TECHNOLOGY THAT ENHANCES marksell®

Mobile Loading Dock MKS 5500 MLD

For customers that do not have a dock or only a very low dock, the Mobile Loading Dock MKS 5500 MLD is the perfect equipment for their operational needs!

MKS 5500 MLD

+55 11 4772 1100 | www.marksell.com.br

> MKS Marksell

MADE IN BRAZIL, FOR THE WORLD

MKS Marksell is a 100% Brazilian company, a pioneer and leader in the specialised area of transportation of cargo and people since 1983.

The company is based in self-owned premises in Itapevi, in the Greater São Paulo region. MKS Marksell relies on a flexible production structure installed in an area of 12000 square meters.

MKS Marksell develops, projects and manufactures, using its own technology, equipment for the transportation of cargo and people, either placed on vehicles or stationary, with a great emphasis on hydroelectric activation.

Apart from developing equipment using state-of-the-art technology, MKS Marksell'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 Brazilian 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.

Performance of MKS Marksell around the World

MKS Marksell is based in São Paulo – Brazil, but the company is present in many countries around the world, especially in Latin America, Europe and Africa.

> Marksell offers you a practical, safe and accessible solution to your loading and unloading operations!

The MKS DMC 2500 Lifting Platform Mobile was developed for stationary use in yards and warehouses, it is manually moved, used for loading and unloading the rear or sides of vehicles, trucks, semi-trailers, or used as an elevator to surpass obstacles.

> Advantages

- Optimizes the workforce;
- Increases the speed in loading and unloading without putting safety at risk;
- It is not necessary to have a dock;
- The equipment can be easily operated and moved.

TECHNOLOGY THAT ENHANCES marksell®

Mobile Loading Dock MKS 5500 MLD

> Technical Characteristics

Application: Developed for stationary applications in yards and sheds, it can be manually moved for loading and unloading at the rear or sides of the vehicles, trucks, semi-trailers, or used as an elevator to overcome obstacles.

Cargo capacity: 5510 lb, distributed

Maximum height of operation: 66.92" — provides clearance for container trucks

Speed of operation: operating time of 30 seconds for the elevating cycle

Activation: With a hydroelectric motor pump connected to the electrical installations of the area, a hydraulic gear pump, an electric motor of 3CV, 200VAC three-phase, and a system for saving electricity (the electric motor is only activated during the operational cycle).

Functioning: With two cylinders for elevating and manual tilting of the ramp and the bridge. There are two manual levellers for braking and levelling of the equipment. It can be moved manually with no cargo, there are two rotating casters and two fixed wheels, coated with polyurethane.

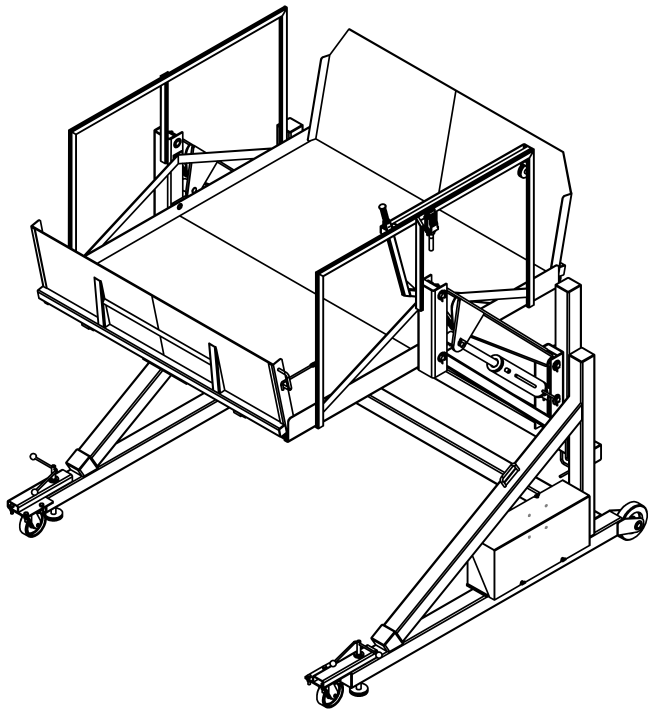
Hydraulic System:

• An electrically activated hydraulic command effected with a fixed button control next to the protection frame of the plate, including a safety valve which avoids overloading the equipment;

• A reservoir and motor-pump set fixed on to the general support of the equipment;
• A reservoir of hydraulic oil installed with a level visor, suction filter and vent;
• Hoses for high pressure;
• Single-acting Hydraulic Cylinders with rectified rods covered in hard chrome and in cases of seamless, polished, stretched tubes;
• Tubing in stretched steel tubes, seamless and polished.

Construction Details:

• Structures in highly resistant steel plates, and stretched tubes welded using the MIG process;
• Articulations with gaskets in synthetic material, and with points of lubrication;
• Finishing paintwork in black – MKS standard, Please contact us if other colours are required.



Electrical System: A magnetic switch with thermal relay for turning on and protecting the electric motor from overloads.
Speed of operation: Operating time of 30 seconds for the elevating cycle (in agreement with international standards).

Installation System: A simple connection to an electrical socket (220V- three-phase) with a feeding cable of 4x1,5mm2, for distances of up to 50m (supply is optional).

Own Weight: 850kg.

Measurements for Transport: It has a nominal width of 1875mm, length of 2700mm and a height of 1750mm, which allows transportation on conventional trucks.

Other Accessories:

• Other electric voltages for feeding the electric motor;
• Devices for locking the handcarts/ pallets/ cargo on the plate;
• Hydraulic tilting of the bridge;
• Automatic/mechanical tilting of the bridge;
• Plate with special measurements;
• Remote control command with cable;
• Straps with ratchets, for securing the cargo;
• Bridge or ramp with special measurements;
• Electric cable for feeding.

> MKS Marksell Exclusivity

MKS Marksell develops equipment, devices and exclusive systems in order to allow you to obtain the best performance, as well as thinking about your safety. Check these following instances:

• Patented MKS 200PEG equipment, developed together with Ultragas, with the objective of carrying out the loading and unloading of Gas Bottle Distribution.

• Patented anti-shock devices for frontal levellers that have the purpose of protecting your equipment and making it long-lasting.

• BTS System, Built to Suit Dock Levellers, developed with the objective of reducing in up to 50% your initial investment in dock levellers.

• The new MKS Marksell Button Control has extra low voltage, an alert visor diagnosing any problems with the equipment, and conforms to all the demands of regulation *NR10* and *CE* from now on. All models of MKS Marksell Hydraulic Dock Levellers will have as a differential button controls which are in accordance with the standards laid down by nr10 (*Regulatory Norm 10 – Safety in Electrical Installations and Services*) and ce. you will benefit from a smart service with a touch membrane, a smart service warning any failures, and a preventive maintenance timer.

• The ADPLAT product, designed for tail lifts – It is our understanding that because MKS Marksell customers are always focused on the logistics of their operations, they lack a space dedicated to communicating with the market in general. As a result, MKS Marksell, together with New View Media, has created a strategic area on the MKS Marksell tail lifts, to enable you to communicate with the public, within a standard space, and which can be easily substituted.

Telephone: +55 11 4772 1100
Site: www.marksell.com.br
Email: mks@marksell.com.br

MKS Equipamentos Hidráulicos Ltda
Rua João Dias Ribeiro, 409
Pólo Industrial de Jandira - Itapevi.
CEP 06693-810 - Itapevi - SP - Brazil

Head Office
Av. Cauaxi, 293, Ed. Alpha Green Business Tower, Sala 2902
Alphaville - SP, Brazil
+55 11 4772-1100