

EH Series Hydraulic Dock Leveler Specification Sheet and Submittal



EH Series, 7' x 8', 30,000 CIR, CleanSweep frame and stand-alone push button shown



Controller type and size vary with options

STANDARD FEATURES FOR THE EH 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



EH Series Hydraulic Dock Leveler Specification Sheet

GENERAL DESCRIPTION: All POWERAMP® EH 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, 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 roll formed "C" channels (25,000 and 30,000 lb Comparative Industry Rating (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. POWERAMP EH Series lips are made of 4-way safety tread-plate, 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 EH 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 leveler is shipped with two (2) (B410-14) 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 1 1/4 HP TEFC 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 POWERAMP EH 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. 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, 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.

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

- | | |
|--|---|
| <input type="checkbox"/> PowerHook® Restraint (S.C.) | <input type="checkbox"/> Pit Steel (6 piece curb angle set) |
| <input type="checkbox"/> PowerHold® Restraint (S.C.) | <input type="checkbox"/> Pit Steel (4/angle, 2/bumper) |
| <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) (S.C.) | <input type="checkbox"/> Foam Insulation |
| <input type="checkbox"/> PowerStop® Restraint (automatic) (S.C.) | <input type="checkbox"/> Special Color _____ |
| <input type="checkbox"/> Grease Fittings | <input type="checkbox"/> Clean Sweep Frame |
| <input type="checkbox"/> Lip Extend Only Button | <input type="checkbox"/> Brush Weather seal |
| <input type="checkbox"/> Mushroom Style E-Stop Button | <input type="checkbox"/> Rubber Weather seal |
| <input type="checkbox"/> Combo Lip Ext/Leveler Stop Button | <input type="checkbox"/> Lip Supporting Service Strut |
| <input type="checkbox"/> iDock® Controls | <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"/> 3 Phase Motor Voltage | <input type="checkbox"/> Wheel Chocks Model # _____ |
| <input type="checkbox"/> Dock Alert Communication System | <input type="checkbox"/> Dock Light (no bulb) Model # _____ |
| | <input type="checkbox"/> Other _____ |

Dimensions and Capacities Select a Model and a Capacity

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

Customer: _____

Job: _____

Location: _____

Number of Units: _____

Model: _____

Size: _____

Represented By: _____

SalesRep: _____

Certified For Construction:

By: _____

Date: _____

Company: _____

City & State: _____

Voltage/Phase: _____

Drawing #: _____

A continuing product improvement process is in effect at Systems, LLC. We reserve the right to make product changes without prior notice.

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