

SPEC SHEET

Hydraulic Dock Levelers

PR Series Hydraulic Dock Leveler



GENERAL DESCRIPTION: All POWERAMP® PR 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 ¼" thick 4-way high tensile 50,000 minimum yield A572 steel safety treadplate. A 3/8" treadplate is used on the 80,000 & 120,000 lb Comparative Industry Rating (CIR) units. Platform is reinforced and supported by full-length structural "C" channels and/or "I" beams. Front and rear header plate is of either ½" x 7" or ½" x 8" hot rolled steel. POWERAMP lips are made of 4-way safety treadplate, the 30,000, 35,000 and the 40,000 lb CIR are 5/8" thick, the 45,000, 50,000 & 60,000 lb CIR are 3/4" thick. Lip-plates for the 80,000 & 120,000 lb CIR units are 1" T1 smooth plate with non-skid abrasive coating. Standard lip length 16" on 30,000, 40,000, 45,000, & 50,000 CIR, 18" on 60,000, 80,000 & 120,000 CIR. Hinge tubes are 1 3/4" OD x

5/16" wall, 1 7/8" x 3/8" wall, 2 1/8" x ½" wall, 2 5/8" x 3/4" wall or 3 1/8 x 1' wall depending upon CIR. All lip hinge pins are 1" M1044 steel. Steel lip gusset are standard on all models 50,000 lb CIR and above. 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.

Dimensions and Capacities

Select a Model and a Capacity

Model - Nominal Size	Dynamic Capacity/ Comparative Industry Rating
□ PR-66 6' x 6'	□ 15,000/30,000
□ PR-68 6' x 8'	□ 17,500/35,000
□ PR-610 6' x 10'	□ 20,000/40,000
□ PR-612 6' x 12'	□ 22,500/45,000
□ PR-656 6'6" x 6'	□ 25,000/50,000
□ PR-658 6'6" x 8'	□ 30,000/60,000
□ PR-6510 6'6" x 10'	□ 40,000/80,000
□ PR-6512 6'6" x 12'	□ 60,000/120,000
□ PR-76 7' x 6'	
□ PR-78 7' x 8'	
□ PR-710 7' x 10'	
□ PR-712 7' x 12'	

HYDRAULICS: Fluid Logic block is a close-grained ductile casting with precision machined "logic" paths and ports for control of all hydraulic functions. Hoist cylinder is 3 ½" hard chrome-plated hollow ram design. Lip operation is controlled by a cylinder having a 2 ½" ID bore and is fully yieldable. Lip cylinder is nickel plated for extended durability. Every hoist cylinder is equipped with an integral tamperproof

Standard Features



In-Line Velocity Fuse

Dock leveler free fall protection is built into the main lifting cylinder and can never be removed. Far safer than standard inline velocity fuse protection.



Deck Mounted Pump and Motor

The PR leveler pump and motor are mounted to the leveler deck making cleaning easier and protecting the unit from dock debris.



Fluid Logic Block

The Fluid Logic Block mechanically controls the flow of hydraulic fluid from the main lifting cylinder to the lip cylinder, this method is far more reliable than standard coil and shuttle valve style flow diversion.

velocity safety stop to limit free fall of loaded platform to 3" (±1"). Hydraulic system is designed to operate at low pressures from 275 to 325 psi. Deck mounted pump and motor assembly keeps clear of debris accumulation in pit and provides convenient access for routine inspection. Service access/inspection plate in deck permits fluid level inspection and adjustments from inside the building when leveler is in stored position.

STANDARD OPERATIONAL FEATURES: Quick cycle lip control and deck mounted control is available through dual lanyard located at the rear of the platform, provided as standard on PR Series levelers. Service range is from 12" above to 12" below dock level. Lip keepers welded to frame members provide night-time security and cross-traffic support. Safety yellow, full operating range, folding & locking, toe guards are provided as standard. Maintenance prop with 'Lock-out Tag-out' capability is provided as standard. Automatic return to dock from above and below dock is standard. Factory finish includes rust inhibitive prime coat industrial grade finish. Special coating and colors are optional. Each PR Series leveler is shipped with two (2) (B412-14) 4 1/2" thick, 12"h x 14"w dock bumpers. 6" thick bumpers provided as standard on 60,000, 80,000 and 120,000 lb CIR. Note: Altering pit depth from the recommended 24" may affect service range and options such as folding/locking toe guards and platform mounted power pack. Consult factory to determine service range and available options.

ELECTRICAL: Hydraulic pump motor either 1 1/2HP TENV at 120v or 208v single phase or a 208v, 230v, 460v, or 575v three phase. Electrical control panel is Nema 12 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 POWERAMP PR Series models feature a full two (2) year base warranty on all structural, hydraulic and electrical parts, including freight and labor charges in accordance with Systems, Inc's Standard Warranty Policy. Structural and hydraulic components carry an additional full five (5) year extended warranty with parts and labor. 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 may be available upon approved submittal of application information.

Optional Equipment for PR Series Hydraulic Dock Levelers (Check options desired)	
<input type="checkbox"/> PowerHook® Restraint	<input type="checkbox"/> Pit Steel
<input type="checkbox"/> PowerHold® Restraint	<input type="checkbox"/> Pit Steel (4/angle,2/bumper)
<input type="checkbox"/> TPR™ Restraint	<input type="checkbox"/> Pit Kit (3 sided)
<input type="checkbox"/> PowerStop™ Restraint (manual)	<input type="checkbox"/> Pan Unit (4 sided)
<input type="checkbox"/> PowerStop™ Restraint (automatic)	<input type="checkbox"/> Foam Insulation
<input type="checkbox"/> Grease Fittings	<input type="checkbox"/> Special Color _____
<input type="checkbox"/> Barrier Lip B1 (beveled style)	<input type="checkbox"/> Brush Weather seal
<input type="checkbox"/> Barrier Lip B2 (smooth style)	<input type="checkbox"/> Rubber Weather seal
<input type="checkbox"/> Integrated Control Panel	<input type="checkbox"/> CentraPower
<input type="checkbox"/> Lip Extend Only Button	<input type="checkbox"/> Vertical Bumpers (laminated)
<input type="checkbox"/> Mushroom Style E-Stop Button	<input type="checkbox"/> VB420-11
<input type="checkbox"/> Combo Lip Ext/Leveler Stop Button	<input type="checkbox"/> VB424-11
<input type="checkbox"/> Auto Return to Dock (all positions)	<input type="checkbox"/> 6" Thick Dock Bumpers
<input type="checkbox"/> 18' Lip	<input type="checkbox"/> Wheel Chocks Model # _____
<input type="checkbox"/> 20' Lip	<input type="checkbox"/> Dock Light (no bulb) Model # _____
<input type="checkbox"/> Dock Alert Communication System	<input type="checkbox"/> Other _____
<input type="checkbox"/> Pit Steel (6-piece curb angle set)	<input type="checkbox"/> Other _____

Other Features

- Push Button Control Box
- Structural Steel Support Members
- Hollow Ram Hoist Cylinder
- Low Pressure Hydraulic System
- Integral Tamperproof Velocity Safety Stop
- Deck Mounted Pump and Motor
- Lockout Tagout Maintenance Strut
- Night Locks/Cross Traffic Support
- 3-wheel Fork Truck Protection
- Auto Return to Dock (All Positions)
- Quick Cycle Below Dock Control
- Overhead Door Interlocks (Dry Terminal)
- Dual-Control via Lanyard
- Maintenance Inspection Plate
- Yellow Folding/Locking Toe Guards
- B412-14 Laminated Dock Bumpers

Standard Features (cont.)



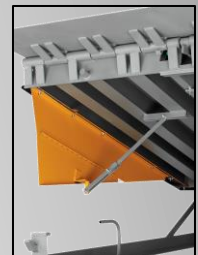
Recessing Lip Cylinder

The lip cylinder recesses away from the lip after the leveler has rested on the back of the truck preventing wear on the seals while the leveler moves up and down with the bed of the truck.



Maintenance Check Plate in Deck

The PR's maintenance check plate allows for preventative maintenance to take place from above dock saving man power and money and allowing for inspection and adjustments while the overhead door is closed.



Folding and Locking Toe Guards

PR levelers utilize folding and locking toe guards. Much stronger and longer lasting than standard sliding style toe guards.

BODE

MATERIAL HANDLING SOLUTIONS

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