The Beacon HPK Series Dock Levelers are designed to accommodate docks with high volumes of traffic, servicing most over the road trucks. These dock levelers are designed to extend out toward the truck bed. The HPK Series 100% hydraulically adjustable dock levelers have four movements: 1-UP; 2-DOWN; 3-FORWARD; 4-REVERSE.

**Scope**

The Beacon HPK Series Dock Levelers are designed to accommodate docks with high volumes of traffic, servicing most over the road trucks. These dock levelers are designed to extend out toward the truck bed. The HPK Series 100% hydraulically adjustable dock levelers have four movements: 1-UP; 2-DOWN; 3-FORWARD; 4-REVERSE.

**Size and movements are nominal dimensions.**

Total control of all movements is achieved with the use of clearly marked selector controls and pushbuttons. Standard models are capable of a 24 in. vertical working range including 12 in. above and 12 in. below the level position. The 24 in. platform extends 19.5 in. beyond the face of the 4 1/2" laminated dock bumpers supplied by Beacon. This combination of features enables the HPK Series Levelers to meet over the road trucks of almost any type.

**BEACON IS BUILT TO LAST**

Beacon is one of the few companies that rate their levelers with ACTUAL dynamic rollover capacities. We are proud of the way we rate our equipment. Our levelers are built to see loads, day-in and day-out, year after year. As a true 20,000 lb. dynamic rated dock leveler and with levelers still in use since the 1960’s you will discover our Beacon telescopic slide deck dock levelers are the most durable.

**OPERATION**

After the truck is in place, turn the “UP/DOWN” selector to “UP” to raise the platform. When the platform is at least four inches above level, release the selector control. The platform stops and will not settle down. This feature allows for exact positioning of the platform lip. Turn the “FORWARD” selector control to extend the platform out toward the truck bed. When the platform is over the truck bed release the “FORWARD” selector control to stop the platform. Next turn the “UP/DOWN” selector control to “DOWN” and the platform will settle down to the truck bed.

To store the platform turn the “UP/DOWN” selector control to “UP”. When the platform clears the truck bed and is at least 4” above level, release the selector control. Push the “REVERSE” selector control until the platform is completely retracted. Then turn the “UP/DOWN” selector control to “DOWN” to complete the storing cycle. At any time, the “EMERGENCY STOP” button can be pushed to stop any and all movements of the dock leveler.

The ramp shall be provided with electric selector controls for the four movements: 1-UP; 2-DOWN; 3-EXTEND; 4-RETRACT.

The ramp platform shall be provided with an extending deck/lip section, designed to increase its length in the same plane, from the fully retracted position to the fully extended position.

The ramp platform, including the extending deck/lip shall be free floating, after the lip of the extension has been positioned on the truck bed, or tailgate.

---

**ARCHITECTURAL SPECIFICATIONS**

**GENERAL**

HPK Series Pit Mounted Hydraulic Telescopic Dock Leveler is safer and safer every year. As a true 20,000 lb. dynamic rated dock leveler and with levelers still in use since the 1960’s you will discover our Beacon telescopic slide deck dock levelers are the most durable.

**SCOPE**

The Beacon HPK Series Dock Levelers are designed to accommodate docks with high volumes of traffic, servicing most over the road trucks. These dock levelers are designed to extend out toward the truck bed. The HPK Series 100% hydraulically adjustable dock levelers have four movements: 1-UP; 2-DOWN; 3-FORWARD; 4-REVERSE.

**Size and movements are nominal dimensions.**

Total control of all movements is achieved with the use of clearly marked selector controls and pushbuttons. Standard models are capable of a 24 in. vertical working range including 12 in. above and 12 in. below the level position. The 24 in. platform extends 19.5 in. beyond the face of the 4 1/2" laminated dock bumpers supplied by Beacon. This combination of features enables the HPK Series Levelers to meet over the road trucks of almost any type.

**BEACON IS BUILT TO LAST**

Beacon is one of the few companies that rate their levelers with ACTUAL dynamic rollover capacities. We are proud of the way we rate our equipment. Our levelers are built to see loads, day-in and day-out, year after year. As a true 20,000 lb. dynamic rated dock leveler and with levelers still in use since the 1960’s you will discover our Beacon telescopic slide deck dock levelers are the most durable.

**OPERATION**

After the truck is in place, turn the “UP/DOWN” selector to “UP” to raise the platform. When the platform is at least four inches above level, release the selector control. The platform stops and will not settle down. This feature allows for exact positioning of the platform lip. Turn the “FORWARD” selector control to extend the platform out toward the truck bed. When the platform is over the truck bed release the “FORWARD” selector control to stop the platform. Next turn the “UP/DOWN” selector control to “DOWN” and the platform will settle down to the truck bed.

To store the platform turn the “UP/DOWN” selector control to “UP”. When the platform clears the truck bed and is at least 4” above level, release the selector control. Push the “REVERSE” selector control until the platform is completely retracted. Then turn the “UP/DOWN” selector control to “DOWN” to complete the storing cycle. At any time, the “EMERGENCY STOP” button can be pushed to stop any and all movements of the dock leveler.

The ramp shall be provided with electric selector controls for the four movements: 1-UP; 2-DOWN; 3-EXTEND; 4-RETRACT.

The ramp platform shall be provided with an extending deck/lip section, designed to increase its length in the same plane, from the fully retracted position to the fully extended position.

The ramp platform, including the extending deck/lip shall be free floating, after the lip of the extension has been positioned on the truck bed, or tailgate.

---

**DIMENSIONS**

<table>
<thead>
<tr>
<th>MODEL</th>
<th>DL WIDTH</th>
<th>DL LENGTH</th>
<th>DL HEIGHT</th>
<th>PIT WIDTH</th>
<th>PIT LENGTH</th>
<th>PIT HEIGHT</th>
</tr>
</thead>
<tbody>
<tr>
<td>HPK65</td>
<td>6'</td>
<td>6'</td>
<td>29.5&quot;</td>
<td>6'</td>
<td>30&quot;</td>
<td></td>
</tr>
<tr>
<td>HPK606</td>
<td>6' 6&quot;</td>
<td>6' 6&quot;</td>
<td>29.5&quot;</td>
<td>6' 6&quot;</td>
<td>30&quot;</td>
<td></td>
</tr>
<tr>
<td>HPK70</td>
<td>7'</td>
<td>7'</td>
<td>29.5&quot;</td>
<td>7'</td>
<td>30&quot;</td>
<td></td>
</tr>
<tr>
<td>HPK706</td>
<td>7' 6&quot;</td>
<td>7' 6&quot;</td>
<td>29.5&quot;</td>
<td>7' 6&quot;</td>
<td>30&quot;</td>
<td></td>
</tr>
<tr>
<td>HPK80</td>
<td>8'</td>
<td>8'</td>
<td>29.5&quot;</td>
<td>8'</td>
<td>30&quot;</td>
<td></td>
</tr>
<tr>
<td>HPK806</td>
<td>8' 6&quot;</td>
<td>8' 6&quot;</td>
<td>29.5&quot;</td>
<td>8' 6&quot;</td>
<td>30&quot;</td>
<td></td>
</tr>
<tr>
<td>HPK90</td>
<td>9'</td>
<td>9'</td>
<td>29.5&quot;</td>
<td>9'</td>
<td>30&quot;</td>
<td></td>
</tr>
<tr>
<td>HPK906</td>
<td>9' 6&quot;</td>
<td>9' 6&quot;</td>
<td>29.5&quot;</td>
<td>9' 6&quot;</td>
<td>30&quot;</td>
<td></td>
</tr>
<tr>
<td>HPK100</td>
<td>10'</td>
<td>10'</td>
<td>29.5&quot;</td>
<td>10'</td>
<td>30&quot;</td>
<td></td>
</tr>
<tr>
<td>HPK106</td>
<td>10' 6&quot;</td>
<td>10' 6&quot;</td>
<td>29.5&quot;</td>
<td>10' 6&quot;</td>
<td>30&quot;</td>
<td></td>
</tr>
</tbody>
</table>

**CAPACITY:** 20,000 lb. dynamic rollover

---

**REFERENCE:** HUD Washington D.C.
<table>
<thead>
<tr>
<th>Purchase Order No:</th>
<th>Approved Date:</th>
<th>Ship Date:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Purchaser:</td>
<td>Dealer:</td>
<td>Location:</td>
</tr>
<tr>
<td>Contractor:</td>
<td>Architect:</td>
<td></td>
</tr>
<tr>
<td>Project:</td>
<td>Model No:</td>
<td>Size:</td>
</tr>
<tr>
<td>Model No:</td>
<td>Quantity:</td>
<td>Capacity:</td>
</tr>
</tbody>
</table>

The push-button controls are prewired and mounted in a fully gasketed, Nema 4X noncorrosive indoor-outdoor enclosure control station box.

All provided electrical components, connections and wiring are UL listed, approved or recognized. Motor starter, transformer is supplied as standard equipment.

**PAINT**

Durable polyurethane enamel paint is used on all parts of the Leveler. The platform frame, toe guards and all components are Beacon gray. The HPK SERIES are standard with safety stripes on the full range toe guards, including 6" safety stripes on the deck surface.

**OWNERS MANUAL**

Owners Manual comes with each unit, including Serial Numbers, General Information, Installation and Anchoring Instructions, Wiring Schematics, Hydraulics Schematics, Operating Instructions, Loading and Unloading Instructions, Maintenance Instructions, Trouble Shooting Chart with Part Numbers Listed.

**LEVELER WARRANTY**

HPK SERIES comes with a Limited Warranty - 5 Years on structure, 3 Years on hydraulic components and 1 Year on electrical components.

---

**FEATURES**

HPK SERIES Hydraulic Leveler to include:

- Full Range Toe Guards with safety striping.
- Deck Safety Stripping.
- Telescoping Deck for high traffic cycles.
- 24" Telescoping deck/lip for long reaches.
- Below deck control.
- Out of level compensation.
- Float compensation.
- Maintenance Safety Strut.
- Two - 4 1/2 X 10" X 14" Laminated Dock Bumpers.

**CONSTRUCTION**

HPK SERIES platform is made up of a rear deck and a sliding solid deck. The rear deck is attached at the rear of the frame and the sliding deck moves inside the rear deck by the telescoping hydraulic cylinder to extend out to the truck.

The deck is constructed of thick steel treadplate reinforced with welded split box substructure design. The 1/4" lip is made of 3/8” thick high strength treadplate and is gusseted and welded to the sliding deck.

The HPK SERIES solid platform shall consist of a longitudinal length platform and construction necessary to meet the required platform dimensions. The platform shall be properly hinged, mounted and support at the rear curb angle end to provide required compensation for the maximum out of level condition of the truck bed.

The surface of the ramp platform and lip shall be of non-skid steel treadplate.

The sides of the ramp shall be provided with full range steel safety toe guards as a safety measure and shall be securely attached.

The selector controls shall be of the type requiring constant pressure so that removal of pressure immediately stops all ramp movement.

The dock ramp shall be a packaged type, completely assembled unit with all components and load bearing structural members within its own steel frame, requiring only anchoring in position and electrical connections.

**PITS AND CONCRETE WORK**

All concrete work by contractor. Pit to be constructed per drawing supplied for each installation. All curb angles by contractor.

**HYDRAULICS**

Hydraulic pump, Check valve, Solenoid control valve, Flow control valve included. The oil reservoir includes a fluid level sight gage. The two lift cylinders are 3 1/2” bore with 1 3/4” rods and one telescopic hydraulic cylinder is 2 1/2” bore with 1 1/4” rod.

**ELECTRICAL**

The HPK SERIES electro-hydraulic power unit is complete with a 1 HP. totally enclosed fan cooled electric motor rated at 208/230/460 volts, 3 phase, 60 HZ. Other motor types are available on request.

**PAINT**

Durable polyurethane enamel paint is used on all parts of the Leveler. The platform frame, toe guards and all components are Beacon gray. The HPK SERIES are standard with safety stripes on the full range toe guards, including 6" safety stripes on the deck surface.

**OWNERS MANUAL**

Owners Manual comes with each unit, including Serial Numbers, General Information, Installation and Anchoring Instructions, Wiring Schematics, Hydraulics Schematics, Operating Instructions, Loading and Unloading Instructions, Maintenance Instructions, Trouble Shooting Chart with Part Numbers Listed.

**LEVELER WARRANTY**

HPK SERIES comes with a Limited Warranty - 5 Years on structure, 3 Years on hydraulic components and 1 Year on electrical components.

Beacon Industries, Inc.
12300 Old Tesson Rd.
St. Louis, MO 63128-2247 USA
Phone: (314) 487-7600 Fax: (314) 487-0100
www.beacontechnology.com
E-Mail: sales@beacontechnology.com