

WÖHR PARKLIFT 430 S

Specification

- General:** Car parking system for independent parking of two cars above each other. For dimensions please see data sheet [Parklift 430](#) with its dimensions for pit, height and width. The platforms can be adjusted (upper platform: horizontal to +8° slope, lower platform: horizontal to -8° slope). The upper platform has two front and two rear wedges for the correct positioning of the car, the lower platform has only two front wedges. Guided by the operating instruction the user has to adjust the front wedge 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. Pillars with hydraulic cylinders, bearings and guideways for upper and lower platform, gear racks for the synchronizing device. Also two pillars mounted on the floor in the rear. Pressure prop between upper and lower platform. Thus an area free of construction parts is created between the pillars and hydraulic cylinders, enabling the driver to open his door up to the side walls or railings. A torsion bar is hidden under the lower platform with gearwheels at its ends. These gearwheels move into the gear racks, thus ensuring the mechanically synchron run. The rear section of the Parklift is raised by lifting chains. Upper and lower platform are connected with hinges. An automatic hydraulic lowering block prevents unintentional lowering. Hydraulic and electric lines are laid inside the system (not on walls or floors – risk of corrosion).
- Components:**
- Two platforms consisting of:
22 driving plates, six adjustable front wedges, four side panels and four cross bars, screws, nuts etc.
- Synchronizing device:
Two gear racks, one through torsion bar with two gearwheels, two lift chains, four pinions, fixing material etc.
- Supporting structure consisting of:
Two pillars with bearings and guideways, two pillars in the rear, bracings to the front wall of the pit, dowels, screws etc. – railings, if required, mounted to the side panels.
- Hydraulic components:
Two hydraulic cylinders, magnetic valve, 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 Standard 2007](#), No. 023-0013.
- 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 (1.5 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 430](#) (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
 4. Railings and safety fences according to EN ISO 13857 concerning the building structure
 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 Standard 2007](#), Nr. C023-0013.

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

OTTO WÖHR GMBH
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