

# WÖHR PARKLIFT 413 S

## Specification

- General:** Car parking system for independent parking of three cars above each other. For dimensions please see data sheet [Parklift 413](#) with its dimensions for pit, height and width.  
This car parking system has three horizontal platforms, each for one car. All platforms have a front wedge for the correct positioning of the car. 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, upper, middle and lower platforms and two hoisting slides moving the platforms along the pillars. Gear racks are mounted on the pillars to ensure the mechanical synchron run by one pinion on each side and two torsion bars hidden under the middle and 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, three adjustable front wedges, six side panels, three 2 U-shaped cross bars and three 1 U-shaped cross bars, screws, nuts etc.  
  
Synchronizing device:  
Two gear racks, two through torsion bars with four pinions, fixing material etc.  
  
Supporting structure consisting of:  
Two pillars with hoisting slides, bracings to the pit floor and to the pit edge, two connecting straps mounted at the platforms, dowels, screws etc.  
  
Hydraulic components:  
Two hydraulic cylinders, 1 magnetic valve, in their safety circuit hydraulic pipes with specially moulded tube ends, hydraulic pipes, screwings 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 2014](#), No. 023-0024.
- 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 a hydraulic hoseX reducing the noise transmission to hydraulic pipes.
- Provided by customer:**
1. Electric work according to enclosed data sheet [Parklift 413](#) (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 2014](#), Nr. C023-0024.

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

OTTO WÖHR GMBH  
Article No. C026-0048  
As in 03.2014