

Rite-Hite Mechanical Dock Leveler (RHM4000)

MECHANICAL DOCK LEVELERS 11160

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PART 1 - GENERAL

- 1.1 CONDITIONS SPECIFIED ELSEWHERE: Section 010000 - General Requirements.
- 1.2 SUBMIT SHOP DRAWINGS showing pit dimension (length, width and depth) and anchorage of curb angle and embedded plates.
- 1.3 SUBMIT 3 copies of manufacturer's owner's manual, maintenance manual and master service manual to the A/E. Also, provide manufacturer's maintenance videotape at same time.
- 1.4 WARRANTY: Proposals submitted without the following written warranties will be considered non-responsive. Standard warranty shall be 5 year parts and 1 year labor with an extended warranty as listed below.
 - 1.4.1 This warranty is based on a standard fork lift truck operating procedure. A standard procedure is; no load shall exceed the rated lift capacity of the truck, and no load shall be pre-staged or stacked and pushed or pulled over the dock leveler into or out of the truck.
 - 1.4.2 Dock leveler manufacturer shall provide with his bid a written 10-20 year money back warranty on dock levelers. Warranty shall be based on the following criteria:

Gross weight of fork lift and load shall not exceed _____ lbs. (See attached fork lift truck wheel foot print data sheet.)

User's operation shall not exceed _____ full truckloads per 24-hour period over any one dock position.

Lift truck speed shall be no more than 5 mph. Leveler grade shall be no more than the recommended grade as determined by the material handling equipment manufacturer and never more than 7.17%.
- 1.4.3 Dock leveler parts covered under the warranty shall include:

Lip Assembly
Rear Hinges and Hinge Pins
Imbedded Frame
Platform Assembly

Front Hinge Assembly
Main Lifting Springs
Front Hinge and Hinge Pins

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PART 1 - GENERAL (continued)

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- 1.4.4 In addition to all other warranties, the manufacturer shall warrant that the equipment will perform in a manner satisfactory to the Owner for a period of 12 months after date of installation. If Owner is not then satisfied with the performance of the equipment, the Owner may notify the manufacturer, and the manufacturer shall remove the equipment and refund the equipment purchase price to the Owner. This warranty shall be provided by the manufacturer in writing at the time of bid.

PART 2 - PRODUCTS

- 2.1 MECHANICAL DOCK LEVELERS shall be manufactured by Rite-Hite, or an approved substitute. Dock levelers shall be sized by the manufacturer to meet the warranty requirements specified herein.

NOTE TO SPECIFIER: Size and operating range apply to a typical leveler. Select proper dimensions from manufacturer's literature. Length of leveler specified to be determined by specifier based on range of trucks being serviced and recommended grade as determined by material handling equipment.

- 2.1.1 Recessed adjustable dock levelers shall be _____ wide x _____ long, with a minimum _____ lip and a _____ lb. capacity rating. Unit to have an operational range of 12" above and below dock level. Equip each unit with two (2), 12" high x 4" deep molded dock bumpers
- 2.1.2 Dock leveler shall meet ANSI MH30.1-2000 test load specifications with proper documentation from a 3rd party.
- 2.1.3 Platform shall have a minimum of (8) interior deck beams plus external working range toeguards.
- 2.1.4 Provide safety stops to limit fall of platform to 3" and 7" below dock. Safety stops to be integral part of manufacturer's standard dock levelers.
- 2.1.5 Toeguard thickness is 11 gage (0.120 inch).
- 2.1.6 Ramp control to have a 9 tooth pawl and ratchet bar for positive engagement through full working range.
- 2.1.7 Positive acting Safe-T-Strut maintenance support system will support lip and deck. This system must withstand a 10,000 lb. moving load and provide OSHA approved lock-out/tag-out capabilities.

PART 2 – PRODUCTS (continued)

- 2.1.8 Levelers shall have ramp flex of 4” to compensate for unlevel trailer beds. Rear hinges shall be fixed and shall not raise above floor level.
- 2.1.9 Lip assist system shall provide positive lip extension and shall be yieldable.

PART 3 - EXECUTION

- 3.1 INSTALLER shall examine the substrate and conditions under which dock levelers are to be installed and notify the A/E and Contractor in writing of any conditions detrimental to the proper and timely completion of the work. Do not proceed with the work until unsatisfactory conditions have been corrected in a manner acceptable to the installer.
- 3.2 DOCK LEVELER MANUFACTURER’S REPRESENTATIVE shall install dock levelers in accordance with approved shop drawings and manufacturer’s recommendations. Location of dock levelers shall be indicated on drawings. Exact locations of signs, lights, and control boxes for the truck restraining devices shall be as approved by the A.E.
- 3.3 SHIM DOCK LEVELERS as necessary; weld into pit.
- 3.4 ADJUST UNITS to operate smoothly.
- 3.5 AFTER INSTALLATION is completed, a representative of the manufacturer shall examine the installation and require that all connections and adjustments necessary to assure proper operation of dock levelers be made. Before acceptance, a demonstration shall be conducted in the presence of the Owner’s representative to guarantee that all levelers operate properly in every respect. In addition, a detailed user/operator training session shall be conducted at time and place agreed upon by owner’s representative and manufacturer’s representative.