

SPEC SHEET

Air Powered Dock Levelers

AP Series Air Powered Dock Leveler



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, 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 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 ½" 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.

Dimensions and Capacities

Select a Model and a Capacity

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

Standard Features



Optional inter-lockable electrical push button controls

The leveler can utilize an inter-lockable electrical push-button. This feature allows the leveler to be easily interlocked to the overhead door, red green outside lights, truck restraints, or other items at the loading dock.



Single push button operation

Simple press and hold push button operation raises leveler. Releasing button allows leveler to lower to the truck bed.



High volume low pressure blower

Reliable stationary mounted fan blower delivers a low pressure volume of air to efficiently raise and position the leveler onto the truck

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. 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, Inc'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, 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.

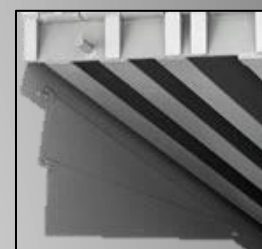
Optional Equipment for CentraAir Air Powered Dock Levelers (Check options desired)	
<input type="checkbox"/> PowerHook® Restraint (S.C.)	<input type="checkbox"/> Pit Kit (3 sided)
<input type="checkbox"/> PowerHold® Restraint (S.C.)	<input type="checkbox"/> Pan Unit (4 sided)
<input type="checkbox"/> TPR® Restraint	<input type="checkbox"/> Foam Insulation
<input type="checkbox"/> TPR® Unilock Restraint	<input type="checkbox"/> Special Color
<input type="checkbox"/> PowerStop™ Restraint (manual) (S.C.)	<input type="checkbox"/> Clean Sweep Frame
<input type="checkbox"/> PowerStop™ Restraint (automatic) (S.C.)	<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"/> NEMA 12 Encl. (winterlock capability)	<input type="checkbox"/> VB420-11
<input type="checkbox"/> Integrated Control Panel	<input type="checkbox"/> VB424-11
<input type="checkbox"/> 18" Lip	<input type="checkbox"/> 6" Thick Dock Bumpers
<input type="checkbox"/> 20" Lip	<input type="checkbox"/> Wheel Chocks Model # _____
<input type="checkbox"/> Dock Alert Communication System	<input type="checkbox"/> Dock Light (no bulb) Model # _____
<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 _____

Standard Features (cont.)



Four sided box construction

Stronger more durable four sided box construction



Sliding Style Toe Guards

This leveler utilizes sliding style toe guards for added safety

Other Features

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

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MATERIAL HANDLING SOLUTIONS

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