

CM Series Mechanical Dock Leveler Specification Sheet and Submittal



CM Series 6' x 8' 30,000 CIR, Full Range Toe Guard Shown

STANDARD FEATURES FOR THE CM SERIES MECHANICAL DOCK LEVELER

- Box Construction Deck Assembly
- Multi-position Structural Steel Safety Legs
- Extended Range Float/Hold-down Mechanism
- Yieldable Lip Plate
- CamControl Counter Balance Assembly
- Lip Drive Positive Lip Extension
- Lockout Tagout Maintenance Strut
- Night Locks/Cross Traffic Support
- Working Range Toe Guards
- Grease Fittings
- Two (2) DB-13 Molded Rubber Bumpers



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GENERAL DESCRIPTION: All POWERAMP® CM 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 3/16" or 1/4" thick 4-way high tensile 50,000 minimum yield A572 steel safety treadplate. Platform is reinforced and supported by full-length roll formed "C" channels. Front and rear header plate is of 1/2" x 7" hot rolled steel. POWERAMP CM Series lips are made of 4-way safety treadplate, the 25,000 lb Comparative Industry Rating (CIR) are 1/2" thick, the 30,000 lb CIR are 5/8" thick. The standard lip length is 16" on all capacities. Hinge tubes are 1 3/4" OD x 5/16" wall, lip hinge pins are 1" M1044 steel. All platforms are designed to compensate for up to 4" of canted truck beds.

STANDARD OPERATIONAL FEATURES: The CM 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 CM Series leveler is shipped with two (2) 4" thick x 10" high x 13" wide DB-13 molded rubber 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 CM 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"/> CM-66 6' x 6'	<input type="checkbox"/> 12,500/25,000 lbs. <input type="checkbox"/> 15,000/30,000 lbs.
<input type="checkbox"/> CM-68 6' x 8'	
<input type="checkbox"/> CM-610 6' x 10'	
<input type="checkbox"/> CM-656 6'6" x 6'	
<input type="checkbox"/> CM-658 6'6" x 8'	
<input type="checkbox"/> CM-6510 6'6" x 10'	
<input type="checkbox"/> CM-76 7' x 6'	
<input type="checkbox"/> CM-78 7' x 8'	
<input type="checkbox"/> CM-710 7' x 10'	

Optional Equipment for CM Series Mechanical Dock Levelers (Check options desired)	
<input type="checkbox"/> PowerHook® Restraint (s.c.)	<input type="checkbox"/> Full Range Toe Guards
<input type="checkbox"/> PowerHold® Restraint (s.c.)	<input type="checkbox"/> Below Dock Endload
<input type="checkbox"/> TPR® Restraint	<input type="checkbox"/> Lip Supporting Service Strut
<input type="checkbox"/> TPR® UniLock Restraint	<input type="checkbox"/> Clean Sweep Frame
<input type="checkbox"/> PowerStop® Restraint (manual) (S.C.)	<input type="checkbox"/> Brush Weather seal
<input type="checkbox"/> PowerStop® Restraint (automatic) (S.C.)	<input type="checkbox"/> Rubber Weather seal
<input type="checkbox"/> 18" Lip	<input type="checkbox"/> Laminated Bumpers B410-14
<input type="checkbox"/> 20" Lip	<input type="checkbox"/> Vertical Bumpers (laminated) <input type="checkbox"/> VB420-11 <input type="checkbox"/> VB424-11
<input type="checkbox"/> Dock Alert Communication System	<input type="checkbox"/> 6" Thick Dock Bumpers
<input type="checkbox"/> 3-wheel Fork Truck Protection	<input type="checkbox"/> Wheel Chocks Model # _____
<input type="checkbox"/> Pit Steel (6 piece curb angle set)	<input type="checkbox"/> Dock Light (no bulb) Model # _____
<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 _____
<input type="checkbox"/> Special Color _____	<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.