

AP Series Air Powered Dock Leveler Specification Sheet and Submittal



AP Series, 7' x 8', 40,000 CIR, frame and stand-alone push button shown



Controller type and size vary with options

STANDARD FEATURES FOR THE AP SERIES AIR POWERED DOCK LEVELER

- Simple Push Button Control
- Four Sided Box Construction
- Single-Phase 115v Motor
- Automatic Lip Extension
- Below Dock End Loading Capability
- Lockout Tagout Maintenance Strut
- Lip Supporting Service Strut
- Night Locks/Cross Traffic Support
- Multiple Position Safety Stop
- Full Range Toe Guards
- B410-14 Laminated Bumpers
- Made in the USA



AP Series Air Powered Dock Leveler Specification Sheet

GENERAL DESCRIPTION: All Poweramp® AP Series dock levelers incorporate the use of a low pressure, high volume air system to raise and lower the platform. Systems, LLC is an active member of Loading Dock Equipment Manufacturers (LODEM), a product section of the Material Handling Industry. Unit conforms to and is manufactured in compliance with the American National Standard of Safety Performance and Testing of Dock Leveling Devices (ANSI) MH 30.1. Unit is manufactured by Systems, LLC.

CONSTRUCTION: The platform is constructed of ¼" thick 4-way high strength, low alloy 50,000 minimum yield A572 steel safety tread-plate. Platform is reinforced and supported by full-length roll formed "C" hannels (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 and 50,000 lb CIR). Front and rear header plate is ½" x 7" hot rolled steel. Poweramp AP 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 and 50,000 lb CIR are 3/4" 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 lip gusset are standard on 50,000 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.

OPERATION: Platform is raised by an electric blower motor filling an air bladder which provides upward lift of the platform. The lip is extended and secured in place with Lip Drive positive lip extension. Releasing the raise button allows the platform to float downward to the truck bed. No manual lifting is required. Elevated, frame mounted air bladder assembly keeps clear of debris accumulated in the pit.

STANDARD OPERATIONAL FEATURES: The AP 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. Special coating and colors are optional. Each leveler is shipped with two (2) (B410-14) 4½" thick x 10"h x 14"w laminated bumpers as standard.

ELECTRICAL: Electric blower motor shall be 115v single phase, 1400 watt drawing 11 amps at startup. Optional voltage 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 AP Series models feature a full one (1) year base warranty on all structural, pneumatic and electrical parts, including freight and labor charges in accordance with Systems, LLC's Standard Warranty Policy. Lifting system, including air bladder, seals, hoses and motor carry an additional full four (4) year warranty on parts. Structural components carry an 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.

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

Optional Equipment for AP Series Air Powered Dock Levelers	
(Check options desired)	
<input type="checkbox"/> PowerHook® Restraint (S.C.)	<input type="checkbox"/> Pit Kit (3 sided)
<input type="checkbox"/> TPR® Restraint	<input type="checkbox"/> Pan Unit (4 sided)
<input type="checkbox"/> TPR UniLock® Restraint	<input type="checkbox"/> Foam Insulation
<input type="checkbox"/> PowerStop® Restraint (manual) (S.C.)	<input type="checkbox"/> Special Color _____
<input type="checkbox"/> PowerStop® Restraint (automatic) (S.C.)	<input type="checkbox"/> Clean Sweep Frame
<input type="checkbox"/> UniChock™ Restraint	<input type="checkbox"/> Brush Weather seal
<input type="checkbox"/> Grease Fittings	<input type="checkbox"/> Rubber Weather seal
<input type="checkbox"/> 5" Barrier Lip (smooth style)	<input type="checkbox"/> Vertical Bumpers (laminated)
<input type="checkbox"/> iDock® Controls	<input type="checkbox"/> VB420-11 <input type="checkbox"/> VB424-11
<input type="checkbox"/> Integrated Control Panel	<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"/> 3-wheel Fork 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 _____

Customer: _____	Certified For Construction:
Job: _____	By: _____
Location: _____	Date: _____
Number of Units: _____	Company: _____
Model: _____	City & State: _____
Size: _____	Voltage/Phase: _____
Represented By: _____	Drawing #: _____
SalesRep: _____	

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