

WÖHR PARKLIFT 403 S

Specification

- General:** Car parking system for independent parking of three cars above each other. For dimensions please see data sheet [Parklift 403](#) with its dimensions for pit, height and width.
This car parking system has one upper platform which can be driven on horizontally and one middle and one lower platform, both inclined (approx. 9°), each for one car. All platforms have two front wedges for the correct positioning of the car. Guided by the operating instruction the user has to adjust the front wedges to his car. Operation according to the "hold-to-run" device (control device which automatically returns to the "off" position after release) with identical keys, two per parking space. The operating device is usually located at the front side of columns or outside at the door panel. An operating instruction is clearly visible and permanently fixed above each operating device.
- Design and description:** The Parklift consists of two pillars mounted on the floor in the middle on the left and right side of the system. Upper, middle and lower platforms are mounted rotating within two hoisting slides which move the platforms along the pillars. Gear racks are mounted on the pillars to ensure the mechanically synchron run by one pinion on each side and a torsion bar hidden under the lower platform. Two hydraulic cylinders are mounted upon the hoisting slides. Two tension bars additionally connect the platforms.
- Components:** Three platforms consisting of:
33 driving plates, six adjustable front wedges, six side panels, three 1 U-shaped cross bars and three 2 U-shaped cross bars, screws, nuts etc.
Synchronizing device:
Two gear racks, through torsion bar with two pinions, fixing material etc.
Supporting structure consisting of:
Two pillars with hoisting slide, bracings to the pit edge, four connecting straps between the platforms, dowels, screws, etc. – railings, if required, mounted at the supporting structure.
Hydraulic components:
Two hydraulic cylinders, 1 magnetic valve, in their safety circuit hydraulic pipes with specially moulded tube ends, hydraulic pipes, screwings, high pressure hoses and fixing material.
Electric parts:
Operating device with Emergency Stop button and key-lock.
- Standards:** WÖHR Car Parking Systems are machines according to the Council Guideline governing machinery 2006/42/EC, Annex 1 and EN 14010.
- Corrosion protection:** For details please see enclosed information [Surface protection 2011](#), No. 023-0021.
- Hydraulic power pack:** One hydraulic power pack can drive several Parklifts provided that they are arranged side by side (e.g. underground car park). Each Parklift is controlled individually at its operating device. The electric motor with pump is mounted rubber-bonded-to-metal. The hydraulic power pack consists of an oil tank with appropriate filling for the entire system, gear pump, electric motor (5.5 kW, 230/400 V, 50 Hz), switch box with motor contactor and thermal relay already wired for connection, pressure relief valve and two hydraulic hoses reducing the noise transmission to hydraulic pipes.
- Provided by customer:**
1. Electric work according to enclosed data sheet [Parklift 403](#) (supply lines with lockable main switch to hydraulic power packs)
 2. Acceptance by authorised inspector, if required together with a fitter, if not included in offer
 3. Additional corrosion protection, if required by architect/customer Railings and safety fences according to EN ISO 13857 concerning the building structure
 4. Because of their weight pillars, bracings, side panels and main cross bars have to be mounted before covering the ceiling. The customer has to provide a crane free of charge (hook clearance min. 7 m above ceiling – with ceiling openings for a maximum weight of 1,200 kg).
 5. Marking at pit edge, 10 cm wide and yellow-black according to ISO 3864, if required
 6. Drainage of pits, if required by customer
 7. Concrete quality according to the static requirements of the building, but for the dowel fastening we require a concrete quality of min. C20/25

Enclosure: [Surface protection 2011](#), Nr. C023-0021.

The manufacturer reserves the right to modify or alter above specifications.

OTTO WÖHR GMBH
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