

CentraAir® Series Air Powered Dock Leveler Specification Sheet



STANDARD FEATURES FOR THE CentraAir® SERIES AIR POWERED DOCK LEVELER

- Electrical or Pneumatic Push Button or Lanyard Control
- Ideally Suited for Power Starved Applications
- Powered From Plant Air System or Dedicated Compressor
- Proven Air Bellow Technology
- Clean Sweep™ Frame
- Low Maintenance Design - Few Moving Parts
- Automatic Lip Extension
- Below Dock End Loading Capability
- Lockout/Tagout Maintenance Strut
- Multiple Position Safety Stop
- Night Locks/Cross Traffic Support
- Full Range Toe Guards
- B410-14 Laminated Bumpers (2)



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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, 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 1/4" 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" 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 1/2" x 7" hot rolled steel. POWERAMP CentraAir™ (CA) 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 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® (CA) 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.

STANDARD OPERATIONAL FEATURES: The CentraAir® (CA) Series 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) 4 1/2" thick x 10"h x 14"w laminated bumpers as standard.

ELECTRICAL: The CentraAir® (CA) 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® (CA) 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 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, 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® Series Air Powered Dock Levelers (Check options desired)

- | | |
|--|---|
| <input type="checkbox"/> PowerHook® Restraint (S.C.) | <input type="checkbox"/> Pit Steel (6 piece curb angle set) |
| <input type="checkbox"/> PowerHold® Restraint (S.C.) | <input type="checkbox"/> Pit Steel (4/angle,2/bumper) |
| <input type="checkbox"/> TPR® Restraint | <input type="checkbox"/> Pit Kit (3 sided) |
| <input type="checkbox"/> TPR® UniLock Restraint | <input type="checkbox"/> Pan Unit (4 sided) |
| <input type="checkbox"/> PowerStop® Restraint (manual) (S.C.) | <input type="checkbox"/> Foam Insulation |
| <input type="checkbox"/> PowerStop® Restraint (automatic) (S.C.) | <input type="checkbox"/> Special Color_____ |
| <input type="checkbox"/> Grease Fittings | <input type="checkbox"/> Clean Sweep Frame |
| <input type="checkbox"/> 5" Barrier Lip (smooth style) | <input type="checkbox"/> Brush Weather seal |
| <input type="checkbox"/> Operation | <input type="checkbox"/> Rubber Weather seal |
| <input type="checkbox"/> Electrical Push Button <input type="checkbox"/> Pneumatic Push Button | <input type="checkbox"/> Vertical Bumpers (laminated) |
| <input type="checkbox"/> Lanyard Control | <input type="checkbox"/> VB420-11 <input type="checkbox"/> VB424-11 |
| <input type="checkbox"/> NEMA 12 Encl. (w/interlock capability) | <input type="checkbox"/> 6" Thick Dock Bumpers |
| <input type="checkbox"/> Integrated Control Panel | <input type="checkbox"/> Steel Face 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"/> Extended Reach Air Wand (for routine housekeeping) |
| <input type="checkbox"/> 3-wheel Fork Truck Protection | <input type="checkbox"/> Other_____ |

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

Customer: _____

Job: _____

Location: _____

Number of Units: _____

Model: _____

Size: _____

Represented By: _____

SalesRep: _____

Certified For Construction:

By: _____

Date: _____

Company: _____

City & State: _____

Voltage/Phase: _____

Drawing #: _____

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

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