

# PR Series Hydraulic Dock Leveler

## Specification Sheet & Submittal



**30K - 120K  
CIR**

**6' - 7'  
WIDTH**

**6' - 12'  
LENGTH**

### Standard Features

Automatic return to dock from all positions	Quick cycle below dock control
Deck mounted pump and motor	Retractable lip cylinder
Dual control lanyard	Structural support members
Fluid logic block	Below dock end loading capability
Folding and locking toe guards	CleanSweep frame design
Internal tamperproof velocity fuse	Four-sided box construction deck assembly
Low pressure hollow ram hoist cylinder	Lockout/tagout maintenance strut
Maintenance inspection plate	Night locks/cross traffic support
Push-button activation	Designed and manufactured in the USA

### 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, 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

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.

## Construction

The platform is constructed of ¼" thick 4-way high strength, low alloy 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 PR series 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 ¾" 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.

## 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 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.

## Electrical

Hydraulic pump motor either 1½HP TENV at 120v or 208v single phase or a 208v, 230v, 460v, or 575v three phase. Electrical control panel is a NEMA 12 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 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, LLC's Standard Warranty Policy. Structural and hydraulic components carry an additional full five (5) year extended warranty with parts and labor. 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"/> PR-66 6' x 6'	<input type="checkbox"/> 15,000 / 30,000 CIR
<input type="checkbox"/> PR-68 6' x 8'	<input type="checkbox"/> 17,500 / 35,000 CIR
<input type="checkbox"/> PR-610 6' x 10'	<input type="checkbox"/> 20,000 / 40,000 CIR
<input type="checkbox"/> PR-612 6' x 12'	<input type="checkbox"/> 22,500 / 45,000 CIR
<input type="checkbox"/> PR-656 6'6" x 6'	<input type="checkbox"/> 25,000 / 50,000 CIR
<input type="checkbox"/> PR-658 6'6" x 8'	<input type="checkbox"/> 30,000 / 60,000 CIR
<input type="checkbox"/> PR-6510 6'6" x 10'	<input type="checkbox"/> 40,000 / 80,000 CIR
<input type="checkbox"/> PR-6512 6'6" x 12'	<input type="checkbox"/> 60,000 / 120,000 CIR
<input type="checkbox"/> PR-76 7' x 6'	
<input type="checkbox"/> PR-78 7' x 8'	
<input type="checkbox"/> PR-710 7' x 10'	
<input type="checkbox"/> PR-712 7' x 12'	

## Required Information

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

## Check Options Desired

<input type="checkbox"/> PowerHook® Restraint (S.C.)	<input type="checkbox"/> Pit Steel (6 piece curb angle set)
<input type="checkbox"/> TPR® Restraint	<input type="checkbox"/> Pit Steel (4/angle,2/bumper)
<input type="checkbox"/> TPR UniLock® 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 (auto)	<input type="checkbox"/> Foam Insulation
<input type="checkbox"/> UniChock™ Restraint	<input type="checkbox"/> Special Color _____
<input type="checkbox"/> UXL Restraint	<input type="checkbox"/> Clean Pit® (frame removed)
<input type="checkbox"/> Grease Fittings	<input type="checkbox"/> Brush Weather seal
<input type="checkbox"/> 5" Barrier Lip (smooth style)	<input type="checkbox"/> Rubber Weather seal
<input type="checkbox"/> iDock® Controls	<input type="checkbox"/> CentraPower
<input type="checkbox"/> Integrated Control Panel	<input type="checkbox"/> Vertical Bumpers (laminated)
<input type="checkbox"/> Lip Extend Only Button	<input type="checkbox"/> VB420-11 <input type="checkbox"/> VB424-11
<input type="checkbox"/> Mushroom Style E-Stop Button	<input type="checkbox"/> 6" Thick Dock Bumpers
<input type="checkbox"/> Combo Lip Ext/Leveler Stop Button	<input type="checkbox"/> Wheel Chocks Model # _____
<input type="checkbox"/> 18" Lip	<input type="checkbox"/> Dock Light (no bulb) Model # _____
<input type="checkbox"/> 20" Lip	
<input type="checkbox"/> Dock Alert Communication System	

## Certified for Construction

BY	
DATE	
COMPANY	
CITY & STATE	
VOLTAGE / PHASE	
DRAWING #	