

Hydraulic Railcar Ramp Dock Leveler

Specification Sheet & Submittal



40K - 60K
CIR

8' - 9'
WIDTH

5' - 8'
LENGTH

Standard Features

5" high end run-off guards with telescoping arms	Rear embed channel with factory installed track
Dual-maintenance prop	Structural steel support members
Free-float range	Transformer for single incoming power feed
Power-up and down controls	Designed and manufactured in the USA

General Description

Poweramp RCR 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 the ramp with spotted railcar. The RCR series leveler is a premium, fully hydraulic, rail ramp with independent control over leveler ramp and lip. Unit is controlled remotely from a wall mounted control panel.

A multiple push button station permits independent raising and lowering of the dock and extending and retraction of the lip. The width of the unit can be sized for virtually any rail car door width and material handling equipment. 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 standards CS202-56 and is manufactured in compliance with American National Standard of Safety Performance and Testing of Dock Leveling Devices (ANSI) MH30.1. Unit manufactured by Systems, Inc.

Standard Operation Features

Infinite control of the leveler and lip are standard with our multiple push button station. Power-up and power-down "dead man" control features enhance operator control and safety. Free float of the lever in the "working range" reduces the potential hazards associated with safely transitioning wheeled equipment with a non-floating power down system. A service range of above dock and below dock is standard on all railcar levelers. 5" high run-off guards with telescoping supports for end-loading are standard on all platforms. Dual maintenance props are provided with each ramp for safe, long term, storage of ramp during installation or servicing or equipment. Factory finish includes rust inhibitive prime coat industrial grade finish.

Construction

The platform is constructed of ¼" thick 4-way high tensile 50,000 minimum yield A572 steel safety treadplate. Platform is reinforced and supported by full-length structural "C" channels and wide flanged "I" beams. Front and rear header plate is ½" thick, hot rolled steel. Lip plate is constructed using 4-way safety treadplate. 40,000 lb Comparative Industry Rating (CIR) are 5/8" thick, the 50,000 lb 60,000 lb CIR is 3/4" thick. Hinge tubes are 1 7/8" x 3/8" wall or 2 1/8" x 1/2" wall with 1" M1044 steel hinge pin depending on capacity. 20" lip length is standard on all rail ramp levelers.

Hydraulics

A fixed displacement gear pump delivers fluid to the hoist and lip cylinder. Hydraulic system can be deck mounted or installed in remote location. Hoist cylinder is 3.5" ID bore with nitrotec anti-corrosion rod coating. Lip operation is controlled by a cylinder having a 2 ½" ID bore. Lip cylinder is nickel plated for extended durability. Hoist cylinder is equipped with a flow control valve which meters the decent of the ramp.

Electrical

Electrical pump and motor are either 1 ½ HP TENV at 120v single phase or 208v, 230v, 460v or 575v three phase. Electrical control panel is NEMA 12 enclosure. All 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 POWERAMP RCR 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 Systems, Inc's Standard Warranty Policy. Systems, Inc. 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	CIR (Comparative Industry Rating)
☐ RCR-6.0 6'	☐ 40,000 CIR
☐ RCR-6.5 6.5'	☐ 50,000 CIR
☐ RCR-7.0 7'	☐ 60,000 CIR
☐ RCR-7.5 7.5'	
☐ RCR-8.0 8'	
☐ RCR-8.5 8.5'	
☐ RCR-9.0 9'	

Required Information

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

Check Options Desired

☐ Grease Fittings	☐ CentraPower
☐ 16" Lip (Consult Factory)	☐ Dock Light Model #
☐ 18" Lip (Consult Factory)	
☐ 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	

Certified for Construction

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