

RRH Series, Hydraulic Rail Ramp Leveler

Specification Sheet & Submittal



40K - 60K
CIR

8' - 9'
WIDTH

5' - 8'
LENGTH

Standard Features

Push-button activation	Rear embed channel with factory installed track
Structural steel support members	5" high run-off guards with telescoping arms for end-loads
Power-up, power-down and lip controls	Transformer for single incoming power feed
Free float range	Roller trolley assembly for lateral movement
Dual maintenance prop	Designed and manufactured in the USA
20" standard lip	

General Description

All McGuire RRH Series dock levelers incorporate the use of hydraulics to raise and lower both the platform and lip. A single push button activates a hydraulic pump for operating both lip and hoist cylinders. McGuire RRH Series Hydraulic Railcar Ramps store vertically on the exterior dock edge of the building. A "Track and Trolley" 10' wide rear channel assembly permits the lateral movement of the ramp to align with a spotted railcar. 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 is manufactured by McGuire.

Construction

The platform is constructed of ¼" thick 4-way high tensile 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, 50,000 and 60,000-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. RRH series lips are 4-way safety tread plate. The 40,000 CIR is 5/8" thick, the 50,000 and 60,000 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 1/2" wall depending on CIR. All lip hinge pins are 1" diameter M1044 steel. All units have grease fittings as standard.

Operation

The RRH 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 controls or unit stops in place for added safety. Leveler has free float in the working range for additional safety. The RRH has a standard service range of above dock and below dock. Standard 5" high run-off guards with telescoping supports for end-loading are included on all platforms. 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. Hoist cylinder is a hard chrome-plated design with a 3 ½" ID bore and anti-corrosive rod coating. Main cylinder is equipped with a flow control valve to meter descent of the ramp. Lip operation is controlled by a hard chrome plated cylinder having a 2 ½" ID bore. Motor pump is carriage mounted or remote mounted for easy access.

Safety Equipment

5" hinge run off guards with telescoping arms for end loads are included on either side of platform. Built in dual maintenance struts are standard. Raise and lower push buttons are constant pressure type and unit halts in place if released. A hoist cylinder flow control valve meters the descent of the ramp.

Colors

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

Electrical

Hydraulic pump motor either 1½ 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 RRH 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. 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.

Order Specifications

Dimensions and Capacities

Select a Model and a Capacity

MODEL NOMINAL SIZE	DYNAMIC CAPACITY / CIR (Comparative Industry Rating)
☐ RRH-6.0 6'	☐ 20,000 / 40,000 CIR
☐ RRH-6.5 6.5'	☐ 25,000 / 50,000 CIR
☐ RRH-7.0 7'	☐ 30,000 / 60,000 CIR
☐ RRH-7.5 7.5'	
☐ RRH-8.0 8'	
☐ RRH-8.5 8.5'	
☐ RRH-9.0 9'	

Required Information

CUSTOMER	
JOB	
LOCATION	
NUMBER OF UNITS	
MODEL	
SIZE	
REPRESENTED BY	
SALES REP	

Check Options Desired

Optional Equipment

- | | |
|---|---|
| ☐ Grease Fittings | ☐ Dock Light Model # |
| ☐ Integrated Controls | ☐ Inflatable Shelter Selector Controls (On/Off) |
| ☐ Remote Pendant Controls on Coil Cord | ☐ Inflatable Shelter Selector Controls (On/Off/Auto) |
| ☐ Leveler Stored Indicator Light | ☐ Hydraulic Side Shifting Cylinder (up to 24') |
| ☐ Additional Track Length | |
| ☐ Other | |
| ☐ Other | |
| ☐ Other | |
| ☐ Deck Mounted Motor | |
| ☐ Remote Mounted Motor | |
| ☐ CentraPower | |

Certified for Construction

BY	
DATE	
COMPANY	
CITY & STATE	
VOLTAGE / PHASE	
DRAWING #	
TRACK CENTER LINE DIMENSION	