



GreenPlus



IsoPlus



SafetyPlus



Nominal load



L350i

HYDRAULIC DOCK LEVELLER WITH
HINGED LIP AND HIGHER DYNAMIC
LOAD CAPACITY

Product characteristics

- Green Solution Product
- up to 70% lower power consumption
- option packs for individual configuration
- robust steel construction
- i-Vision control
- 100kN dynamic load capacity
- auto button

L350i

The hydraulic dock levellers with hinged lip have established themselves among loading systems as the basic version. Provided with a dynamic load capacity of 100kN, the L350i is especially designed for heavy goods. The L350i combines a robust steel construction with state-of-the-art control technology, thus making for efficient loading. In 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 L350i consists of the following units:

- a self-supporting framework
- a platform with hinged lip
- hydraulic system to move the platform and the hinged lip
- a control system type i-VisionHAR1

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.

Hydraulic drive

With a middle-pressure hydraulic system, the two lift cylinders for the platform and the hinged lip cylinder are controlled independently.

Control and operation

The dock leveller is operated via the control system type i-Vision HAR1 included in the scope of delivery. The components of the control system are RoHS-compliant (unleaded).



i-VisionHAR1

NCI on board

The integrated Novoferm Communication Interface (NCI) provides over 50 important parameters. The LION 4.0 software supports you in analyzing these relevant data for a more efficient loading process.

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 hinged 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
- Lateral toe guards

Technical data

Nominal load according to EN 1398 100kN
 Nominal widths 1750, 2000, 2250mm
 Hinged lip length 400mm

Nominal lengths (mm)	Nominal heights (mm)	Operational range (mm)	
		Hinged lip 400 mm	
		Above Dock	Below Dock
2000	600	250	290
	700	290	340
2500	600	310	270
	700	360	330
3000	600	360	270
	700	430	330
3500	600	280	320
4000	900	570	350
4500	900	620	350

The maximum admissible inclination according to EN 1398 is 12.5%.

Power supply 3N-400V/50 Hz/16 A
 Protection rating IP65
 Motor rating max. 1,5kW

Construction characteristics platform material thickness 10/12mm
 hinged lip material thickness 15/17mm

Work needed in preparation for the installation

This is dependent on the preferred installation method. Please request our pit drawings.

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

Iso^{Plus} Insulation of dock leveller and Twin Sealing Gap

Safety^{Plus} Additional safety through traffic light systems

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

Options/Accessories

- painting in RAL colours at customer's option
- hot-dip galvanized
- interlocking of door and dock leveller
- three-layered gap seals on platform against draughts
- tapered hinged lip for narrow HGV trailers
- large selection of steel, rubber and plastic impact bumpers
- connection of wheel chock and traffic light systems
- different installation methods (frame types)
- other dimensions and load capacities on request
- NC Silence Plus
- Antislip protection with noise reduction
- Low temperature oil

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