NovoDock P1300i

Hydraulic dock leveller with swing lip in steel frame

Product characteristics

- Green Solution Product
- up to 70% lower power consumption
- option packs for individual configuration
- robust steel construction
- i-Vision control
- auto button

NovoDock P1300i

The hydraulic dock levellers with swing lip have established themselves among loading systems as the basic version. The NovoDock P 1300i combines a robust steel construction with state-of-the-art control technology, thus making for efficient loading. Thanks to the steel frame, the NovoDock P 1300i can be installed in front of the building and can also be used as a base for a loading bay. For all products with Green^{Plus} all the materials that have been used including the packaging meet current environmental standards and make an important contribution to CO_2 reduction thanks to their extremely low energy consumption.

Structure
The NovoDock P 1300i consists of the following units:
- a self-supporting base frame
- a module with integrated dock leveller
- hydraulic system for moving the platform and the swing lip
- a control system type i-Vision HA

Surface
All steel construction parts are painted in RAL 5010 (gentian blue), RAL 7016 (charcoal grey) or RAL 9005 (black). To ensure an optimal corrosion protection, all steel parts are first sandblasted and then coated with two-component paint that meets the VOC Decopaint standards.

Hydraulic drive
With a low-pressure hydraulic system, the dual stroke cylinders for the platform and the swing lip cylinder are controlled independently.

Control and operation
The dock leveller is operated via the control system type i-Vision HA included as standard. The components of the control system are RoHS-compliant (unleaded).

i-Vision HA

i-Vision HAD (optional)

Safety devices
- Hydraulic emergency stop
- Stopping all movements in case of a power failure
- After a power failure, the control must first be reset.
- Due to the twisting of the platform, it can be ensured that the swing lip is lying flat even in the case of a uneven loading. This prevents steps or tripping hazards from forming.
- Lateral, yellow-black hazard warning markings
- Maintenance strut

Technical data
Nominal load according to EN 1398 ..... 60 kN
Nominal width ..... 1750, 2000, 2250 mm
Swing lip length .....400 mm

Main Deck lengths (mm)	Pit Depths (mm)	Operating Range (mm)	
		Swing lip 400 mm	
		Above Dock	Below Dock
2000	700	290	340
2500 (2440)	700	360	330
3000	700	430	330
3500	800	520	350
4000	900	570	350
4500	900	620	350

The maximum incline permissible according to EN 1398 is 12.5%.

Main Deck widths .....3300, 3500 mm
Work angle to building ..... 90°, 75°, 60°, 45°, 105°, 120°, 135°

Power supply .....3 N~ 400 V/50 Hz/16 A
Protection rating.....IP 65
Motor rating..... max. 0,75 kW

Construction characteristics main deck plate thickness..... 6/8 mm
Swing lip plate thickness..... 12/14 mm

Work needed in preparation for the installation
This depends on the preferred installation method.
Please request our technical data sheets.

Option packs
The following option packs are available for an easy configuration of the dock leveller according to your needs and requirements:

Standard
Green^{Plus} reduction of power consumption and CO_2 consumption

Optional
Door^{Plus} Door and dock leveller integrated in one control panel
Iso^{Plus} Insulation of dock leveller and Twin Sealing Gap
Safety^{Plus} Additional safety through traffic light and electronic safety chock
Warranty^{Plus} Extended warranty period and fast reaction time

For further information, please check the Option Packs data sheet.

Options / Accessories
- Painting in RAL colours at customer's option
- hot-dipped design
- Interlocking of door and dock leveller
- Tapered swing lip for narrow HGV trailers
- fold-down segments
- large selection of steel and rubber impact bumpers
- three-layered gap seals on main deck against draughts
- other dimensions and load bearing capacities upon request
- connection of safety chock with set of traffic lights
- different installation methods (frame types)

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