

MA Series Air-Powered Leveler

Specification Sheet & Submittal

25K - 50K
CIR

6' - 7'
WIDTH

6' - 10'
LENGTH



Standard Features

115V single phase motor with simple plug end	B410-14 laminated dock bumpers
Lip-supporting service strut	Below dock end load capability
Push-button activation	Full width rear hinge mounted in compression with structural channel support
Safety yellow full-range toe guards	Integral maintenance strut is lockout/tagout compliant
Positive lip extension with yieldable lip	Subframe design allows for easy pit clean out
Structural C and I beam deck supports (45K and above)	Designed and manufactured in the USA

General Description

All McGuire MA Series Dock Levelers incorporate the use of a low pressure, high volume air system to raise and lower the platform. A single push button activates the air power system to raise the leveler and extend the lip. Systems, LLC is an active member of Loading Dock Equipment Manufacturers (LODEM), a product section of the Material Handling Industry. Unit conforms to OSHA, U.S. 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 MA 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 MA Series Leveler is controlled remotely from a wall mounted control panel. Arrays of optional control panel features are available. Leveler 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 a positive lip extension mechanism. Releasing the raise button allows the platform to float downward to the truck bed. No manual lifting is required. Leveler will automatically float with trailer movement. To store leveler with trailer in place push operate button till leveler starts to rise and lip falls pendant. Release operate button and leveler will float down into lip keepers. Elevated, frame mounted air bladder assembly keeps clear of debris that may accumulate in the pit. Service range is from 12" above to 12" below dock level. Lip keepers provide nighttime security and cross-traffic support. Full operating range toe guards are provided as standard. Maintenance prop with "Lockout/Tagout" capability is provided as standard. Factory finish includes rust inhibitive slate blue coat industrial grade finish. For special coating and colors are optional.

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. MA series can be equipped with 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 bumpers as standard. Optional sizes and types are available.

Vehicle Restraint Systems

McGuire MA Series air powered levelers can be equipped with an optional UniChock, UXL, STOP-TITE, TPR, or TPR UniLock series vehicle restraint or a 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

Electric blower motor shall be 115v single phase, 1400 watt drawing 11 amps at startup. 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 McGuire MA 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. The lifting system, including air bladder, seals, hoses and motor carry an additional full four (4) year warranty on parts. Structural components also carry an additional full 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"/> MA-66	6' x 6'	<input type="checkbox"/> 25,000 CIR
<input type="checkbox"/> MA-68	6' x 8'	<input type="checkbox"/> 30,000 CIR
<input type="checkbox"/> MA-610	6' x 10'	<input type="checkbox"/> 35,000 CIR
<input type="checkbox"/> MA-656	6'6" x 6'	<input type="checkbox"/> 40,000 CIR
<input type="checkbox"/> MA-658	6'6" x 8'	<input type="checkbox"/> 45,000 CIR
<input type="checkbox"/> MA-6510	6'6" x 10'	<input type="checkbox"/> 50,000 CIR
<input type="checkbox"/> MA-76	7' x 6'	
<input type="checkbox"/> MA-78	7' x 8'	
<input type="checkbox"/> MA-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"/> Yellow and Black Toe Guard Safety Tape
<input type="checkbox"/> 20" Lip	<input type="checkbox"/> Laminated Bumpers
<input type="checkbox"/> Rubber Weather Seal	<input type="checkbox"/> B410-14 (horizontal)
<input type="checkbox"/> Brush Weather Seal	<input type="checkbox"/> VB420-11 (vertical)
<input type="checkbox"/> 3-Wheel Fork Truck Protection (standard on 45,000 & 50,000 CIR units)	<input type="checkbox"/> 6" Thick Dock Bumpers
<input type="checkbox"/> Light Communication System	<input type="checkbox"/> Steel Faced
<input type="checkbox"/> Dock Alert (NEMA12)	<input type="checkbox"/> TPR® Restraint
<input type="checkbox"/> iDock 1.0 Alert	<input type="checkbox"/> TPR® UniLock Restraint
<input type="checkbox"/> iDock 2.0 Alert	<input type="checkbox"/> STOP-TITE® Manual Restraint
<input type="checkbox"/> Integrated Control Panel	<input type="checkbox"/> STOP-TITE® Automatic Restraint
<input type="checkbox"/> 5" High Standard Safety Barrier Lip	<input type="checkbox"/> UniChock™ Restraint
<input type="checkbox"/> Pit Steel (6-piece curb angle set)	<input type="checkbox"/> UXL Restraint
<input type="checkbox"/> Pit Steel (4 angle/2 bumper)	<input type="checkbox"/> Wheel Chocks Model# _____
<input type="checkbox"/> Pit Kit (3 sided)	<input type="checkbox"/> Dock Light (no bulb) Model # _____
<input type="checkbox"/> Pan Unit (4 sided)	
<input type="checkbox"/> Foam Insulation	
<input type="checkbox"/> Special Color _____	

Certified for Construction

BY	
TITLE	
DATE	
COMPANY	
CITY & STATE	