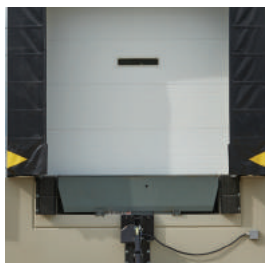


RHH-4000 Hydraulic Dock Leveler

Premium pit-style leveler with smooth transition technology.



Safe-T-Lip Design



Non Safe-T-Lip Design

Vacant Dock Drop-Off Protection

Exclusive 5" (500 mm) or 7" (177.8 mm) slotted Safe-T-Lip barrier protects against open dock accidents. The Safe-T-Lip barrier can stop a 10,000 lb (4535 kg) fork lift traveling at 4 mph (6.4 kg/hr) from going over the edge of the loading dock.

Maintenance Support System

Safe-T-Strut helps protect personnel during clean out and inspection and provides lockout/tag out capability. Unique through-the-lip design keeps strut in place when the leveler is raised to the highest position or is impacted by lift truck.

Always Improving Hydraulic Leveler

Continuing a long history of safety, innovation, durability, reliability and low lifetime ownership costs, Rite-Hite engineers hydraulic levelers with rigorous in-house testing, customer feedback integration and incorporation of latest trends in the trucking, logistic and material handling industry.

Smooth Transition Technology

Constant-radius rear hinge, two-point crown control on the front lip hinge, and an optimized lip chamfer provide a smooth transition from the facility floor to the trailer for your operators, forklifts and products. Helps to reduce whole body vibrations which can lead to chronic back and neck injuries as well as equipment and product damage.

Unique Structural Engineering

L-beam design with no more than 8" (203 mm) of spacing between beams for use of 3 and 4 wheel forklifts. Beam support is designed to flex up to 4" (101 mm) under its own weight to maintain a smooth transition for forklifts on unbalanced trailers.

Increased Operational Productivity

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

Industry-Leading Warranty

Backed by Rite-Hite's 12 Month Limited Money-Back Guarantee of Customer Satisfaction. 10 year non-prorated warranty. Up to 20 Year Money-Back Warranty based on the Dock Lock Investment Guide.

Specifications

General Description

The RHH-4000 Hydraulic Dock Leveler offers safety and reliability the industry expects from Rite-Hite. As the only dock leveler with a Smooth Transition™ Dock System, the RHH-4000 is proven to reduce whole body vibration[^], helping to protect people and material handling equipment while increasing productivity.

Leveler Deck

Smooth Transition Dock System includes: constant radius rear hinge to reduce bumps and gaps at rear of leveler, two point crown control to evenly distribute weight load and extend the life of the front hinge, optimized lip chamfer to improve smoothness by 20%, 8" (203mm) deck beam spacing to support use of 3-wheel and 4-wheel forklifts, and 4" (101mm) Self-Flex Deck does not require the weight of the forklift to accommodate unbalanced/unlevel trailer beds as the forklift travels in to and out of the trailer in service.

Leveler Length (ft.): 6 8 10 12 Pit Dimensions

Leveler Width (ft.): 6 6.5 7 Pit Dimensions

Pit Length: _____ **Pit Width:** _____ **Pit Depth:** _____

Leveler Lip

Lip Length (in.): 16 18 20. **Exclusive Safe-T-Lip™ barrier** offered as 18" (457 mm) lip w/ 5" (127 mm) STL or 20" (508 mm) lip w/ 7" (178 mm) STL helps protect against open dock accidents, helping to 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. **Manual End Load Legs**

Lip keepers with cross-traffic support and automatic night locks help prevent building break-in attempts through dock areas.

Infinite Lip Control **Extended Lip Chamfer**

Lip Crown: Increased or Decreased

Lip Taper (in.): TPR2 TPR3 TPR4 TPR5 TPR5.5

Notch2 Notch3 Notch4 Notch5 Notch5.5

Leveler Capacity

Rite-Hite levelers are certified to exceed ANSI MH30.1 dock leveler performance testing standards.

Leveler capacity by application: C D F G

Optional MH14.1-1978 decals: MH14.1-1978 37,000 (C)

MH14.1-1978 46,000 (D) MH14.1-1978 59,000 (F)

MH14.1-1978 66,000 (G)

Standard Leveler Features

Two bumpers: Less RH410-10P1 RHV420-11P1

RHV420-11SFP1 DSV420-11P1 RH612-14P1

RHV620-11P1 RHV620-11SFP1 DSV620-11P1

Toe Guard: Standard Grey (Integral) & Yellow (Full-range toe guard) Grey (INT & FRTG) Yellow and Black Stripes (INT & FRTG) Yellow (INT & FRTG)

Weatherseal: NB-1 Factory Installed NB-1 Kit (Field)

PT-2 Kit (Field) PT-2, Factory

Operation

1. To raise the platform, push and hold the "Raise" button on the control box. **2.** After the lip clears the trailer floor, push and hold the "Lip Out" button (levelers equipped with Infinite Lip Control, IFC) while continuing to hold the "Raise" button to extend the lip. For levelers without IFC, raise the platform until the lip fully extends. **3.** Release the push buttons to allow the leveler platform and lip to lower to the truck bed, above and below dock height, without manual chain pulling. **4.** To store the dock leveler, press the "Raise" button until the lip clears the trailer bed and release the button to return the dock leveler to stored position.

Hydraulics

The hydraulic pump, manifold & oil reservoir are contained in an integral assembly. Hoses routed under the platform, away from debris. All fittings are JIC flange or "O" ring flange. Biodegradable hydraulic fluid or MIL-5606 Oil-based hydraulic fluid options available. The platform is raised by Base Hydraulic System 2.5" Diameter Main Cylinder, 1-1/2" Diameter, Lip Cylinder, 3/4 HP Power Unit or Hydra-Rite™ Hydraulic System 4" Diameter Main Cylinder, 2-1/2" Diameter Lip Cylinder, 1 HP Power Unit. (H) Capacity levelers include the Hydra-Rite package as standard. Non-adjustable hydraulic velocity fuse limits platform free fall to 3" (76mm). **Combination Power Unit:** STR-4200 VBR-600 **Remote Power Unit:** Horizontal Vertical

Electrical/Controls

All controls are mounted in an interlock capable, NEMA 4X, gasketed control panel and enclosure assembly.

Ship Controls w/ Leveler: Shipping Separately Special CB Ordered Combined CB Ordered

» **Informational signs/decals languages:**

French Canadian English (Standard)

Portuguese Spanish

All electrical components, connections and wiring are UL listed or recognized. The leveler requires a power source of: 110-120/1/60 208-240/1/60 575/3/60 208-240/3/60 440-480/3/60 208-240/1/50 (Int'l NO Euro) 380-415/3/50 (Int'l NO Euro) 380-415/3/50, 24V Coil (Euro Only)

ITL(OHD Open/Raise Leveler):

ITL (OHD Oprtr to Oprt Leveler) Switch by Others

ITL (OHD Open to Oprt Leveler) Photoeye by RH®

ITL (OHD Open to Oprt Leveler) RH® Limit Switch

Maintenance Features

Integral Safe-T-Strut™ Maintenance Support System extends through the lip and provides: interior visual notification, continuous protection even if impacted by a forklift and lock out tag out.

Maintenance Pendant Receptacle Standard Warranty

Five-year parts and one-year labor warranty. All warranties subject to standard limitations on liability. 12 Month Limited Money-Back Guarantee of Customer Satisfaction*. 10 year non-prorated warranty. Up to 20 Year Money-Back Warranty based on the Dock Leveler Investment Guide (DLIG).

Dock Leveler Investment Guide (DLIG)

Dock Leveler Investment Guide (DLIG)

Max. Gross Load (1,000 lbs.): 5 7.5 10 12.5

15 17 20 **Trucks/Day:** 0-8 9-16 17-24

Specialty Leveler Features

LGV / AGV Application **Reinforced Rear Frame**

Self-Standing Frame **Self-Forming Pan (3-sided)**

Smooth Deck Lip **Abrasive Ramp Surface**

Automatic Return To Dock (ARTD) **Emergency Stop**

Cold Storage / Corrosive Applications

Stainless Steel Hinge Pins **Zinc metalized finish**

Insulation Options: Foam (Deck) Foam (Deck & Stringers)** Thermal Paint Barrier (**DLIG not avail. w/ foam options)

Special Above Dock Service

Above Dock Service (Please see "Above Dock Service" supplement for additional specs / information)

Client Info

Company Name _____

Date _____



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