

Specification

- General:** Car parking system for independent parking of two cars above each other. For dimensions please see data sheet PARKLIFT 340 with its dimensions for pit, height and width.
This car parking system has two inclined platforms (upper platform approx. 5°, lower platform approx. 7,5°), each for one car. 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 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 fixed on the floor in the rear on the right and left side of the system, one upper and one lower platform and a pair of handlebars mounted at the pillars to operate the tilting motion of the system. A tube connecting the upper left and right handlebar ensures the mechanically synchron run. Another torsion tube to support the synchron run is located at the pit edge.
Two hydraulic cylinders mounted on the upper platform, lift and lower the platforms. A platform connection is fixed onto the upper platform in the rear. The lower platform is mounted rotating within it. (In the entry position a higher platform distance can be reached compared to the lower position.) The lower platform is secured by two tension ropes mounted at the cylinders on the upper platform.
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:
21 driving plates, four adjustable front wedges, two adjustable rear wedges for upper platform, bevelled ramp upper platform (railings on upper and lower platform to secure gaps if required), four side panels, cross bars, platform connections, screws, nuts etc.
Supporting structure consisting of:
Two pillars, two handlebars, one torsion tube with handlebar, dowels, screws etc.
Synchronizing device:
One torsion tube between pillar and one torsion tube at pit edge
Hydraulic components:
Two hydraulic cylinders, one 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 2017, No. 023-0028.
- 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 340 (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 2017, Nr. C023-0028.

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