

CentraAir® Series Air-Powered Leveler

Specification Sheet & Submittal



25K - 50K
CIR

6' - 7'
WIDTH

6' - 10'
LENGTH

Standard Features

Proven industrial air bellows technology	Safety yellow full-range toe guards
Lip-supporting service strut	Suitable for hazardous locations
Multiple position safety stop	Below dock end loading capability
Pneumatic or electrical push-button controls	CleanSweep frame design
Powered by compressed air system	Four-sided box construction deck assembly
Reduces electrical footprint	Lockout/tagout maintenance strut
Regulator filter lubricator provides clean compressed air	Night locks/cross traffic support
Designed and manufactured in the USA	

General Description

All Poweramp® CentraAir® (CA) Series dock levelers incorporate the use of common plant air combined with an industrial automotive grade air bellows 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 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

The CA Leveler is controlled from either a wall mounted control panel or a manual lanyard located at the back of the leveler. 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.

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" 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 ½" x 7" hot rolled steel. Poweramp CentraAir 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 gussets 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

The CentraAir Series Leveler is available with push button activation either electrical or pneumatic, or lanyard control. With either system, the activation of the CA Leveler is simple. The dock attendant either pushes and holds the raise button or pulls and holds the lanyard at the rear of ramp, unit will raise and lip will extend. Releasing either the raise button or lanyard will permit the leveler to float down to the bed of the truck.

Electrical

The CentraAir Series Dock Leveler operates off existing plant air regulated at approximately 90 psi or off a dedicated compressor. Activation of the unit is either push button or lanyard control. Lanyard control is located at the back of the leveler, similar to a mechanical unit and requires no electrical for the unit, making it a ideal for electrically starved areas or explosion proof applications. The push button option utilizes a 115V circuit to power an extremely low amp (.073 amp) solenoid which activates the system. Both push button and lanyard models incorporate a 5 ft³ industrial automotive grade bellows system, which exhausts air through a cartridge valve located in the pit. Please Note: Unless specifically noted on quotation, all electrical requirements are the responsibility of others.



Warranty

All Poweramp CentraAir 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 industrial air bellows, mounting brackets, cartridge valves and seals 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.

Order Specifications

Dimensions and Capacities

Select a Model and a Capacity

MODEL	CIR
NOMINAL SIZE	(Comparative Industry Rating)
☐ CA-66 6' x 6'	☐ 25,000 CIR
☐ CA-68 6' x 8'	☐ 30,000 CIR
☐ CA-610 6' x 10'	☐ 35,000 CIR
☐ CA-656 6'6" x 6'	☐ 40,000 CIR
☐ CA-658 6'6" x 8'	☐ 45,000 CIR
☐ CA-6510 6'6" x 10'	☐ 50,000 CIR
☐ CA-76 7' x 6'	
☐ CA-78 7' x 8'	
☐ CA-710 7' x 10'	

Required Information

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

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
☐ 5" Barrier Lip (smooth style)
☐ Operation
☐ Electrical Push Button
☐ Pneumatic Push Button
☐ Lanyard Control
☐ iDock® Controls
☐ Integrated Control Panel
☐ 18" Lip
☐ 20" Lip
☐ iDock Alert Communication System | ☐ 3-wheel Fork Truck Protection
☐ 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
☐ Vertical Bumpers (laminated)
☐ VB420-11 ☐ VB424-11
☐ 6" Thick Dock Bumpers
☐ Steel Face Dock Bumpers
☐ Wheel Chocks Model # _____
☐ Dock Light (no bulb) Model # _____
☐ Extended Reach Air Wand |
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Certified for Construction

BY	
DATE	
COMPANY	
CITY & STATE	
VOLTAGE / PHASE	
DRAWING #	