

# McGUIRE

A Division of Systems, LLC

# MA SERIES

## AIR POWERED LEVELER



MA Series, 7' x 8', 30,000 CIR, Shown

- ▶ Easy push button activation for smooth, consistent operation with an air powered system that provides for full float at all positions.
- ▶ Automatic lip extension with yieldable lip
- ▶ Below dock end load capability
- ▶ Full width rear hinge mounted in compression with structural channel support
- ▶ Single phase 115V motor with simple single button control
- ▶ Low maintenance design
- ▶ Integral maintenance strut is lockout/tagout compliant with lip support strut that also allows convenient servicing of the lip
- ▶ B410-14 Laminated Dock Bumpers
- ▶ Made 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. 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 McGuire.

**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.

**CONSTRUCTION:** The platform is constructed of ¼" thick 4-way high tensile 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.

**INSTALLATION:** Unit shipped completely assembled and ready for installation in preformed concrete pit. Pit construction to be in accordance with certified McGuire pit detail drawings. Contact McGuire for current cost and nearest distributor.

**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 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 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.

# DOCK LEVELER



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## AIR POWERED LEVELER

### Optional Equipment for MA Series Air Powered Leveler

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"/> VB424-11 (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"/> iDock® Controls (with interlock capability)                           | <input type="checkbox"/> Steel faced                        |
| <input type="checkbox"/> Integrated control panel  | <input type="checkbox"/> TPR® restraint                     |
| <input type="checkbox"/> 5" high standard safety barrier lip                                   | <input type="checkbox"/> TPR UniLock® restraint             |
| <input type="checkbox"/> Pit steel (6 piece curb angle set)                                    | <input type="checkbox"/> STOP-TITE® restraint (manual)      |
| <input type="checkbox"/> Pit steel (4 angle/2 bumper)  | <input type="checkbox"/> STOP-TITE® restraint (automatic)   |
| <input type="checkbox"/> Pit kit (3 sided)   | <input type="checkbox"/> iDock® Alert Communication System  |
| <input type="checkbox"/> Pan unit (4 sided)  | <input type="checkbox"/> Wheel chocks model # _____         |
| <input type="checkbox"/> Foam insulation   | <input type="checkbox"/> Dock light (no bulb) model # _____ |
| <input type="checkbox"/> Special color _____   | <input type="checkbox"/> _____                              |
| <input type="checkbox"/> Yellow and black toe guard safety tape                                | <input type="checkbox"/> _____                              |

### Dimensions and Capacities

Select a Model and a Capacity

MA MODEL - NOMINAL SIZE		CAPACITY-COMPARATIVE INDUSTRY RATING (CIR)	
<input type="checkbox"/> MA-66 6' x 6'	<input type="checkbox"/> MA-6510 6'6" x 10'	<input type="checkbox"/> 25,000 LBS. CIR	
<input type="checkbox"/> MA-68 6' x 8'	<input type="checkbox"/> MA-76 7' x 6'	<input type="checkbox"/> 30,000 LBS. CIR	
<input type="checkbox"/> MA-610 6' x 10'	<input type="checkbox"/> MA-78 7' x 8'	<input type="checkbox"/> 35,000 LBS. CIR	
<input type="checkbox"/> MA-656 6'6" x 6'	<input type="checkbox"/> MA-710 7' x 10'	<input type="checkbox"/> 40,000 LBS. CIR	
<input type="checkbox"/> MA-658 6'6" x 8'		<input type="checkbox"/> 45,000 LBS. CIR	
		<input type="checkbox"/> 55,000 LBS. CIR	

Customer: \_\_\_\_\_  
 Job: \_\_\_\_\_  
 Location: \_\_\_\_\_  
 Number of Units: \_\_\_\_\_  
 Model: \_\_\_\_\_  
 Voltage/Phase: \_\_\_\_\_  
 Represented By: \_\_\_\_\_  
 Sales Rep: \_\_\_\_\_

Certified for Construction:  
 By: \_\_\_\_\_  
 Title: \_\_\_\_\_  
 Date: \_\_\_\_\_  
 Company: \_\_\_\_\_  
 City: \_\_\_\_\_  
 State: \_\_\_\_\_

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Consistent with our policy of continuing product improvement, we reserve the right to change product specifications without notice or obligation.

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