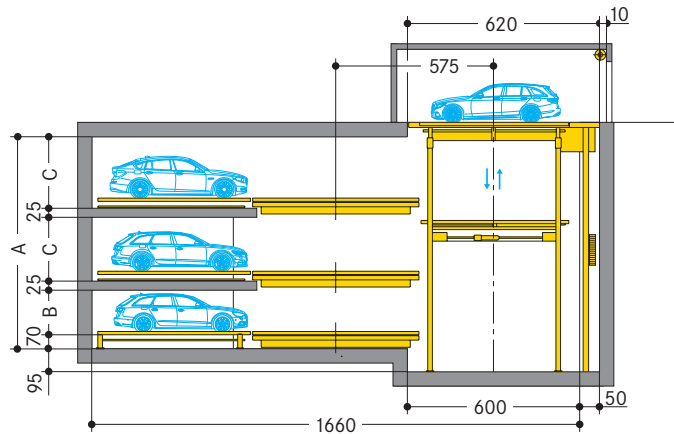
Car height ⁴	Dimension B	Dimension C
160	225	170
200	265	210

Parking places per level ⁵	Pallet width 230 Length D ⁶	
22	3495	
24	3795	
26	4050	
28	4305	
30	4605	
32	4860	
34	5115	
36	5415	
38	5670	
40	5925	
42	6225	
44	6480	
46	6735	
48	7035	
50	7290	

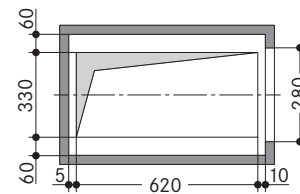
- Dimensions in cm.
- For the control unit, space (at least length 500 cm x width 200 cm x height 240 cm) must be available near the transfer area.
- Dimensions for pallet width 230.
- Other car heights are possible. Please contact WÖHR.
- The number of parking places depends on number and arrangement of the lift.
- All specified dimensions of length D are examples only and depend on width, number of partitions walls and number of lifts.

Multiparker 730 | Shuttle/Lift system with intermediate ceiling

- Parking system for a high number of parking spaces and a high throughput
- Separate shuttle in each parking level
- Each parking level connected with entrance/exit level by lifting unit
- Linear expansion variable (see dimension D on table below)
- Vehicles of various height can be parked thanks to parking levels of various height
- Multi-row arrangement (see page 8)
- Quick-change pallet system = short access times
- Integrated turning device in the transfer area possible (option)



Transfer area (dimensions without turning device) ²



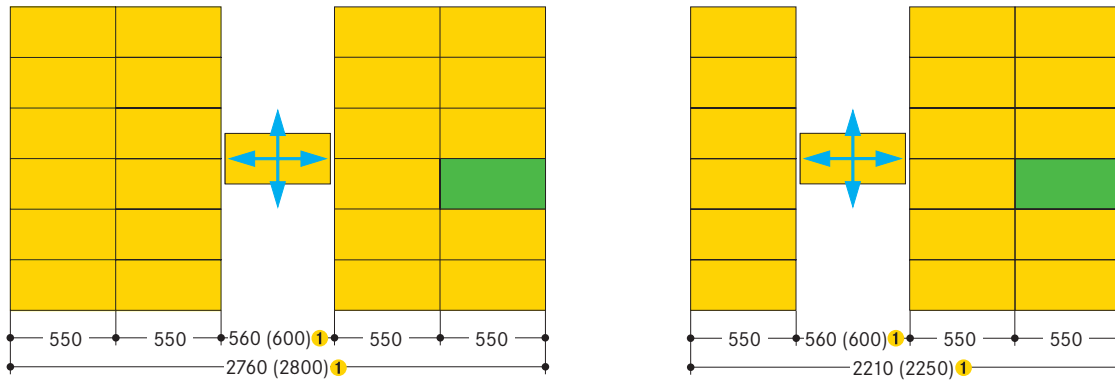
Parking levels	Dimension A for 160 cm high cars	Dimension A for 200 cm high cars
2	471	551
3	704	824
4	937	1097
5	1170	1370

Car height ⁴	Dimension B	Dimension C
160	193	213
200	208	248

Parking places per level ⁵	Pallet width 230 Length D ⁶	
22	3385	
24	3675	
26	3920	
28	4165	
30	4455	
32	4700	
34	4945	
36	5235	
38	5480	
40	5725	
42	6015	
44	6260	
46	6505	
48	6795	
50	7040	

- 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.
- Dimensions for pallet width 230.
- Other car heights are possible. Please contact WÖHR.
- The number of parking places depends on number and arrangement of the lift.
- All specified dimensions of length D are examples only and depend on width, number of partitions walls and number of lifts.

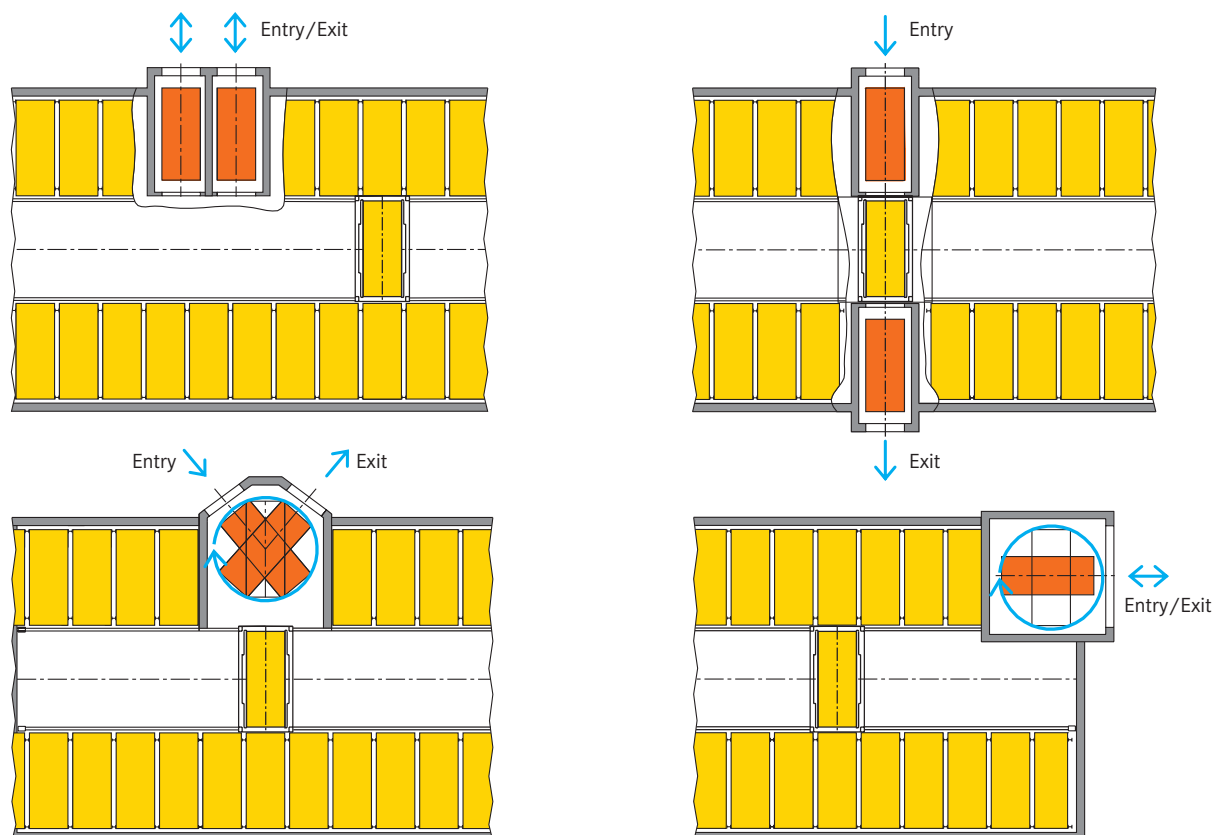
Multi-row arrangement



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.

① Dimensions in brackets for storage and retrieval unit with turning device.

Possible arrangements of transfer area

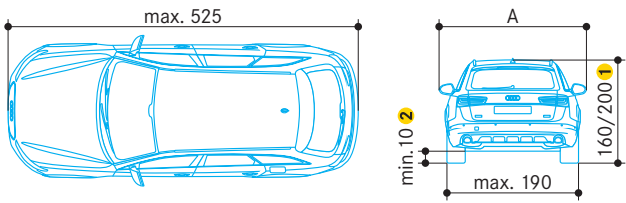


The arrangement of the transfer area is flexible. The optimum arrangement is always in the system center which has the shortest access times. Depending on the need and kind of utilisation, the number of the transfer areas can be adapted.

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).