

CentraAir® Series Air-Powered Leveler

Specification Sheet & Submittal

25K - 50K
CIR

6' - 7'
WIDTH

6' - 10'
LENGTH



Standard Features

Explosion-proof due to its use of air operation instead of hydraulics	Structural C and I beam deck supports (45K and above)
Lip-supporting service strut	B410-14 laminated dock bumpers
Pneumatic or electrical push-button controls	Below dock end load capability
Positive lip extension with yieldable lip	Full width rear hinge mounted in compression with structural channel support
Powered by compressed air system	Integral maintenance strut is lockout/tagout compliant
Proven industrial air bellows technology	Subframe design allows for easy pit clean out
Reduces electrical footprint	Designed and manufactured in USA
Regulator filter lubricator provides clean compressed air	

General Description

All McGuire® 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 McGuire.

Construction

The platform is constructed of ¼" thick 4-way high strength, low alloy, 50,000 minimum yield A572 safety tread plate. Platform is reinforced and supported by full length 6" height "C" channels for 25,000 lb CIR to 40,000 lb CIR units, full length 6" height structural channel for 45,000 lb CIR units and full length 6" height structural channel and I beams for 55,000 lb CIR units, all welded to deck for firm structural support. Front and rear header plate is ½" thick x 7" high hot rolled steel. McGuire CA series lips are 4-way safety tread plate, the 25,000 lb CIR is ½" thick and the 30,000, 35,000, 40,000, lb CIR are 5/8" thick and the 45,000 lb, 55,000 lb CIR units are ¾" thick. The standard lip length is 16" on all capacities. Hinge tubes are 1 ¾" OD x 5/16" wall, 1 7/8" OD x 3/8" wall or 2 1/8" OD x ½" wall depending on CIR. All lip hinge pins are 1" diameter M1044 steel. Steel header gussets are standard on all models 35,000 lb CIR and above. All units have grease fittings as standard. All platforms are designed to compensate for up to 4" of canted trailer bed.

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. 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.

Safety Equipment

Pivoting cross traffic legs of solid steel bar construction provide multi position safety at dock level and below. Self contained lip control yields under impact from incoming trailer. Leveler is equipped with built-in maintenance prop with "Lockout/Tagout" capability; full range toe guards and night lock security. Unit can be equipped with an optional UniChock™ UXL, STOP-TITE®, TPR®, or TPR® UniLock series vehicle restraint devices or Light Communication System signs and lights.

Colors

Levelers painted slate blue. Other colors are available. Consult factory.

Dock Bumpers

Two black laminated 4" thick x 10"H x 14"W standard. Optional sizes and types are available.

Vehicle Restraint Systems

McGuire CentraAir Series air powered levelers can be equipped with an optional UniChock, UXL, STOP-TITE, TPR, or TPR UniLock series vehicle restraint or the Light Communication System to help prevent unexpected trailer departure from the loading dock and minimize trailer creep during the loading/unloading process and to enhance communication at the dock area.

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 McGuire 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 McGuire'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 four (4) year pro-rated warranty. McGuire 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)
<input type="checkbox"/> CA-66	6' x 6'	<input type="checkbox"/> 25,000 CIR
<input type="checkbox"/> CA-68	6' x 8'	<input type="checkbox"/> 30,000 CIR
<input type="checkbox"/> CA-610	6' x 10'	<input type="checkbox"/> 35,000 CIR
<input type="checkbox"/> CA-656	6'6" x 6'	<input type="checkbox"/> 40,000 CIR
<input type="checkbox"/> CA-658	6'6" x 8'	<input type="checkbox"/> 45,000 CIR
<input type="checkbox"/> CA-6510	6'6" x 10'	<input type="checkbox"/> 50,000 CIR
<input type="checkbox"/> CA-76	7' x 6'	
<input type="checkbox"/> CA-78	7' x 8'	
<input type="checkbox"/> CA-710	7' x 10'	

Required Information

CUSTOMER	
JOB	
LOCATION	
NUMBER OF UNITS	
MODEL	
VOLTAGE/PHASE	
REPRESENTED BY	
SALES REP	

Check Options Desired

<input type="checkbox"/> 18" Lip	<input type="checkbox"/> Laminated Bumpers
<input type="checkbox"/> 20" Lip	<input type="checkbox"/> B410-14 (horizontal)
<input type="checkbox"/> Rubber Weather Seal	<input type="checkbox"/> VB420-11 (vertical)
<input type="checkbox"/> Brush Weather Seal	<input type="checkbox"/> 6" Thick Dock Bumpers
<input type="checkbox"/> 3-Wheel Fork Truck Protection (standard on 45,000 & 50,000 CIR units)	<input type="checkbox"/> Steel Faced
<input type="checkbox"/> iDock® Controls (with interlock capacity)	<input type="checkbox"/> TPR® Restraint
<input type="checkbox"/> Integrated Control Panel	<input type="checkbox"/> TPR® UniLock Restraint
<input type="checkbox"/> 5" High Standard Safety Barrier Lip	<input type="checkbox"/> STOP-TITE® Manual Restraint
<input type="checkbox"/> Pit Steel (6-piece curb angle set)	<input type="checkbox"/> STOP-TITE® Automatic Restraint
<input type="checkbox"/> Pit Steel (4 angle/2 bumper)	<input type="checkbox"/> UniChock™ Restraint
<input type="checkbox"/> Pit Kit (3 sided)	<input type="checkbox"/> UXL Restraint
<input type="checkbox"/> Pan Unit (4 sided)	<input type="checkbox"/> iDock® Alert Communication System
<input type="checkbox"/> Foam Insulation	<input type="checkbox"/> Wheel Chocks
<input type="checkbox"/> Special Color _____	Model# _____
<input type="checkbox"/> Yellow and Black Toe Guard Safety Tape	<input type="checkbox"/> Dock Light (no bulb)
	Model # _____

Certified for Construction

BY	
TITLE	
DATE	
COMPANY	
CITY & STATE	