POWERLIFT
HYDRAULIC PLATFORMS BY ŞAHLAN

Vertical Dock Leveller

> POWERLIFT

MADE IN TÜRKİYE, FOR THE WORLD

Powerlift is a brand of Sahlan Machinery which is 100% Turkish company, a pio-neer in the hydraulic machinery since 1972.

The company is based in self-owned premises in Denizli, in the Eagean Region. POWERLIFT relies on a flexible production structure installed in an area of 10000 square meters.

POWERLIFT develops, projects and manufac-tures, using its own technology, equipment for the transportation of cargo and people, either placed on vehicles or stationary, with a great em-phasis on hydroelectric activation.

Apart from developing equipment using state-of-the-art technology, Powerlift's main objective is to find solutions for your loading and unloading needs.

We listen to your requirements, and based on our wide experience, identify the practical solutions to allow you to solve your operational problems with a high degree of satisfaction.

We are the only Turkish company that offers a wide range of equipment which will provide the best solution for your needs. We believe that to show our differentials we must do our best and offer these differentials to our customers, allowing them to make their best choice.

So that all this may become reality, we depend on a team of projects and engineering with wide experience and competence, and on the latest state-of-the-art equipment.

We test exclusively all our equipment so that our customers may have, after taking everything into account, the best cost/benefit ratio and that they can be sure of safe and smooth operations.

> Obtain greater speed, safety and cost reduction during your operations when using our Vertical Dock Leveller

The Powerlift Leveller were developed to be used in docks for loading and unloading, acting as a bridge between the concrete dock and the floor of the body of the vehicle, and oscillating in order to compen-sate for the variation in height of the floor of the body of the vehicle. This allows the access of pallet trucks, forklift trucks and others, in order to obtain greater speed and safety during the process of loading and unloading.

> Advantages

- Optimizes the workforce;
- Increases the speed of loading and unloading without compromising safety.

> Important

You may depend on our Engineering and Commercial De-partments to guide you when making the choice of the best solution for your loading and unloading problems.

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Vertical Dock Leveller

> Hydraulic Vertical Type

This model is for frontal installation on the dock, either fixed with screws with metal plugs or soldered on with clamps. It is widely used in sites in which the concrete dock has already been installed, therefore avoiding additional work in preparing the recess.
Activation is with a hydraulic cylinder for elevation/tilting with a hydraulic unit and a low consumption electric motor, and which is button operated. It is usually installed in the external part of the building, and therefore avoids occupying any useful covered areas during the operation.
It is ideal for combustion forklift trucks, pallet trucks (mechanical and electric) and hand carts.



Models	Traffic Cargo Capacity [kg]	Cargo Capacity per Axle (Leaning on) [kg]	Length of Plate [mm]	Width of Plate [mm]
VH-6000	6000	3000	2000 / 2500 / 3000	2000
VH-9000	9000	4500	2000 / 2500 / 3000	2000
VH-12000	12000	6000	2000 / 2500 / 3000	2000

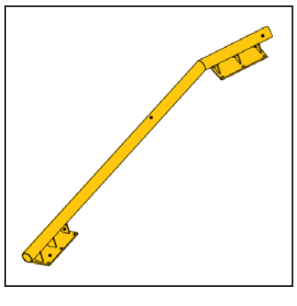
> Accessories and Optionals

In order to obtain more details, please contact our sales team.

Lamp for the dock, with an articulated arm and

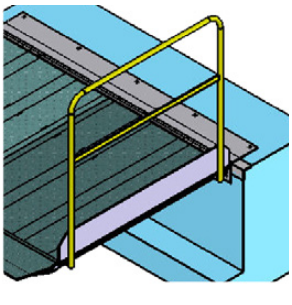
Wheel Blocks

Operational Sound Alarm



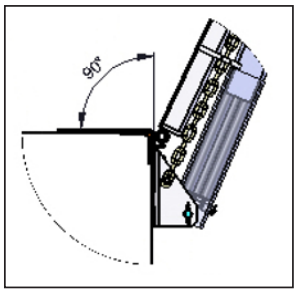
Wheel Guide for Positioning

A side skirting-board for the plate, with a height of 150mm



A frame protector with a height of 1200mm

Button Control (patented product)



Anti-shock Limiter Device (patented product)

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Vertical Dock Leveller

> Technical Specifications for Special Production of KSA on 06.03.2024

1 The loading ramp (leveler) should provide its movement as a result of the motor, pump and hydraulic piston being controlled by the electrical control unit, and by adjusting the level difference between the loading / unloading place and the loading / unloading vehicle, forklift, pallet truck, etc. It should ensure that the loading and unloading process carried out by transport vehicles is carried out quickly, safely and efficiently.

2 Maximum carrying capacity should be 15000 kg.

3 Platform material should be high quality steel, patterned sheet metal.

4 The platform should be able to be mounted on the steel construction edge of the factory loading area without the need for a pit detail. In cases where there is no steel construction, it should also be able to be mounted on the edge of the concrete floor with an optional blind frame.

5 When the platform is in the parking position, the end of the platform should be vertical with the tip facing up (or optionally facing down).

6 The minimum landing distance of the platform should be -361 mm. 1.7. It must have an electro hydraulic unit with maximum pressure valve in accordance with EN 1398.

7 In accordance with EN 1398, the platform height should be automatically adjustable with the button on the control unit.

8 The movement to the platform should be transmitted by means of hydraulic piston.

9 The electro-hydraulic unit must be inside the enclosure box. It must be protected from adverse weather conditions and unauthorized interventions.

10 Operating temperature should be between -20 °C / +50 °C

11 There should be a warning light on the control unit indicating the energy going to the selenoid.

12 Installation and maintenance manual should be provided with the product

13 Motor Voltage 230/400 V, 50 Hz, power more than 0.75 kW.

14 The protection class of the control unit must be IP55 according to EN 60529.

15 There must be a rotary emergency on-off button on the control unit.