



NovoDock L 550i

Hydraulic dock leveller with telescopic lip

Product characteristics

- Green Solution Product
- up to 70% lower power consumption
- Option Packs for individual configuration
- robust steel construction
- i-Vision control
- 100 kN dynamic load bearing capacity



NovoDock L 550i

The NovoDock L 550i is especially designed for heavy goods in transit. The hydraulic dock leveller with telescopic lip combines a robust steel construction with state-of-the-art control technology, thus making for efficient loading. For all products with Green^{Plus} packaging, the used materials meet current environmental standards and make an important contribution to CO₂ reduction thanks to their extremely low energy consumption.

Structure

The NovoDock L 550i consists of the following units:

- a self-supporting base frame
- a main deck with integrated telescopic lip
- a hydraulic system for moving the main deck and the telescopic lip mounted on roller bearings
- a control system type i-Vision TA

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 main deck and the swing lip cylinders are controlled independently.

Control and operation

The dock leveller is operated via the control system type i-Vision TA. The components of the control system are RoHS-compliant (unleaded).

i-Vision TA

i-Vision TAD (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 main deck, it can be ensured that the telescopic lip is lying flat even in the case of a single-sided load. This prevents the creation of steps or tripping hazards from forming.
- Lateral, yellow-black hazard warning markers
- Maintenance strut

Technical data

Nominal load according to EN 1398 100 kN
 Nominal widths 2000, 2250, 2400 mm
 Telescopic lip 500 mm

Deck lengths (mm)	Pit depths (mm)	Operating Range (mm)	
		Telescopic lip 500 mm	
		Above Dock	Below Dock
2000	700	300	400
2500	700	300	400
3000	800	370	400
3500	900	450	400
4000	900	450	400
4500	900	450	400

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

Power supply 3 N~ 400 V/50 Hz/16 A
 Protection rating IP 65
 Motor rating max. 1,5 kW

Construction characteristics main deck plate thickness 10/12 mm
 Telescopic lip plate thickness 15/17 mm

Work needed in preparation for the installation

This is dependent on the preferred installation method. Please request our technical data sheets.

Option Packs

The following options are available for an easy configuration of the dock leveller according to your needs and requirements.

Standard

Green^{Plus} Reduction of power consumption and CO₂ consumption

Optional

Door^{Plus} Door and dock leveller controls in one integrated 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 telescopic lip for narrow HGV trailers
- 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 to set of traffic lights
- different installation methods (frame types)