

LHD Series Hydraulic Leveler

Specification Sheet & Submittal



25K - 40K
CIR

6' - 7'
WIDTH

6' - 8'
LENGTH

Standard Features

Simple, push-button control	Motor overload protection
Four-sided box construction - deck assembly	3-wheel fork truck protection
Full hydraulic lip activation	Low-maintenance design
Velocity safety stop	Safety yellow, full-range toe guards
Lockout/tagout maintenance strut	Two (2) B410-14 laminated bumpers
Night locks/cross traffic support	Designed and manufactured in the USA

General Description

All DLM Docks LHD Series hydraulic dock levelers incorporate the use of hydraulics to raise and lower both the platform and lip. A single push button activates a hydraulic pump for operating both lip and hoist cylinders. Systems, LLC is an active member of Loading Dock Equipment Manufacturers (LODEM), a product section of the Material Handling Industry. Unit conforms to OSHA, and is manufactured in compliance with the American National Standard of Safety Performance and Testing of Dock Leveling Devices (ANSI) MH 30.1. Unit manufactured by Systems, LLC.

Standard Operation Features

The LHD Series Leveler is controlled remotely from wall mounted control panel. An array of optional control panel features are available. Lip keepers welded to frame members provide nighttime security and cross-traffic support. Full operating range toe guards are provided as standard. Maintenance prop with 'Lock-out Tag-out' capability is provided as standard. Each LHD leveler is shipped with two (2) 4 ½" thick x 10" high x 14" wide laminated bumpers as standard.

Construction

The platform is constructed of 1/4" thick 4-way high strength, low alloy 50,000 minimum yield A572 steel safety tread-plate. Platform is reinforced and supported by full-length 6" roll formed "C" channels for 25,000 and 35,000 lb CIR and 6" structural "C" channels for 40,000 lb. CIR capacity units. Front header plate is 1/2" x 7" hot rolled steel. DLM Docks LHD Series lips are made of 4-way safety tread-plate, the 25,000 lb CIR is 1/2" thick and the 35,000 and 40,000 lb CIR are 5/8" thick. The standard lip length is 16" on all capacities. Hinge tubes are 1 3/4" OD x 5/16" wall, 1 7/8" x 3/8" wall, or 2 1/8" x 1/2" wall depending upon CIR. All lip hinge pins are 1" M1044 steel. Steel joist gussets welded to front header are standard on all roll form "C" channels. All platforms are designed to compensate for up to 4" of canted truck beds.

Hydraulics

Platform is raised by hydraulic cylinder, all hydraulic hoses are elevated under the leveler platform, away from debris. Hoist cylinder is hard chrome-plated single acting design with 2 1/2" OD rod and 3" ID bore. Hoist cylinder is equipped with a velocity safety stop to limit free fall of loaded platform to 3"(±1"). Lip operation is controlled by a hard chrome-plated cylinder having a 2" ID bore and is fully yieldable. Elevated, frame mounted pump and motor assembly keeps clear of debris accumulation in pit.

Electrical

Hydraulic pump motor shall be 1 1/4 HP TENVC at 115v single phase. Optional 3 Phase motors are available, consult factory. Electrical control panel is non-metallic Nema 4 enclosure for single push-button, or NEMA 4X for iDock® Controls. All electrical components, connections and wiring are UL listed or recognized. Please Note: Unless specifically noted on quotation, all electrical requirements are the responsibility of others.



Warranty

All DLM Docks LHD Series models feature a full one (1) year base warranty on all structural, hydraulic and electrical parts, including freight and labor charges in accordance with Systems, LLC's Standard Warranty Policy. Systems, LLC warrants all components to be free of defects in materials and workmanship, under normal use, during the warranty period. This base warranty period begins upon the completion of installation or the sixtieth (60th) day after shipment, whichever is earlier. Additional warranty extensions may be available upon approved submittal of application information.

Order Specifications

Dimensions and Capacities

Select a Model and a Capacity

MODEL NOMINAL SIZE	DYNAMIC CAPACITY / CIR (Comparative Industry Rating)
<input type="checkbox"/> LHD-66 6' x 6'	<input type="checkbox"/> 12,500 / 25,000 CIR
<input type="checkbox"/> LHD-68 6' x 8'	<input type="checkbox"/> 17,500 / 35,000 CIR
<input type="checkbox"/> LHD-656 6'6" x 6'	<input type="checkbox"/> 20,000 / 40,000 CIR
<input type="checkbox"/> LHD-658 6'6" x 8'	
<input type="checkbox"/> LHD-76 7' x 6'	
<input type="checkbox"/> LHD-78 7' x 8'	

Required Information

CUSTOMER	
JOB	
LOCATION	
NUMBER OF UNITS	
MODEL	
SIZE	
REPRESENTED BY	
SALES REP	

Check Options Desired

<input type="checkbox"/> TPR® Restraint	<input type="checkbox"/> Pit Kit (3 sided)
<input type="checkbox"/> TPR UniLock® Restraint	<input type="checkbox"/> Pan Unit (4 sided)
<input type="checkbox"/> PowerStop® Restraint (manual)	<input type="checkbox"/> Foam Insulation
<input type="checkbox"/> PowerStop® Restraint (auto)	<input type="checkbox"/> Special Color _____
<input type="checkbox"/> UniChock™ Restraint	<input type="checkbox"/> Clean Sweep Frame
<input type="checkbox"/> UXL Restraint	<input type="checkbox"/> Brush Weather seal
<input type="checkbox"/> Integrated Control Panel	<input type="checkbox"/> Rubber Weather seal
<input type="checkbox"/> 18" Lip	<input type="checkbox"/> Lip Supporting Service Strut
<input type="checkbox"/> 20" Lip	<input type="checkbox"/> Vertical Bumpers (laminated)
<input type="checkbox"/> 3 Phase Motor Voltage	<input type="checkbox"/> VB420-11 <input type="checkbox"/> VB424-11
<input type="checkbox"/> Dock Alert Communication System	<input type="checkbox"/> 6" Thick Dock Bumpers
<input type="checkbox"/> iDock® Controls	<input type="checkbox"/> Wheel Chocks Model # _____
<input type="checkbox"/> 3-Wheel Lift Truck Protection	<input type="checkbox"/> Dock Light (no bulb) Model # _____
<input type="checkbox"/> Pit Steel (6 piece curb angle set)	<input type="checkbox"/> Other _____
<input type="checkbox"/> Pit Steel (4/angle,2/bumper)	<input type="checkbox"/> Other _____

Certified for Construction

BY	
DATE	
COMPANY	
CITY & STATE	
VOLTAGE / PHASE	
DRAWING #	