# Data Sheet
# Wöhr Crossparker 558

**Crossparker 558-2,0:** Load per platform max. 2000 kg (load per wheel max. 500 kg).
**Crossparker 558-2,6:** Load per platform max. 2600 kg (load per wheel max. 650 kg).

## Notes

1. Measurements have to be clarified with Wöhr before starting the construction.
2. The manufacturer reserves the right to modify or alter specifications.





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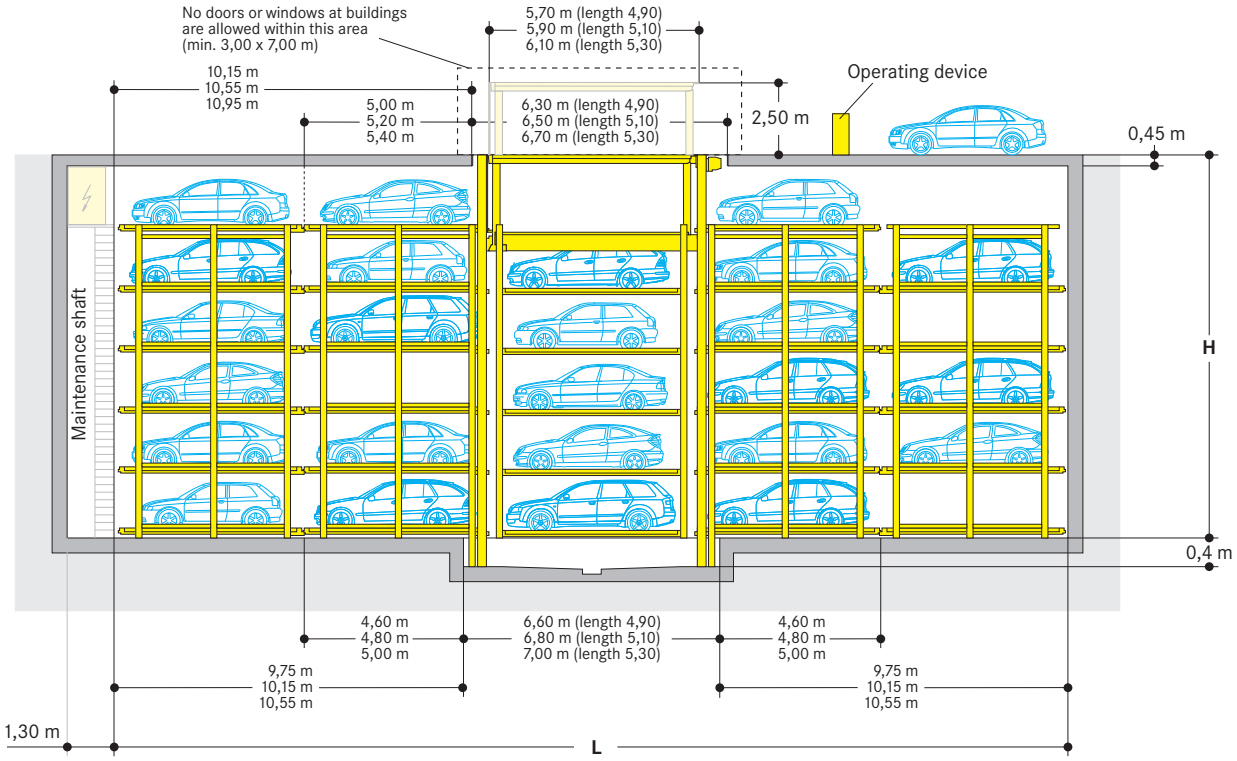
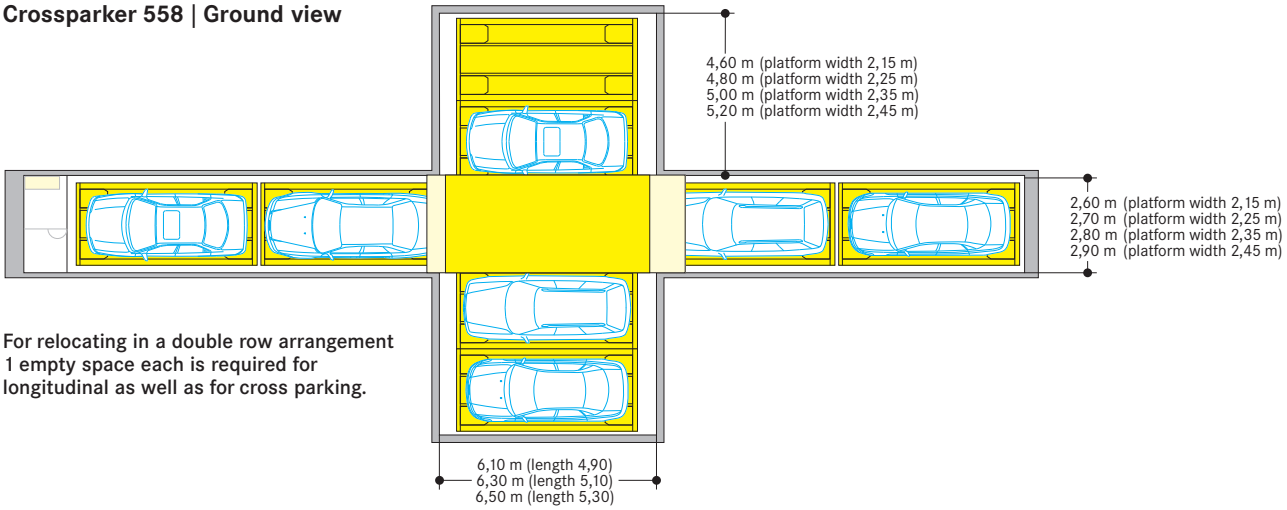
## Dimensions




| Levels | Height H Car height 1,50 m* | Height H Car height 1,75 m* | Height H Car height 2,00 m |
|---|---|---|---|
| 1 | 2,75 m | 2,75 m | 2,75 m |
| 2 | 4,45 m | 4,70 m | 4,95 m |
| 3 | 6,15 m | 6,65 m | 7,15 m |
| 4 | 7,85 m | 8,60 m | 9,35 m |
| 5 | 9,55 m | 10,55 m | 11,55 m |
| 6 | 11,25 m | 12,50 m | 13,75 m |

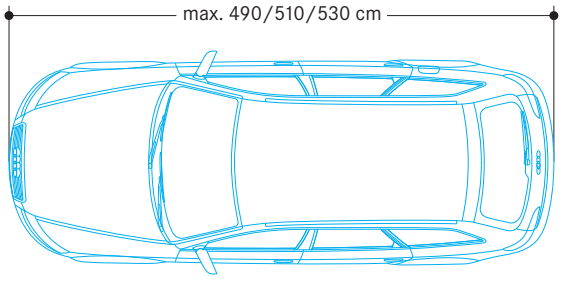
*Car height at the first level 2,00 m

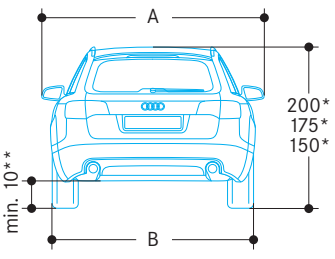
### Crossparker 558 | Ground view




For relocating in a double row arrangement 1 empty space each is required for longitudinal as well as for cross parking.

## Max. car dimensions



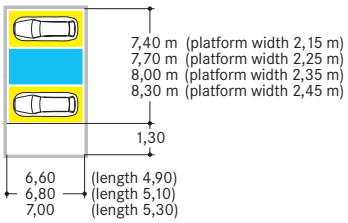

| Platform width | Dimension A | Dimension B |
|---|---|---|
| 215 | 205 | max. 190 |
| 225 | 215 | max. 200 |
| 235 | 225 | max. 210 |
| 245 | 235 | max. 220 |

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

** Clearance underneath the gear case.

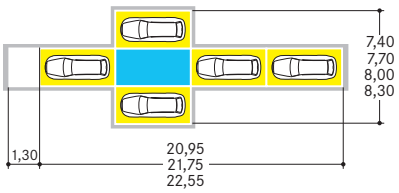
## Examples for arrangements

### Longitudinal 0 | Lateral 1 + 1



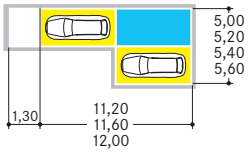

| Levels | No. of parking places |
|---|---|
| 1 | 2 |
| 2 | 4 |
| 3 | 6 |
| 4 | 8 |
| 5 | 10 |
| 6 | 12 |

### Longitudinal 1 + 2 | Lateral 1 + 1



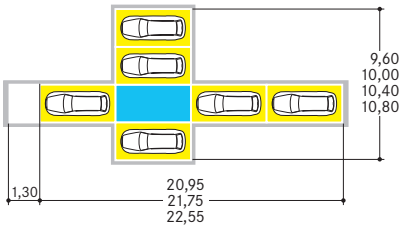

| Levels | No. of parking places |
|---|---|
| – | – |
| 2 | 9 |
| 3 | 14 |
| 4 | 19 |

### Longitudinal 1 + 0 | Lateral 0 + 1



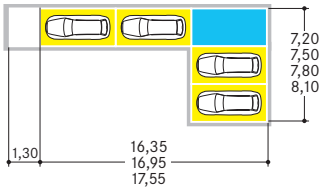

| Levels | No. of parking places |
|---|---|
| 1 | 2 |
| 2 | 4 |
| 3 | 6 |
| 4 | 8 |
| 5 | 10 |
| 6 | 12 |

### Longitudinal 1 + 2 | Lateral 2 + 1



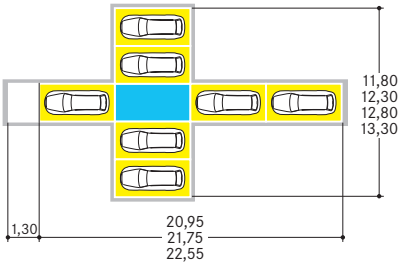

| Levels | No. of parking places |
|---|---|
| – | – |
| 2 | 10 |
| 3 | 16 |
| 4 | 22 |

### Longitudinal 2 + 0 | Lateral 0 + 2



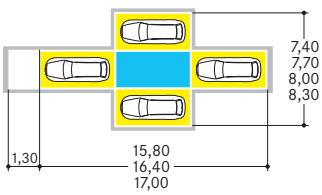

| Levels | No. of parking places |
|---|---|
| – | – |
| 2 | 6 |
| 3 | 10 |
| 4 | 14 |
| 5 | 18 |
| 6 | 22 |

### Longitudinal 1 + 2 | Lateral 2 + 2



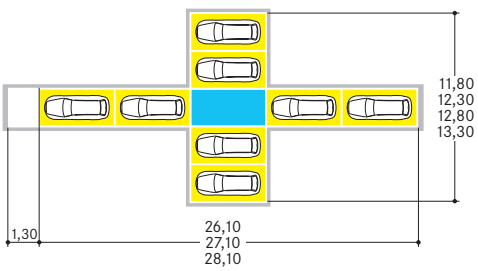

| Levels | No. of parking places |
|---|---|
| 1 | 5 |
| 2 | 12 |
| 3 | 19 |

### Longitudinal 1 + 1 | Lateral 1 + 1




| Levels | No. of parking places |
|---|---|
| 1 | 4 |
| 2 | 8 |
| 3 | 12 |
| 4 | 16 |
| 5 | 20 |

### Longitudinal 2 + 2 | Lateral 2 + 2




| Levels | No. of parking places |
|---|---|
| 1 | 6 |
| 2 | 14 |
| 3 | 22 |

## Electrical data/switch cabinet

1. Main electrical supply 230/400V, 50Hz, 3 phase. Fuse or automatic circuitbreaker 3 x 40 A slow blow (acc. to DIN VDE 0100 p. 430).
2. In compliance with the DIN EN 60204 standard provisions, all systems must be connected directly on site with an earthed equipotential bonding. The lead-out connection must be at a 10 m distance!
3. For a remote maintenance (option) an internet connection to the switch cabinet is required.
4. Inside the maintenance shaft the space for the switch cabinet of 150 x 130 x 220 cm must be provided.
5. The control is designed to operate between +5° and +40°C. Atmospheric Humidity: 50% at +40°C. If the local circumstances differ from the above please contact Wöhr (if necessary, the switch cabinet has to be provided with a heating).

## Grounding and potential equalisation

Customer has to provide a connecting outlet for grounding next to the control cabinet, because the Potential Equalisation Rail (PER) in the control cabinet has to be connected by a preferably short cable with the grounding outlet. In the area of the steel structure the customer has to provide at least every 10 to 20 meters (or in distances as required by the local lightning protection regulation) grounding outlets, because the total steel structure has to be connected with the grounding outlets by preferably short cables.

## Operating device

1. Stand with an operating device for user guidance and multifunction button. Or alternatively to be attached to the building.
2. Arrangement left or right of the entrance.
3 The edge of the entrance must be visible over the full length. Distance to the edge of the entrance max. 5 m/min. 1 m.

## Operation

1. Control with a hold-to-run device for lifting and lowering the lid.
2. After the lid is completely lowered, the system runs automatically.
3. The parking place will be activated with a transponder. (Remote control is not possible.)
4. As long as the lid is not in a locked end position mechanical entrance- and exit blockers are activated.
5. Car monitoring (option): height, length and width as well as the position of the car could be checked with light barriers.
6. It is possible to integrate a traffic light or a barrier for the entrance or exit (option).

## Noise protection

Basis: »Sound insulation in buildings«, for technical facilities in buildings must be provided with adequate protection against air-borne and solid-borne sound. If the sound pressure level should not exceed 30 dB (A) in living- and sleeping-rooms at night, the following building requirements must be available:

Insulation against air-borne sound
The building unit must have a sound reduction index of at least R'w 57 dB (A).

Insulation against solid-borne sound
WÖHR offers additional measures for a reduction of solid-borne sound (please ask for optional quotation from WÖHR). We recommend consultation between a sound expert and WÖHR to discuss further possible steps for reduction of the solid-borne sound.

## Conformity test

All our systems are checked according to EC machinery directive 2006/42/EC and EN 14010.

## Temperature

The installation is designed to operate between +5°and +40°C. Atmospheric Humidity: 50% at +40°C. If the local circumstances differ from the above please contact Wöhr.

## Drainage (to be performed by the customer)

We recommend providing gutter in the pit centre and connecting the gutter either to a gully or a drainage pit. If the pump sump is not accessible for manual drainage, the client must provide a pump on site to empty the pump sump. To prevent hazards for the ground water, we recommend giving the pit floor an oil-resistant coating as a means of protecting the environment. If this is to be connected to the sewage system, it is advisable to provide oil and/or petrol seperators.

## Ventilation (to be performed by the customer)

It is necessary to have a ventilation in the pit to evaporate condense and rain water from the cars.

## Lighting (to be performed by the customer)

In the transfer area at least 500 lux, see EN 1837:1999.
In the system area at least 50 lux, see EN 81-1:1998.

## Fire protection (to be performed by the customer)

Preventive fire protection measures should be discussed between the architect and the building authority and/or the preventive fire protection authority.

## Maintenance Shaft

A maintenance shaft is required. Access to all levels must be given through stairs or a ladder.

## Shaft covering

1. The ground level lid is a welded construction (manufactured acc. to EN ISO 13920 with the tolerance class C). Finishes are available at the customers request, for example sand bedding/pavement slabs, sand bedding/pebbles, topsoil/lawn a.s.o. Please contact Wöhr for details of maximum allowed loadings.
2. When lowered, the lid is even to floor level and can be driven over by cars (max. weight 2600 kg, wheel load max. 650 kg).
3. The motor will be covered with a stud plate. This plate is visible.
4. Within the area where the vertical lift moves, no doors, windows or other openings are possible at the building at a height of min. 3,0 m and a length of min. 7,0 m.

   If openings, doors or windows are there, than they must be closed permanently and secured against opening.

   If doors are required at this area, the doors must be locked by an electro-mechanical locking device and this locking must be integrated into the control of the parking system.

   The parking system will only work, if the door is closed and locked. The door maybe opened only if the lid is completely lowered.

## Statics and construction

The steel structure serves as a frame-work for the lift system and the pallets. The steel structure is fastened to the floor with metal splaydowels and shored-up sidewise against the external walls. This requires a concrete quality of C25/30. Information with regard to the statics in question can be obtained from WÖHR.

## Dimensions

All dimensions shown are minimum. Construction tolerances must be taken into consideration. All dimensions in cm.

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