

HM Series Mechanical Dock Leveler Specification Sheet and Submittal



HM Series 7' x 8' 50,000 CIR, Full Range Toe Guards, Clean Sweep Frame Shown

STANDARD FEATURES FOR THE HM SERIES MECHANICAL DOCK LEVELER

- Structural Steel Support Members
- Multi-position Structural Steel Safety Legs
- Below Dock Endloading Control
- Extended Range Float/Hold-down Mechanism
- Yieldable Lip Plate
- CamControl Counter Balance Assembly
- Lip Drive Positive Lip Extension
- Clean Sweep Frame
- Lockout Tagout Maintenance Strut
- Night Locks/Cross Traffic Support
- 3-wheel Fork Truck Protection
- Lip Supporting Service Strut
- Working Range Toe Guards
- Grease Fittings
- Two (2) B-410-14 Laminated Bumpers



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GENERAL DESCRIPTION: All POWERAMP® HM Series dock levelers incorporate the use of mechanical components to raise and lower both the platform and lip. 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 manufactured by Systems, Inc.

CONSTRUCTION: The platform is constructed of 1/4" 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/or "I" beams. Front and rear header plate is of either 1/2" x 7" or 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 5/8" thick, and the 45,000 and 50,000 lb CIR are 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.

STANDARD OPERATIONAL 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.

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

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, Inc's Standard Warranty Policy. Structural components carry an additional nine (9) year pro-rated warranty. 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. Additional warranty extensions may be available upon approved submittal of application information.

Dimensions and Capacities	
Select a Model and a Capacity	
MODEL - NOMINAL SIZE	DYNAMIC / COMPARATIVE CAPACITY / INDUSTRY RATING
<input type="checkbox"/> HM-66 6' x 6'	
<input type="checkbox"/> HM-68 6' x 8'	
<input type="checkbox"/> HM-610 6' x 10'	<input type="checkbox"/> 15,000/30,000 lbs.
<input type="checkbox"/> HM-656 6'6" x 6'	<input type="checkbox"/> 17,500/35,000 lbs.
<input type="checkbox"/> HM-658 6'6" x 8'	<input type="checkbox"/> 20,000/40,000 lbs.
<input type="checkbox"/> HM-6510 6'6" x 10'	<input type="checkbox"/> 22,500/45,000 lbs.
<input type="checkbox"/> HM-76 7' x 6'	<input type="checkbox"/> 25,000/50,000 lbs.
<input type="checkbox"/> HM-78 7' x 8'	
<input type="checkbox"/> HM-710 7' x 10'	

Optional Equipment for HM Series Mechanical Dock Levelers	
(Check options desired)	
<input type="checkbox"/> PowerHook® Restraint (s.c.)	<input type="checkbox"/> Special Color _____
<input type="checkbox"/> PowerHold® Restraint (s.c.)	<input type="checkbox"/> Full Range Toe Guards
<input type="checkbox"/> TPR® Restraint	<input type="checkbox"/> Brush Weather seal
<input type="checkbox"/> TPR® UniLock Restraint	<input type="checkbox"/> Rubber Weather seal
<input type="checkbox"/> PowerStop® Restraint (manual) (S.C.)	<input type="checkbox"/> Vertical Bumpers (laminated)
<input type="checkbox"/> PowerStop® Restraint (automatic) (S.C.)	<input type="checkbox"/> VB420-11 <input type="checkbox"/> VB424-11
<input type="checkbox"/> 18" Lip	<input type="checkbox"/> 6" Thick Dock Bumpers
<input type="checkbox"/> 20" Lip	<input type="checkbox"/> Wheel Chocks Model # _____
<input type="checkbox"/> Dock Alert Communication System	<input type="checkbox"/> Dock Light (no bulb) Model # _____
<input type="checkbox"/> Pit Steel (6 piece curb angle set)	<input type="checkbox"/> Other _____
<input type="checkbox"/> Pit Steel (4/angle,2/bumper)	<input type="checkbox"/> Other _____
<input type="checkbox"/> Pit Kit (3 sided)	<input type="checkbox"/> Other _____
<input type="checkbox"/> Pan Unit (4 sided)	<input type="checkbox"/> Other _____
<input type="checkbox"/> Foam Insulation	<input type="checkbox"/> Other _____

<p>Customer: _____</p> <p>Job: _____</p> <p>Location: _____</p> <p>Number of Units: _____</p> <p>Model: _____</p> <p>Size: _____</p> <p>Represented By: _____</p> <p>SalesRep: _____</p>	<p>Certified For Construction:</p> <p>By: _____</p> <p>Date: _____</p> <p>Company: _____</p> <p>City & State: _____</p>
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A continuing product improvement process is in effect at Systems, Inc. as such, we reserve the right to make product changes without prior notice.