

Dock house



The Loading Systems modular dock house is an economic attractive alternative to traditional dock leveller pit systems and is ideal to extend existing warehouses.

Advantages

- Suitable for new and existing buildings;
- The modular dock house is economic attractive compared to traditional pit systems regarding investment, tax advantages etc.;
- The area inside the warehouse can be used more efficiently and economically (a m² inside the warehouse is more costly than outside);
- A minimum of structural provisions is needed and therefore the dock house is ideal to extend existing warehouses and to install at rented buildings;
- The dock house is easy to move with your business;
- Trucks can stay docked with a closed sectional overhead door;
- Energy saving: the building is easier to close and more efficient to heat because there is no cold bridge caused by a traditional pit with leveller;
- Short installation time by quick couplings with bolts;
- The new easy cladding system decreases even more the installation time;
- Comply to the standards NEN-EN 1090-1:2009/A1:2011 and NEN-ISO 3834-4.

Application

The Loading Systems dock house is an economically and fiscally attractive alternative to conventional built-in dock levellers and generates also energy savings.

The modular concept is suitable for any specific customer situation:

- dock leveller with hinged or telescopic lip
- curtain or inflatable dock shelter
- stepped frames
- ISO dock solution

- linked together in a row
- saw tooth arrangement

Dock house

With the installation of a dock house in front of the building, the floor space in the building is fully available and the door opening is closed better in terms of thermics and HACCP standards.



Stepped frame dock house

With stepped frames the doors of the trailers can be opened after docking to prevent theft. This also makes it possible to dock trailers or containers at night. Furthermore, for cold storage with refrigerator vehicles or fresh food processing environments where food contamination is a concern, it is important that vehicle doors are only opened after the vehicle is actually docked.



ISO dock house

The ISO dock leveller along with the in front of the leveller closing sectional overhead door, preferably in combination with the stepped frame, is particularly suitable for cold stores. This combination ensures optimal insulation.



Linked dock house

For technical and economic reasons, dock houses can be linked together.



Saw tooth arrangement

Depending on the available field space, dock houses can be installed at an angle.



Design

The dock house is built from a HE-A support frame with adjustable feet to level the dock house quick and easy (range +75/-75 mm).

Both side platforms are made from durbar plate 6/8 and precision laser cut sheet metal parts. Integrated mounting brackets for the dock leveller make installation even easier.

Dock house

The platforms are bolted to the mounted support frame and are provided with mounting points for the optional steel construction kit.

The steel construction kit consists of tubular and cold-rolled U-profiles which are connected together with a snap-fit coupling and fixed by bolts.

Optional the steel construction can be clad with single skin or 40 mm insulated wall and roof panels.

For an ISO dock house also 80 mm insulated panels are available.



Technical specifications

Standard lengths.....	2080, 2580, 3080 mm
Standard widths.....	3000 till 3500 mm
Platform height.....	950 till 1500 mm
Maximum load.....	100 kN
Standard colour.....	RAL 9005
Drainage.....	standard via front side
Maximum wind force (eurocode 3).....	0,84 kN/m ²
Maximum snow load (eurocode 3).....	2 kN/m ²

Upper construction is provided including CE- and performance declaration.

Observe local building regulations.

Options

- Dock leveller with hinged or telescopic lip
- Curtain or inflatable dock shelter
- Other dimensions or capacity
- Steel upper construction
- Support frame, platforms and / or steel construction kit galvanised
- RAL colour of choice
- Placement under 45, 60, 120 or 135 degrees
- Second support frame at rear side
- Set single skin or insulated wall and roof panels
- Transparent roof panels
- Side walls unto bottom side dock leveller
- Insulated platforms
- Wide variety of dock bumpers
- Wheel guides
- Built-in sectional door

Built-in possibilities

Detailed built-in drawings are available on request.