



Flush joint between main deck and lip when fully extended

NovoDock L 500i

Hydraulic dock leveller with telescopic lip and Ergo^{Plus} Package

Product characteristics

- Green Solution Product
- up to 70 % lower power consumption
- option packs for individual configuration
- robust steel construction
- i-Vision control
- Safe in operation and user friendly
- Lower costs for transport equipment
- Smooth passage of goods during loading operation



NovoDock L 500i

The NovoDock L 500i combines the advantages of different systems. The hydraulic dock leveller with telescopic lip combines robust steel construction with state-of-the-art control technology, thus making for efficient loading. The main advantage with similar products is the standard Ergo^{Plus} package, which provides safe user friendly operation, lower costs for transport equipment and smooth passage of goods during loading operation. For all products with Green^{Plus} packaging, the materials used meet current environmental standards and make an important contribution to CO₂ reduction thanks to their extremely low energy consumption.

Structure

The NovoDock L 500i consists of the following units:

- a self-supporting base frame
- a main deck with integrated telescopic lip mounted on roller bearings
- hydraulic system to operate the platform and the telescopic lip
- 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 platform and the swing lip cylinder are controlled independently.

Control and operation

The dock leveller is operated via the control system type i-Vision TA included as standard. 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 platform, it is also 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 markers
- Maintenance strut

Technical data

Nominal load according to EN 1398 60 kN
 Nominal width 2000, 2250, 2400 mm
 Telescopic lip lengths 500/1000 mm

Deck lengths (mm)	Pit Depths (mm)	Operational Range (mm)			
		Telescopic lip 500		Telescopic lip 1000	
		Above Dock	Below Dock	Above Dock	Below Dock
2000	600	310	290	380	330
	700	340	380	430	440
2500	600	420	250	490	270
	700	430	350	500	390
3000	600	360	220	420	240
	800	460	400	550	440
3500	900	480	400	540	420
4000	900	520	420	570	460
4500	900	550	370	600	380

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 8/10 mm
 telescopic 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 CO₂ consumption
 Ergo^{Plus} protects your health and goods in transit; reduces costs

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
- 1000 mm telescopic lip
- Tapered telescopic lip for narrow HGV trailers
- Retracting segments (Ergo^{Plus} package not necessary)
- large selection of steel and rubber impact bumpers
- three-layered gap seals on main deck against draughts
- Screen curtain below the telescopic lip
- other dimensions and load bearing capacities upon request
- connection of safety chock with set of traffic lights
- different installation methods (frame types)