

# AP Series Air-Powered Leveler

## Specification Sheet & Submittal

**25K - 50K  
CIR** | **6' - 7'  
WIDTH** | **6' - 10'  
LENGTH**



### Standard Features

Lip-supporting service strut	CleanSweep frame design
Multiple position safety stop	Four-sided box construction deck assembly
Push-button activation	Lockout/tagout maintenance strut
Safety yellow full-range toe guards	Night locks/cross traffic support
Below dock end loading capability	Designed and manufactured in the USA

### Standard Operation 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.

### 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  $\frac{1}{4}$ " 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" channels (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  $\frac{1}{2}$ " x 7" hot rolled steel. Poweramp AP Series lips are made of 4-way safety tread-plate, the 25,000 lb CIR are  $\frac{1}{2}$ " thick, the 30,000, 35,000 and 40,000 lb CIR are  $\frac{5}{8}$ " thick, and the 45,000 and 50,000 lb CIR are  $\frac{3}{4}$ " 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.

## Order Specifications

### Dimensions and Capacities

#### Select a Model and a Capacity

MODEL	NOMINAL SIZE	CIR (Comparative Industry Rating)
<input type="checkbox"/> AP-66	6' x 6'	<input type="checkbox"/> 25,000 CIR
<input type="checkbox"/> AP-68	6' x 8'	<input type="checkbox"/> 30,000 CIR
<input type="checkbox"/> AP-610	6' x 10'	<input type="checkbox"/> 35,000 CIR
<input type="checkbox"/> AP-656	6'6" x 6'	<input type="checkbox"/> 40,000 CIR
<input type="checkbox"/> AP-658	6'6" x 8'	<input type="checkbox"/> 45,000 CIR
<input type="checkbox"/> AP-6510	6'6" x 10'	<input type="checkbox"/> 50,000 CIR
<input type="checkbox"/> AP-76	7' x 6'	
<input type="checkbox"/> AP-78	7' x 8'	
<input type="checkbox"/> AP-710	7' x 10'	

## Required Information

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

## 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.

### Check Options Desired

#### Optional Equipment

- PowerHook® Restraint (S.C.)
- TPR® Restraint
- TPR UniLock® Restraint
- PowerStop® Restraint (manual)
- PowerStop® Restraint (auto)
- UniChock™ Restraint
- UXL Restraint
- Grease Fittings
- Light Communication System
  - Dock Alert (NEMA12)
  - iDock 1.0 Alert
  - iDock 2.0 Alert
- Integrated Control Panel
- 5" Barrier Lip (smooth style)
- 18" Lip
- 20" Lip
- 3-Wheel Fork Truck Protection

- Vertical Bumpers (laminated)
  - VB420-11  VB424-11
- Pit Steel (6 piece curb angle set)
- Pit Steel (4/angle,2/bumper)
- Pit Kit (3 sided)
- Pan Unit (4 sided)
- Foam Insulation
- Special Color
- Clean Sweep Frame
- Brush Weather seal
- Rubber Weather seal
- 6" Thick Dock Bumpers
- Steel Faced Dock Bumpers
- Wheel Chocks
- Model # \_\_\_\_\_
- Dock Light (no bulb)  
Model # \_\_\_\_\_

## Certified for Construction

BY	
DATE	
COMPANY	
CITY & STATE	
VOLTAGE / PHASE	
DRAWING #	