

# RHH-5000 High Capacity Dock Leveler

Maximum safety and performance for heavy loads. Smoothest transitions in the industry.

Rite-Hite® Hydraulic Dock Levelers feature the smoothest transition between the loading dock and trailers to help prevent injuries, and maximize safety and productivity while minimizing forklift and product damage for heavy loads.



## Smooth transition technology

- » Ensures smooth transition between loading dock and trailer with constant radius rear hinge, two-point crown control and optimized lip chamfer design features.
- » Reduces forklift operators exposure to whole body vibration which can lead to chronic back and neck injuries.
- » Minimizes product damage.



Constant radius rear hinge



Two-point crown control



Rugged steel Safe-T-Lip barrier helps address drop-off accidents

## Exclusive safety features

- » Safe-T-Lip® barrier helps prevent open dock drop-off accidents.
- » Unique slotted lip design can be positioned out of the way for unobstructed end loading, especially critical with air-ride suspension trailers.
- » Safe-T-Strut™ Maintenance Support System protects personnel during clean out and inspection and provides lockout capability – unique through-the-lip design keeps strut in place when leveler is raised or is side-impacted by lift truck.

## Designed for heavy loads

- » I-beam structure
- » 1" (25 mm) thick lip with optimized lip chamfer
- » Heavy-duty platform, box construction design
- » ANSI tested and certified

## Productivity

- » Infinite lip control allows the operator to extend lip or stop platform any time during leveler travel to assist with loading expediency.

## Automatic safety protection

- » Dependable hydraulic velocity fuse automatically stops rapid leveler descent within 3" (76 mm) with heavy load on platform.

## Environmentally friendly

- » Hydraulic fluid is biodegradable.

# Specifications



Control Box



Optional end load legs can be used with Safe-T-Lip® leveler to allow for unobstructed end loading.

## Nominal dimensions

Widths	Lengths
6' (1829 mm)	6' (1829 mm)
6'6" (1980 mm)	8' (2438 mm)
7' (2134 mm)	10' (3048 mm)
	12' (3658 mm)

## Operation

To raise the platform, push and hold the "Raise" button on the NEMA 4X control box. After the lip clears the trailer floor, push and hold the "Lip Out" button while continuing to hold the "Raise" button to extend the lip. Release the push buttons to allow the leveler platform and lip to lower to the truck bed, above or below dock height, without manual chain pulling.

## Standard features

- » Capacity is to be determined by customer need and Dock Leveler Investment Guide. Consult your Rite-Hite® Representative for details.
- » Exclusive Smooth Transition Technology design.
- » Dual push-button control box provides infinite lip control allowing operator to extend lip or stop platform any time during leveler travel.\*
- » Optimized lip chamfer increases smoothness from trailer to leveler by 20 percent versus traditional design.
- » Quick clean subframe.

- » Non-adjustable hydraulic velocity fuse limits platform free fall to 3" (76 mm).
  - » Weatherseal (brush or plytex) helps maintain environmental control.\*
  - » Full-range, telescoping toeguards close off sides when leveler is in highest position.
  - » Lip keepers provide cross-traffic support and act as automatic night locks to help prevent building break-in attempts through dock areas.
  - » End load legs for at or below dock level end loads with a Safe-T-Lip barrier.\*
  - » Entire leveler is protected with a gray enamel paint finish.
  - » Biodegradable hydraulic fluid.
  - » Two laminated bumpers provided.
  - » 12-month money-back satisfaction warranty.
  - » Five-year parts and one-year labor warranty. All warranties subject to standard limitations on liability.
- \* Rite-Hite Hydraulic Dock Levelers can be ordered with or without these features.

## Safety features

- » Exclusive 20" (508 mm) lip, 7" (177.8 mm) Safe-T-Lip® Barrier will stop a 10,000 lb. (4,535 kg) load moving at 4 mph (6 kph).
- » Unique slotted lip can be easily positioned out of the way for end loading.
- » Integral Safe-T-Strut™ Maintenance Support System extends through lip and remains in place if leveler is impacted by a fork truck. System also provides lock-out, tag-out capability.

## Hydraulics

The platform is raised by a 4" (102 mm) ID hydraulic cylinder with a 2" (51 mm) solid guide rod mounted to the leveler frame. The lip is extended by a 2 1/2" (64 mm) ID cylinder. The hydraulic pump, manifold and oil reservoir are contained in an integral assembly. Hoses are routed under the leveler platform, away from debris. Has JIC flange or "O" ring fittings. Hydraulic fluid is biodegradable.

## Electrical

The 1 HP motor is rated at 115/230V, 60 Hz, single phase. 208/230/460/575V, 60 Hz, three phase and 380/415V, 50 Hz, three phase are also available as options. All electrical components, connections and wiring are UL listed or recognized.

*Please note: Unless specifically noted on quotation, all electrical including hook-up is the responsibility of others.*

## Leveler features

The available capacity options are:

- J L M
- 18" (457 mm) Lip (non-Safe-T-Lip)
- 20" (508 mm) Lip (non-SAFE-T-LIP)
- 20" (508 mm) Lip (Safe-T-Lip), 7" high (177.8 mm)

Infinite Lip Control

End load legs for at or below dock level end loads with a Safe-T-Lip® barrier.

Up to 10-year structural and hydraulic warranty, based on signed DLIG.

Automatic return to dock.

Weatherseal: Brush Plytex

Voltage:

3-Phase \_\_\_\_\_

Bumpers \_\_\_\_\_

Zinc metalized finish

Foam insulation



## Client Info

Customer Name: \_\_\_\_\_

General Contractor: \_\_\_\_\_

Quantity: \_\_\_\_\_

Date: \_\_\_\_\_