

# CHVB-S 9000 NPL SERIES

## HYDRAULIC DOCK LEVELLER WITH TELESCOPIC LIP

### Push-button operation

Safe and simple push-button activation.

### Micro-processor controls

Modules can be personalized to meet your operating requirements.

### LED communication

LED displays internally and externally communicate the actual operating status of the dock leveller.

### Return to dock position

Push-button controlled, giving safe fork-lift truck cross-traffic.

### Durable platform construction

Beam spacing of platform is designed for use with a variety of material handling equipment.

### Smooth transition technology

Reducing gaps and bumps between platform and rear hinge, this technology allows for smooth transition.

### Telescopic lip guidance

Four maintenance free ball bearings reduce friction and ensure a smooth operation.

### Frame construction

Various hang-in frame options to suit your application. Available as dock box model.

### Hydraulic reliability

Hydraulic positioning of both platform and telescopic lip ensures high reliability and low maintenance.

### Maintenance support bolts

To support the platform and lip during service and maintenance.

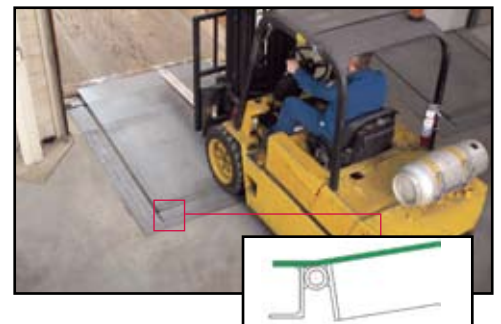


## EASY, SAFE AND RELIABLE OPERATION WITH THE SMOOTHEST TRANSITION IN THE INDUSTRY

Rite-Hite dock levellers provide the smoothest transition between loading dock, dock leveller and trailer to help prevent injuries and minimize fork-lift truck and product damage.

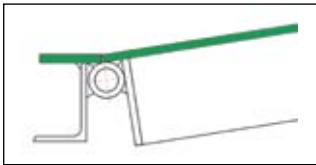


Traditional dock levellers have a gap at the rear hinge that creates a significant bump for fork-lift operators.



Innovative rear hinge design that creates a smooth transition between the leveller and the warehouse floor.

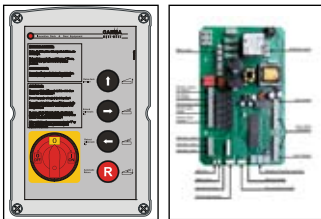
# RITE-HITE®



Innovative rear hinge design that creates a smooth transition between the dock leveller and warehouse floor.



The telescopic lip is guided by four maintenance free ball bearings to reduce friction and to ensure a smooth operation.



Micro-processor controls with internal and external LED communication and return to dock position as standard features.

## Operation

To raise the platform, push and hold the raise button on the control box. The other push buttons are not active while the platform is raising. To extend the lip, push and hold the extend button. The minimum lip extension before the dock leveller platform and lip can be lowered to the trailer bed is 100 mm. Forced lip retraction is standard if the nominal width of the dock leveller is over 2000 mm.

After completion of the loading operation, the dock leveller can be returned to the stored position by giving the R button a pulse signal. Clear operating instructions in the local language are included. The platform is designed to compensate for canted truck beds up to 100 mm and remains flush with the rear of the pit to eliminate pinch points. The telescopic lip is yieldable.

## Hydraulic system

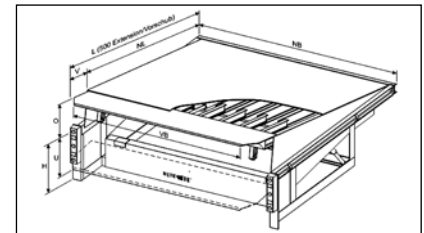
The platform is raised by two hydraulic cylinders with built-in velocity fuse (free-fall protection). The lip is extended by a hydraulic cylinder. The hydraulic pump, manifold and oil reservoir are contained in an integral assembly, which is fitted to the front of the platform for easy maintenance.

## Electrical system

The electrical system consists of a IP 54 enclosure with four push-buttons (raise, extend, retract and return) and a rotary lockable main power switch. The micro-processor controls allow for easy adjustments by using personalized modules (PEEP). The internal LED display and external service LED communicate the actual operating status of the dock leveller. The enclosed 0.75 kW motor is rated at 3x400V+N+E, 50 Hz. All electrical components, connections, wiring and control box are CE listed.

## Nominal dimensions

Capacity EN 1398 T (kN)
60
80



Nominal Length NL (mm)	Telescopic Lip Extended V (mm)	Total Length L (mm)	Service Range Up O (mm)	Service Range Down U (mm)	Closed Height H (mm)
2000	500	2500	350	350	620
2500	500	3000	350	350	620
3000	500	3500	400	400	720

## Standard features

- ▶ Compliant with ZH 1/156 and EN 1398
- ▶ Smooth transition rear hinge
- ▶ Anti-slip deck plate 8/10 mm, tread plate
- ▶ Telescopic lip segment guided by 4 roller bearings
- ▶ Hydraulic system includes:
  - ▶ Hydraulic emergency stop
  - ▶ Automatic height adjustment
- ▶ Electrical system includes:
  - ▶ Micro-processor controls 400/230V, 24V secondary voltage
  - ▶ Automatic stop after power failure or emergency stop
  - ▶ 4 Push-button operation with return to dock position
  - ▶ Forced lip retraction if nominal width (NB) is over 2000 mm
  - ▶ Power cables, adjusted to lip size
- ▶ Steel construction painted RAL 7016
- ▶ Yellow/black warning stripes on integral toeguard
- ▶ Front curtain out of black PVC
- ▶ 2 Rubber bumpers 400x90x80 mm

Nominal Width NB (mm)	Telescopic Lip Width VB*1 (mm)	Tapered Lip (mm)
2000	2000	
2250	2000	2/125/190

VB\*1 Applies for all nominal lengths (NL)

## Options

- ▶ Dock box
- ▶ Zinc-plated finish
- ▶ PVC/brush 3-sided weatherseals
- ▶ Foam insulation - Styrodur
- ▶ Abrasive ramp surface - KVS
- ▶ RAL colour of choice
- ▶ Rubber bumper 500x250x80 mm
- ▶ Rubber bumper 500x250x140 mm
- ▶ Steel faced bumpers
- ▶ Other options are available on request



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