

CHKB-S 8000 NPL SERIES

HYDRAULIC DOCK LEVELLER WITH HINGE LIP

Push-button operation

Safe and simple push-button activation.

Microprocessor 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.

Frame construction

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

Hydraulic reliability

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

Maintenance support strut

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.



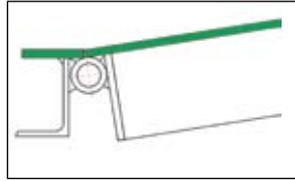
Traditional dock levellers have a gap at the rear hinge that creates a significant bump for fork-lift operators.



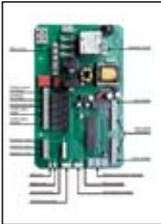
Innovative rear hinge design that creates a smooth transition between the leveller and the warehouse floor.



Beam spacing design provides flexibility and stability. Integral toe-guards are welded to platform. Rigid front header beam and rear hinge construction.



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



Microprocessor 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 platform will rise up and the lip will automatically extend. Release the push-button to lower the dock leveller platform and lip to the trailer bed. After completion of the loading operation, the dock leveller can be returned to the stored position manually (deadman control) by pushing and holding the R button or automatically 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 hinge lip is yieldable.

Hydraulic system

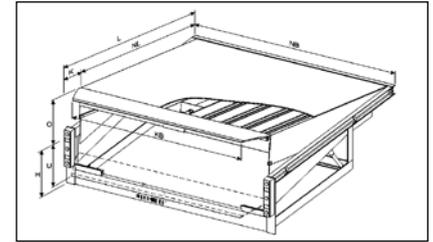
The platform is raised by two hydraulic cylinders with built-in velocity fuse (free-fall protection). The lip is extended by a hydraulic cylinder. The hydraulic pump, manifold and oil reservoir are contained in an integral assembly, which is fitted to the front of the platform for easy maintenance.

Electrical system

The electrical system consists of a IP 54 enclosure with two push-buttons (raise and return) and a rotary lockable main power switch. The microprocessor 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)	Hinge Lip Extended K (mm)	Total Length L (mm)	Service Range Up O (mm)	Service Range Down U (mm)	Closed Height H (mm)
2000	400	2400	400	350	600
2500	400	2900	400	350	600
3000	400	3400	400	350	600

Standard features

- ▶ Compliant with ZH 1/156 and EN 1398
- ▶ Smooth transition rear hinge
- ▶ Anti-slip deck plate, tread plate
- ▶ Hinge lip
- ▶ Hydraulic system includes:
 - ▶ Hydraulic emergency stop
 - ▶ Automatic height adjustment
- ▶ Electrical system includes:
 - ▶ Microprocessor controls 400/230V, 24V secondary voltage
 - ▶ Automatic stop after power failure or emergency stop
 - ▶ 2 Push-button operation with return to dock position
 - ▶ Power cables, adjusted to pit size
- ▶ Steel construction painted RAL 7016
- ▶ Yellow/black warning stripes on integral toe-guard
- ▶ 2 Rubber bumpers 400x90x80 mm

Nominal Width NB (mm)	Hinge Lip Width KB*1 (mm)	Tapered Lip (mm)
2000	2000	Option
2250	2000	2/125/330
KB*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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