

Lifting platform 740



The PowerLift 740 is a modern fully hydraulic scissor lifting platform, designed for the loading and unloading of vehicles. The modular concept of the lifting platform ensures that a comprehensive range of sizes and lifting capacities are available, resulting in a PowerLift 740 for nearly all situations.

Materials

The PowerLift's platform is an integral part of the upper frame and is made from high-quality durbar plate (Fe 360B) with a thickness of 8 or 10 mm, depending on the lifting capacity. The PowerLift is constructed so that wheel loads on the platform do not result in deformation of the platform.

The PowerLift 740 scissor arms are manufactured by means of a plasma arc cutter, in order to obtain a precise and high-quality finish.

The steel lower frame is provided with four supporting legs in each corner to ensure stability in the lowest position.

The complete unit is coated with a primer and finished with a one component structure lacquer in RAL 3002 (carmine red).

The PowerLift 740 is provided with an aluminium front safety edge. All electrical components have been constructed in accordance with protection class IP 54.

Operation

The PowerLift 740 is easy to operate by means of the standard two-button manual operation set which includes a key switch.

A continuous pressure on the 'raise' button results in an upward movement of the lifting platform.

After completion of the loading process / unloading process, a continuous pressure on the 'lower' button is sufficient to ensure that the PowerLift will return to the home position.

Dimensions

The PowerLift 740 can be adjusted to each client specific situation. The standard models are available in a comprehensive range of platform dimensions.

Dimensions (measurements in mm)			
Length	Width	Construction height*	Height of the stroke
2000	1600	280 / 350 / 410	1300
2000	2000	280 / 350 / 410	1300
2500	1600	350 / 410	1590
2500	2000	350 / 410	1590
2500	2400	350 / 410	1590
3000	2000	350 / 410	1590
3000	2400	350 / 410	1590

* Construction height depends on carrying capacity

Drive

The platform is hydraulically driven. The hydraulic system is fully closed and will not be affected by dirt, sand or dust, even under the most extreme circumstances.

The hydraulic system includes a pressure relief valve and a non-return valve. The power unit is positioned onto the lower frame of the PowerLift, as a result of which the power unit is free from vibrations and protected from external damage.

The platform is driven by means of two high-quality piston cylinders with hard-chromium plated piston rods. Each cylinder is provided with a hose rupture protection, which immediately halts lift table movement in the event of a hose rupture or pipe rupture.

All of this results in a safe hydraulic system with a long life span and a minimum amount of maintenance.

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Standard safety precautions

- Anti-skid durbar plate platform
- Extendable safety support for service purposes
- Fully provided with front safety devices
- Black /yellow safety markings
- Motor safeguard by means of thermic relay
- Hose rupture valve, integrated in cylinder
- Pressure relief and non-return valve
- Key switch to prevent unauthorised use of the lift table
- Instruction symbols on the lift table
- Safety precautions dependant on built-in situation:
 - Handrails; fixed or removable; on platform and eventually on warehouse floor
 - Goal post barrier
 - Gates, electrically and mechanically interlocked
 - Horizontal or vertical lip

Standard

The PowerLift 740 fully complies with all safety requirements as stipulated in EN 1570-1:2011. The PowerLift is therefore accompanied by an EC Declaration of Conformity as well as a CE-marking.

Technical specifications

Standards..... EN 1570-1:2011 and UVV-VBG 14
 Capacity.....20 up to 60 kN
 Construction height..... 280 / 350 / 410 mm
 Height of stroke..... 1300 / 1590 mm
 Lift rate 25 / 34 / 38 sec
 Connection value.....3 N 415 V
 Motor capacity..... 2.9 / 4.4 kW
 Control voltage..... 24 V DC
 Protection class..... IP 54
 Hydraulic oil.....biologically decomposable, synth.
 Standard colour (carmine red) RAL 3002

Options

- Horizontal lip, manually or hydraulically operated
- Vertical lip, manually operated
- Front roller screens
- Roll-off guard
- Platform locking system - into concrete
- Platform enlargement upon request
- Tilt protection
- Reinforced platform
- Oil tank mounted 'in-frame'
- Self supporting lower frame
- Handrails; fixed or removable
- Interlock switch for removable handrails
- Emergency lowering valve on platform
- Gates, electrically and mechanically interlocked
- Goal post barrier
- Intermediate stop circuit
- End height control (+/- 20 mm)
- Safety contact frame below the platform
- Protection class IP 65
- Extra manual control set
- Integrated control panel
- Foot operated emergency stop switch, countersunk into the platform and loose emergency stop button
- Variable lowering rate
- Increased lowering and lifting rate
- Hydraulic end shock absorbing at lower range
- Constant running unit
- Remote power unit
- Partial or full hot-dip galvanised special colour
- RAL-colour, to be selected

Installation possibilities (built-in)

The modular concept of the PowerLift ensures a high degree of flexibility. As such a wide range of built-in possibilities are available. Furthermore, the comprehensive range of available options ensure that nearly all client specific demands can be met.

When correctly selected, considerable savings on the manufacturing costs can be made. Detailed installation drawings are available, upon request.