

HM Series Mechanical Leveler

Specification Sheet & Submittal



**30K - 50K
CIR**

**6' - 7'
WIDTH**

**6' - 10'
LENGTH**

Standard Features

11-tooth, hold-down/float assembly	Yieldable lip plate
Cam control counter balance assembly	Below dock end loading capability
Grease fittings	CleanSweep frame design
Lip drive positive lip extension	Four-sided box construction deck assembly
Lip-supporting service strut	Lockout/tagout maintenance strut
Multiple position safety stop	Night locks/cross traffic support
Working-range toe guards	Designed and manufactured in the USA

General Description

All Poweramp® HM Series dock levelers incorporate the use of mechanical components to raise and lower both the platform and 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, 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 Systems, LLC.

Standard Operation Features

The HM Series Leveler is shipped completely assembled and ready for use, once permanently installed in pre-formed pits. Leveler to be operated by pulling and holding ring at rear of ramp; unit will raise and lip will extend and hold. No manual lifting is required. Unit is powered by extension springs and guided by CamControl™ counter balance assembly. Operator to walk ramp down to truck bed. Hold-down and float mechanism will hold ramp in place and will float with trailer movement. To store leveler while truck is in place, feather the release chain until lip folds and is clear of truck, then walk ramp down into lip keepers. Service range is from 12" above to 12" below dock level. Lip keepers are welded to frame and members providing nighttime security and cross-traffic support. Maintenance prop with "Lockout Tagout" capability is provided as standard. Factory finish includes rust inhibitive prime coat industrial grade finish. Special coating and colors are optional. Each HM Series leveler is shipped with two (2) 4 1/2" thick x 10" high x 14" wide laminated bumpers as standard.

Construction

The platform is constructed of $\frac{1}{4}$ " thick 4-way high strength, low alloy 50,000 minimum yield A572 steel safety treadplate. Platform is reinforced and supported by full-length roll formed "C" channels for 30,000 lb. CIR and supported by full-length structural "C" channels and/or "I" beams for 35,000, 40,000, 45,000, and 50,000 lb CIR capacity units. Front and rear header plate is of either $\frac{1}{2}$ " x 7" or $\frac{1}{2}$ " x 8" hot rolled steel. POWERAMP HM Series lips are made of 4-way safety treadplate, the 30,000, 35,000 and 40,000 lb Comparative Industry Rating (CIR) are $\frac{5}{8}$ " thick, and the 45,000 and 50,000 lb CIR are $\frac{3}{4}$ " thick. The standard lip length is 16" on all capacities. Hinge tubes are 1 3/4" OD x 5/16" wall, 1 7/8" x 3/8" wall, or 2 1/8" x 1/2" wall, depending upon CIR. All lip hinge pins are 1" M1044 steel. Steel lip gusset are standard on 50,000 lb CIR models. Steel header gussets are standard on all models 35,000 lb CIR and above. All platforms are designed to compensate for up to 4" of canted truck beds.

Operation

The Poweramp HM Series Leveler is manually operated simply by pulling the release chain to raise the leveler and automatically extend the lip. The attendant walks the platform down onto the trailer bed. The standard lip is 16", with an operating range of 12" above and below dock level. The platform is designed to compensate for canted truck beds up to 4" and remain flush with the dock floor.

Warranty

All Poweramp HM Series models feature a full one (1) year base warranty on all structural and mechanical parts, including freight and labor charges in accordance with Systems, LLC's Standard Warranty Policy. Structural components carry an additional nine (9) year pro-rated warranty. Systems, LLC 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 (Comparative Industry Rating)
<input type="checkbox"/> HM-66 6' x 6'	<input type="checkbox"/> 30,000 CIR
<input type="checkbox"/> HM-68 6' x 8'	<input type="checkbox"/> 35,000 CIR
<input type="checkbox"/> HM-610 6' x 10'	<input type="checkbox"/> 40,000 CIR
<input type="checkbox"/> HM-656 6'6" x 6'	<input type="checkbox"/> 45,000 CIR
<input type="checkbox"/> HM-658 6'6" x 8'	<input type="checkbox"/> 50,000 CIR
<input type="checkbox"/> HM-6510 6'6" x 10'	
<input type="checkbox"/> HM-76 7' x 6'	
<input type="checkbox"/> HM-78 7' x 8'	
<input type="checkbox"/> HM-710 7' x 10'	

Required Information

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

Check Options Desired

Optional Equipment

- PowerHook® Restraint (S.C.)
- TPR® Restraint
- TPR UniLock® Restraint
- PowerStop® Restraint (manual)
- PowerStop® Restraint (auto)
- UniChock™ Restraint
- UXL Restraint
- 18" Lip
- 20" Lip
- Light Communication System
 - Dock Alert (NEMA12)
 - iDock 1.0 Alert
 - iDock 2.0 Alert
- Pit Steel (6 piece curb angle set)
- Pit Steel (4/angle,2/bumper)
- Pit Kit (3 sided)
- Pan Unit (4 sided)

- Foam Insulation
- Special Color _____
- Full Range Toe Guards
- Brush Weather seal
- Rubber Weather seal
- Vertical Bumpers (laminated)
 - VB420-11 VB424-11
- 6" Thick Dock Bumpers
- Wheel Chocks Model # _____
- Dock Light (no bulb) Model # _____
- 3-wheel Fork Truck Protection
- Other _____
- Other _____

Certified for Construction

BY	
DATE	
COMPANY	
CITY & STATE	