

# BHED Series Truck Service

## Hydraulic Edge of Dock Leveler

20,000 lb.; 25,000 lb.; 30,000lb. and 35,000 lb. Dynamic Capacities

Beacon Industries, inc.

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### ARCHITECTURAL SPECIFICATIONS

#### GENERAL

The BHED Series face mount Hydraulic Edge of Dock Leveler is available in one heavy duty style. The BHED Series – Two movement with 15" lip.

#### DESCRIPTION

Adjustable Hydraulic Edge of Dock Leveler with two movements: (1) up, (2) down.

Hydraulic Edge of Dock Leveler to be \_\_\_\_\_ inches long x \_\_\_\_\_ inches wide with a capacity of \_\_\_\_\_ lbs.

Solid-state technology provides easy activation and recycling of deck and lip cylinders. Fully automatic return feature lowers the BHED back into stored position immediately upon truck departure. BHED Series Levelers provide an operating range of 5" above and 5" below dock with a minimum lip projection of 12-3/4" and an overall span of 27-3/4". Deck and lip are constructed of 55,000 lb. minimum yield steel tread plate. Grease fittings on continuous lip hinge are standard with each unit. Hydraulic Edge of Dock Leveler are equipped with 2 formed steel gussets for structural support in the stored position. Hydraulic Edge of Dock Leveler to meet or exceed the performance requirements of CS202-56., O.S.H.A., and A.N.S.I. MH14.1 – 1984.

#### DIMENSIONS

Deck Widths: 66", with Overall Length 104"

Deck Widths: 72", with Overall Length 110"

Deck Widths: 78", with Overall Length 116"

Deck Widths: 84", with Overall Length 122"

#### SCOPE

The specification describes a rotary switch controlled hydraulic operated edge of dock leveler to be installed on the face of a loading dock. System features dual Deck and Lip Cylinders providing a smooth, quiet and dependable operation.

#### OPERATION

The Beacon BHED Hydraulic Edge of Dock Leveler are simple to operate with a single rotary switch activation that allows a one person operation. The deck raises and lip extends smoothly onto truck bed hydraulically.

Unit is easily recycled with truck in position and automatically returns to stored position upon truck departure.

The BHED recycles while the truck is at the dock with the twist of the rotatory switch or automatically upon truck departure

#### CONSTRUCTION

The capacities of the BHED are available in 20,000, 25,000, 30,000 and 35,000 lbs.

The deck and lip are constructed with 55,000 lb. yield steel tread plate. Simple to operate utilizing a two hydraulic cylinder design that provides reliable operation and performance. Supplied with two steel bump blocks with molded rubber bumpers to protect the dock face from truck damage. Features continuous hinged design with grease fittings.

#### ELECTRIC HYDRAULIC

The BHED series electro hydraulic unit is standard with a complete 1/2 HP, 115 Vac, 1 Ph, 60 Hz. totally enclosed, non ventilated industrial electric motor. The unit operates with a motor, pump reservoir pack self contained. Hydraulic pressure operates on 4,000 P.S.I.



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#### SAFETY EQUIPMENT

The Hydraulic Edge of Dock Leveler operated with a simple selector switch, with no lifting, pulling or straining on the body. The power unit is secluded under the deck structure, factory wired and tested per factory specifications. All units are 60 Hz. Remote box meets NEMA 4X (and/or NEMA 12) requirements. SAE straight thread porting along with cartridge design valving integrated into a single valve manifold, significantly reduces the possibility of hydraulic leakage. Solid steel gussets provide center plate support to end loading in trailer to dock operation.

#### EASY INSTALLATION

Steel rivets located at either end of the center plate hinge provides easy forklift operation.

#### NOTE

Electrical components should not be immersed or submerged in water. Contact Beacon for alternate options.

#### PAINT

Beacon Grey

#### OWNERS MANUAL

Owners Manual comes with each unit, including General Information, Dock Face preparation, Leveler preparation, Anchoring Instructions, Wiring Diagram, Operating Instructions, Troubleshooting, Parts Listed.

#### LIMITED WARRANTY

The BHED Series Hydraulic Edge of Dock Leveler comes with a Limited Warranty – 2 years structural members and 1 year on motor pump and miscellaneous parts.

Heavier Capacity Units can be found in the

**BEACON HEAVY DUTY LOADING DOCK**  
**BEACON™ BUYERS GUIDE**

#### OPTIONS

- ED-17 17" Lip
- ED-F Flat Unit (for pallet jacks)
- ED-208 18" Bump Block (18" vertical height)
- ED-WO Unit furnished without bumpers
- ED-129C Approach Plate  $\frac{1}{4}$ " x 12" x 95" flat beveled
- ED-129 Approach Plate  $\frac{1}{4}$ " x 12" x 120" with bend
- ED-130 Approach Plate  $\frac{1}{4}$ " x 18" x 120" with bend
- ED-132 Approach Plate  $\frac{3}{8}$ " x 18" x 120" with bend
- ED-133 Approach Plate  $\frac{3}{8}$ " x 24" x 120" with bend
- ED-134 Formed Angle 14" x 8" x 10" x 108"
- ED-135 Form Angle 14" x 8" x 10" x 108" with bend
- ED-136 Face Plate  $\frac{1}{4}$ " x 15" x 108"
- ED-169 Approach Plate  $\frac{1}{4}$ " x 12" x 108" with bend
- ED-2202 Approach Plate –  $\frac{1}{4}$ " x 24" x 95" flat beveled
- ED-2234 Approach Plate –  $\frac{1}{4}$ " x 12" x 108" flat beveled
- ED-2238 Approach Plate –  $\frac{1}{4}$ " x 12" x 95" with bend
- ED-2255 Approach Plate –  $\frac{1}{4}$ " x 18" x 95" flat beveled
- ED-511 Approach Plate –  $\frac{3}{8}$ " x 24" x 95" flat beveled
- ED-511 Embedded Channel – 8" x 11.5" lbs. x 120"
- ED-P Pan unit - self forming with laminated bumpers (66" & 72")
- ED-P Pan unit - self forming with laminated bumpers (78" & 84")
- ED-R Recessed unit with laminated bumpers (pit required)
- ED-1 Voltage: 120, 208, 230/240 Vac, 1 PH, 60 Hz
- ED-3 Voltage: 208, 230/240, 460 Vac, 3 PH, 60 Hz
- Aircraft Hydraulic Fluid is standard on all hydraulic units
- ED-2358 Biodegradable Hydraulic Fluid
- ED-2548 Food Grade Hydraulic Fluid

