

# VSH® Vertical Storing Leveler

## Specification Sheet & Submittal

**40K - 50K**  
CIR

**6' - 7'**  
WIDTH

**5' - 12'**  
LENGTH



### Standard Features

Stores in upright position completely inside exterior door	3" high run off guards and dual maintenance prop are standard
Safety stored blue indicator light	Mechanical lock for redundant safety
Power up and power down control with free float-entire service range	Structural steel deck support member
Easily accessible to under deck for cleaning	10" above and 8" below dock service range standard
Ideal for sanitation, security and safety	Designed and manufactured in the USA
Push button release of storage prop	

### General Description

All McGuire VSH Series dock levelers incorporate the use of hydraulics to raise and lower both the platform and lip. store vertically "inside" the building. The overhead door closes in front of the leveler substantially reducing energy loss often associated with a conventional pit style leveler. 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 is 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. Platforms are reinforced and supported by full length structural "C" channels and wide flanged "I" beams sized properly for 40,000, 45,000 and 50,000 lbs Comparative Industry Rating (CIR) units --welded to deck and front and rear headers for firm structural support. Front and rear header plates are ½" thick, hot rolled steel. VSH series lips are 4-way safety tread plate. The 40,000 CIR is 5/8" thick, the 45,000 and 50,000 CIR are ¾" thick. The standard lip length is 20". Hinge tubes are 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. All units have grease fittings as standard. All platforms are designed to compensate for up to 4" of canted trailer bed.

### Operation

The VSH Series Lever is controlled remotely from a multiple push button control panel that includes raise, lower and lip control buttons. Lip control button allows independent extension and retraction of the lip. Power-up and power-down requires constant pressure on the controls or unit stops in place for added safety. Service range of 10" above to 8" below dock level is standard on all units. 3" run off guards are provided each side of platform as standard. Dual maintenance struts are standard. Factory finish includes rust inhibitive prime coat industrial grade finish. Special coating and colors are optional.

### Hydraulics

Platform is raised by a main hydraulic cylinder; all hydraulic hoses are routed under the leveler platform, away from debris. Hoist cylinder is a 3 ½" ID bore with anti-corrosive rod coating. Main cylinder is equipped with a flow control valve to meter the decent of the ramp. Lip operation is controlled by a hard chrome plated cylinder having a 2 ½" ID bore. Motor pump is deck mounted or remote mounted for easy access.

## Safety Equipment

3" high run off guards are included on either side of platform. Dual maintenance struts on sides of platform for added safety are released via push button. Raise and lower push buttons are constant pressure type and unit halts in place if button is released. The VSH leveler locks in the stored position mechanically and hydraulically. The mechanical lock is automatically released by the lower button.

## Colors

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

## Dock Bumpers

Two B412-14 laminated 4 1/2" thick x 12" high x 14" wide bumpers are included. Two VB420-11F vertical laminated 4 1/2" thick x 20" high x 11" wide with bumper bracket assembly are recommended. Optional sizes and types are available

## Vehicle Restraint Systems

McGuire VSH Series vertical storing hydraulic levelers can be equipped with 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

Hydraulic pump motor either 1 1/2 HP TENV at 120v or 208v, single phase or at 208v, 230v, 460v, or 575v three phase. Electrical control panel is Nema 12 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 VSH Series models feature a full one (1) year base warranty on all structural, hydraulic and electrical parts, including freight and labor charges in accordance with McGuire's Standard Warranty Policy. Structural and hydraulic components carry an additional full four (4) year extended warranty with parts and labor. 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 NOMINAL SIZE	CIR (Comparative Industry Rating)
<input type="checkbox"/> VSH-65 6' x 5'	<input type="checkbox"/> 40,000 CIR
<input type="checkbox"/> VSH-66 6' x 6'	<input type="checkbox"/> 45,000 CIR
<input type="checkbox"/> VSH-68 6'6" x 8'	<input type="checkbox"/> 50,000 CIR
<input type="checkbox"/> VSH-655 6'6" x 5'	
<input type="checkbox"/> VSH-656 6'6" x 6'	
<input type="checkbox"/> VSH-658 6'6" x 8'	
<input type="checkbox"/> VSH-75 7' x 5'	
<input type="checkbox"/> VSH-76 7' x 6'	
<input type="checkbox"/> VSH-78 7' x 8'	

## Required Information

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

### Check Options Desired

### Optional Equipment

- |  |   |
|--|---|
| <input type="checkbox"/> Grease Fittings                                       | <input type="checkbox"/> TPR® Restraint                 |
| <input type="checkbox"/> Lip Keepers   | <input type="checkbox"/> TPR® UniLock Restraint         |
| <input type="checkbox"/> 18" Lip   | <input type="checkbox"/> STOP-TITE® Manual Restraint    |
| <input type="checkbox"/> 20" Lip   | <input type="checkbox"/> STOP-TITE® Automatic Restraint |
| <input type="checkbox"/> Integrated Controls                                   | <input type="checkbox"/> UniChock™ Restraint            |
| <input type="checkbox"/> Leveler Stored Indicator Light                        | <input type="checkbox"/> UXL Restraint                  |
| <input type="checkbox"/> Deck Mounted Motor                                    | <input type="checkbox"/> Light Communication System     |
| <input type="checkbox"/> Remote Mounted Motor                                  | <input type="checkbox"/> Dock Alert (NEMA12)            |
| <input type="checkbox"/> Hoise Cylinder Embed Plate                            | <input type="checkbox"/> iDock 1.0 Alert                |
| <input type="checkbox"/> Gusseted Bumper Brackets with Load Distribution Plate | <input type="checkbox"/> iDock 2.0 Alert                |
| <input type="checkbox"/> Laminated Bumpers                                     | <input type="checkbox"/> Wheel Chocks                   |
| <input type="checkbox"/> VB420-11  | Model# _____  |
| <input type="checkbox"/> VB424-11  | <input type="checkbox"/> Dock Light (no bulb)           |
| <input type="checkbox"/> 6" Thick Door Bumpers                                 | Model # _____   |
| <input type="checkbox"/> Steel-Faced Dock Bumpers                              |   |

## Certified for Construction

BY	
TITLE	
DATE	
COMPANY	
CITY & STATE	