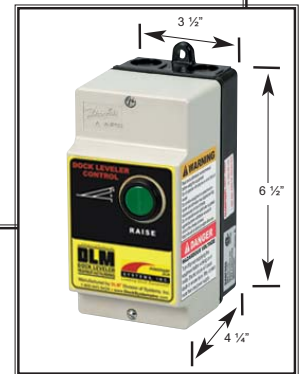


# DH Series Hydraulic Dock Leveler Specification Sheet and Submittal



DH Series, 7' x 8', 50,000 CIR, Clean Sweep Frame Shown



## STANDARD FEATURES FOR THE DH SERIES HYDRAULIC DOCK LEVELER

- Simple Push Button Control
- Four Sided Box Construction
- Inverted Single Acting Hoist Cylinder
- 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
- B410-14 Laminated Bumpers



# DH Series Hydraulic Dock Leveler Specification Sheet

**GENERAL DESCRIPTION:** All DLM DH Series 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, Inc. 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, Inc.

**CONSTRUCTION:** The platform is constructed of 1/4" thick 4-way high tensile 50,000 minimum yield A572 steel safety treadplate (3/16" for 20,000 Comparative Industry Rating (CIR)). Platform is reinforced and supported by full-length roll formed "C" channels (25,000 and 30,000 lb CIR), structural "C" channels (35,000 & 40,000 lb CIR), and a combination of structural "C" channels and "I" beams (45,000, 50,000 and 60,000 lb CIR). Front and rear header plate is of either 1/2" x 7" or 1/2" x 8" hot rolled steel. DLM DH Series lips are made of 4-way safety treadplate, the 25,000 lb CIR are 1/2" thick, the 30,000, 35,000 and 40,000 lb CIR are 5/8" thick, and the 45,000 50,000 and 60,000 lb CIR are 3/4" thick. The standard lip length is 16" on all capacities except the 60,000 CIR which is 18". Hinge tubes are 1 3/4" OD x 5/16" wall, 1 7/8" x 3/8" wall, 2 1/8" x 1/2" wall, or 2 5/8" x 3/4" wall depending upon CIR. All lip hinge pins are 1" M1044 steel. Steel lip gusset are standard on 50,000 and 60,000 lb CIR models. Steel header gussets are standard on all models 35,000 lb CIR and above. All platforms are designed to compensate for up to 4" of canted truck beds.

**HYDRAULICS:** Platform is raised by an inverted hydraulic cylinder, all hydraulic hoses are routed under the leveler platform, away from debris. Hoist cylinder is hard chrome-plated, single acting design with 3" OD rod and 3 1/2" 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 1/2" ID bore and is fully yieldable. Elevated, frame mounted pump and motor assembly keeps clear of debris accumulation in pit.

**STANDARD OPERATIONAL FEATURES:** The DH Series Leveler is controlled remotely from wall mounted control panel. An array of optional control panel features are available. Service range is from 12" above to 12" below dock level. 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. Factory finish includes rust inhibitive prime coat industrial grade finish. Each leveler is shipped with two (2) (B 410-14) 4 1/2" thick x 10"h x 14"w laminated bumpers as standard on all capacities except the 60,000 CIR which gets 6" thick bumpers.

**ELECTRICAL:** Hydraulic pump motor shall be 1HP TEFC at 115v single phase. Optional 3 Phase motors are available, consult factory. Electrical control panel is a non-metallic Nema 4 enclosure. 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 DH 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, Inc's Standard Warranty Policy. Hydraulic components carry an additional full two (2) year warranty with parts and labor. Structural components carry and additional nine (9) year pro-rated warranty. Systems, Inc. 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 are available upon approved submittal of application information.

Dimensions and Capacities <small>Select a Model and a Capacity</small>	
MODEL - NOMINAL SIZE	DYNAMIC CAPACITY / COMPARATIVE INDUSTRY RATING
<input type="checkbox"/> DH-66    6' x 6'	<input type="checkbox"/> 12,500/25,000
<input type="checkbox"/> DH-68    6' x 8'	<input type="checkbox"/> 15,000/30,000
<input type="checkbox"/> DH-610   6' x 10'	<input type="checkbox"/> 17,500/35,000
<input type="checkbox"/> DH-656   6'6" x 6'	<input type="checkbox"/> 20,000/40,000
<input type="checkbox"/> DH-658   6'6" x 8'	<input type="checkbox"/> 22,500/45,000
<input type="checkbox"/> DH-6510  6'6" x 10'	<input type="checkbox"/> 25,000/50,000
<input type="checkbox"/> DH-76    7' x 6'	<input type="checkbox"/> 30,000/60,000
<input type="checkbox"/> DH-78    7' x 8'	
<input type="checkbox"/> DH-710   7' x 10'	

Optional Equipment for DH Series Hydraulic Dock Levelers <small>(Check options desired)</small>	
<input type="checkbox"/> PowerStop Restraint (manual)	<input type="checkbox"/> Pit Steel (6 piece curb angle set)
<input type="checkbox"/> PowerStop Restraint (automatic)	<input type="checkbox"/> Pit Steel (4/angle 2/bumper)
<input type="checkbox"/> Grease Fittings	<input type="checkbox"/> Pit Kit (3 sided)
<input type="checkbox"/> Integrated Control Panel	<input type="checkbox"/> Pan Unit (4 sided)
<input type="checkbox"/> Lip Extend Only Button	<input type="checkbox"/> Foam Insulation
<input type="checkbox"/> Mushroom Style E-Stop Button	<input type="checkbox"/> Special Color _____
<input type="checkbox"/> Combo Lip Ext/Leveler Stop Btn	<input type="checkbox"/> Clean Sweep Frame
<input type="checkbox"/> NEMA 12 Encl.(w/ Interlock capability)	<input type="checkbox"/> Brush Weatherseal
<input type="checkbox"/> Auto Return to Dock (all positions) <small>(requires NEMA 12 Enclosure)</small>	<input type="checkbox"/> Rubber Weatherseal
<input type="checkbox"/> Barrier Lip B2 (smooth style)	<input type="checkbox"/> Vertical Bumpers (laminated)
<input type="checkbox"/> 18" Lip	<input type="checkbox"/> VB420-11 <input type="checkbox"/> VB424-11
<input type="checkbox"/> 20" Lip	<input type="checkbox"/> 6" Thick Dock Bumpers
<input type="checkbox"/> DockAlert Communication System	<input type="checkbox"/> Wheel Chocks Model# _____
<input type="checkbox"/> 3 Phase Motor _____ volts	<input type="checkbox"/> Dock Light (no bulb) Model# _____
<input type="checkbox"/> Other _____	<input type="checkbox"/> Other _____
<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><b>Certified For Construction:</b></p> <p>By: _____</p> <p>Date: _____</p> <p>Company: _____</p> <p>City &amp; State: _____</p> <p>Voltage/Phase: _____</p> <p>Drawing #: _____</p>
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A continuing product improvement process is in effect at Systems, Inc. We reserve the right to make product changes without prior notice.