

LHP Series Hydraulic Dock Leveler Specification Sheet and Submittal



LHP Series, 7' x 8', 35,000 CIR, CleanSweep frame and stand-alone push button shown



Controller type and size vary with options

STANDARD FEATURES FOR THE LHP SERIES HYDRAULIC DOCK LEVELER

- Simple Push Button Control
- Four Sided Box Construction
- Efficient Frame and Deck Design
- Full Hydraulic Lip Activation
- Velocity Safety Stop
- Lockout Tagout Maintenance Strut
- Night Locks/Cross Traffic Support
- Motor Overload Protection
- Low Maintenance Design
- Full Range Toe Guards
- Two (2) DB-13 Molded Rubber Bumpers



LHP Series Hydraulic Dock Leveler Specification Sheet

GENERAL DESCRIPTION: All POWERAMP® LHP 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, U.S. Department of Commerce Standard CS-202-56 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.

CONSTRUCTION: The platform is constructed of 1/4" thick 4-way high tensile 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. POWERAMP LHP 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.

STANDARD OPERATIONAL FEATURES: The LHP 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 LHP leveler is shipped with two (2) 4 1/2" thick x 10"h x 14"w DB -13 molded bumpers as standard.

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.**

INSTALLATION: Unit shipped completely assembled and ready for installation in preformed concrete pit. Pit construction to be in accordance with certified Systems, Inc. pit detail drawings. Contact Systems, LLC. for current cost and nearest distributor.

WARRANTY: All POWERAMP LHP 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.

Dimensions and Capacities	
Select a Model and a Capacity	
MODEL - NOMINAL SIZE	DYNAMIC CAPACITY / COMPARATIVE INDUSTRY RATING
<input type="checkbox"/> LHP-66 6' x 6'	<input type="checkbox"/> 12,500/25,000
<input type="checkbox"/> LHP-68 6' x 8'	<input type="checkbox"/> 17,500/35,000
<input type="checkbox"/> LHP-656 6'6" x 6'	<input type="checkbox"/> 20,000/40,000
<input type="checkbox"/> LHP-658 6'6" x 8'	
<input type="checkbox"/> LHP-76 7' x 6'	
<input type="checkbox"/> LHP-78 7' x 8'	

Optional Equipment for LHP Series Hydraulic Dock Levelers
(Check options desired)

<input type="checkbox"/> PowerHook® Restraint (S.C.)	<input type="checkbox"/> Special Color _____
<input type="checkbox"/> TPR® Restraint	<input type="checkbox"/> Clean Sweep Frame
<input type="checkbox"/> TPR UniLock® Restraint	<input type="checkbox"/> Brush Weather seal
<input type="checkbox"/> PowerStop® Restraint (manual) (S.C.)	<input type="checkbox"/> Rubber Weather seal
<input type="checkbox"/> PowerStop® Restraint (automatic) (S.C.)	<input type="checkbox"/> Lip Supporting Service Strut
<input type="checkbox"/> Integrated Control Panel	<input type="checkbox"/> Laminated Bumpers B410-14
<input type="checkbox"/> 18" Lip	<input type="checkbox"/> Vertical Bumpers (laminated)
<input type="checkbox"/> 20" Lip	<input type="checkbox"/> VB420-11 <input type="checkbox"/> VB424-11
<input type="checkbox"/> 3 Phase Motor Voltage	<input type="checkbox"/> 6" Thick Dock Bumpers
<input type="checkbox"/> Dock Alert Communication System	<input type="checkbox"/> Wheel Chocks Model # _____
<input type="checkbox"/> iDock® Controls	<input type="checkbox"/> Dock Light (no bulb) Model # _____
<input type="checkbox"/> 3-Wheel Lift Truck Protection	<input type="checkbox"/> Other _____
<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 _____
<input type="checkbox"/> Pit Kit (3 sided)	<input type="checkbox"/> Other _____
<input type="checkbox"/> Pan Unit (4 sided)	<input type="checkbox"/> Other _____
<input type="checkbox"/> Foam Insulation	<input type="checkbox"/> Other _____

<p>Customer: _____</p> <p>Job: _____</p> <p>Location: _____</p> <p>Number of Units: _____</p> <p>Model: _____</p> <p>Size: _____</p> <p>Represented By: _____</p> <p>SalesRep: _____</p>	<p>Certified For Construction:</p> <p>By: _____</p> <p>Date: _____</p> <p>Company: _____</p> <p>City & State: _____</p> <p>Voltage/Phase: _____</p> <p>Drawing #: _____</p>
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A continuing product improvement process is in effect at Systems, LLC. We reserve the right to make product changes without prior notice.