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PowerLift

The PowerLift has been designed to facilitate the loading and unloading of goods. Alternative applications possibilities such as manual handling tables and goods lifts are available however they are not included in the description below.

The PowerLift is particularly suitable for level loading applications, the loading/unloading of fixed bed double deck trailers and also smaller vehicles with low bed heights.

Depending on the required application the PowerLift can be pit mounted or surface mounted onto a suitable level concrete yard surface thus avoiding the need for expensive enabling works. The machine can be mounted internally within a building, externally in front of the loading dock face or alternatively externally within a fabricated modular loading pod.

The PowerLift complies with all aspects of EN 1570.



Construction

The PowerLift is designed to accommodate point loads imposed as a result of MHE being used during the loading / unloading process on the understanding that the total weight does not exceed the specified lift table capacity and the wheel loads do not exceed 1/3 of the specified lift table capacity.

The platform top is constructed from anti skid durbar plate as standard and a service hatch in order to ensure accessibility of the power unit which is normally located underneath the lift table.

The PowerLift is provided with maintenance free sleeve bearings, fitted with a hard and wear resistant synthetic coating as standard.

On all four sides of the machine, safety contact profiles are fitted to the underside of the frame to immediately stop the lowering movement if touched or contacted.



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The PowerLift is supplied with all necessary additional safety features to ensure safe and efficient operation: Additional features available include:

- Handrails – fixed and removable
- Bi parting and single platform and landing mounted gates
- Goal post barriers
- Roller blind protection to the underside of platform to prevent unauthorised access below machine
- Rising wheel stops

Safety is of paramount importance and as such we would strongly recommend that a detailed site survey and full risk assessment is carried out by Easilift prior to the submission of a detailed quotation.

PowerLift standard specification

- CE-marking
- In accordance with EN 1570 and VBG 14
- Anti-skid durbar plate - platform
- Supporting legs in each corner to ensure stability in the lowest position
- Service hatch in the platform
- Extendable safety supports for service purposes
- Maintenance-free sleeve bearings
- Fully closed hydraulic power unit, fitted into the lower frame and provided with a pressure relief valve and non-return valve
- Motor 400 V, 3 phases, 50 Hz with protection class IP 54
- Duty cycle of hydraulic power unit, ED = 10 %
- Overheating of motor is protected by thermal relay
- Regulation valve for a constant lowering speed
- Fully provided with front safety devices underneath the platform
- 2 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
- Control voltage 24 V AC as of 3 kW (lower capacity: control voltage 230 V AC)
- Variable, adjustable end switch to reach upper level
- All electric components are in accordance with protection class IP 54
- Manual operation set UP – DOWN including a key switch on 3 m cable - dead man control
- Biologically decomposable, synthetic oil, may be mixed with other types of hydraulic oil
- Standard colour RAL 3002
- 4 crane hooks and 4 stroke anchors for transportation and installation

