Electric Hydraulic
LOADING DOCK LIFT

Meets OSHA and ANSI Standards

- Innovative Safety Features
- Rugged Construction
- State-of-the-Art Components
- Load and Unload Trucks without a Dock with this Heavy Duty Loading Dock Lift
- Engineered for Maximum Safety and Efficiency

Model BWL-100-5-68
Pictured with Aluminum Truck Bridge, Steel Truck Bridge Standard

- Patented Electric Perimeter Pinch Point Guard and Beveled Toeguards for extra protection.
- Inclusive cartridge style Hydraulic Manifold minimizes leak points, maximizes reliability.
- Pressure Compensated Down Flow Control provides uniform down speed under all loads.
- Manual Dump Valve allows lowering during power outages.
- Relief Valve protects against overloading the pump.
- Pressure Plated Pump increases pump life and efficiency.
- Adjustable Upper Travel Limit Switch provides long life for cylinders.
- Maintenance Prop with lock in place design.
- Scissor Legs are 1-1/4" thick x 6-1/2" wide for extra rigidity.
- Cylinder is mounted with hard chrome rod down, minimizing debris accumulation.
- Displacement Style Cylinders do not require contamination prone vents.
- Triple Hydraulic Filtration increases life.
- Emergency Stop Velocity Fuse in cylinder to lock deck if hydraulic pressure is lost.
- Includes one Split-Steel Truck Bridge, 72" wide x 18" long, with lifting chains and side run-off guards.
- Highly-visible Safety Yellow Handrails, 42" high with 21" mid-rail and non-removable 4" high toeboards.
- Push Button Rainproof Hand Control is 24 volt on a 20 foot coiled cord.
- Prewired NEMA 12 Control Box includes magnetic starter and overload fuse.
- Standard 6.5 Hp 460 Volt, 3 Phase, 60 Hz Motor
- Standard Warranty: 1 Year Limited Warranty (See Form WTY-91)
# Specification Table

**Model BWL-100-5-68 is the most popular model.**

## Series

**BWL - 100 - S or P**

### Capacity

### Platform Size

### Surface or Pit Mount

<table>
<thead>
<tr>
<th>Model Number</th>
<th>Platform Size (W x L)</th>
<th>Capacity* (pounds)</th>
<th>Raised Height</th>
<th>Lowered Height</th>
<th>Axle Load* (End Capacity)</th>
<th>Axle Load* (Side Capacity)</th>
<th>Overall Frame Size (W x L)</th>
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</table>

*Capacity is based on CENTERED and EVENLY DISTRIBUTED Load.

Revised 9/10/10
When mounting unit in a pit, this option allows lift to be flush with the floor for limited cross traffic. Deduct 7-1/2" from overall width for usable width.

Model BWL-RHT

Standard steel bridge can be replaced with an aluminum bridge 72" wide by 18" long. Aluminum Upgrade. Model BWL-SATB

Additional Steel Bridge. Model BWL-SSTB

Model BWL-SATB

Ideal when entering and exiting lift at ground level for surface installations. Available in 8", 10" or 12" heights.

Model BWL-AR

Semi-Portability Wheel Kit may be used on the 5,000 and 6,000 pound units only. Includes a dolly jack.

Model BWL-WK

As the truck approaches the lift in the lowered position, the sign raises to let the driver know when to stop for safe loading and unloading.

Model BWL-SSS

Sounds and flashes during the lifting and lowering operations. 80 decibels.

Model BWL-WB

Chip resistant cold compound galvanized frame and deck for corrosive and sanitary environments.

Model BWL-GAL

For cold weather applications. Supplied with a thermostat for automatic use. 208/230V single/three phase (Model BWL-H2) 460V three phase (Model BWL-H4)

Model BWL-H

Additional Hydraulic Hose
8 feet standard. Specify the length needed in feet. Model BWL-HH

Safety Accordion Skirt
Keep people and debris from getting under lift. Model BWL-AS

Key Lock Operation
To avoid unauthorized use of lift, this option will lock out the controls. Model BWL-KL

50,000 lb. Rollover Capacity
Additional structural channel and supports for deck to allow heavier roll-over capacity when unit is in lowered position only. Model BWL-50

Model BWL-50

ADDITIONAL OPTIONS

Two Speed Pump
Increase lifting speed by 55% when lift is unloaded. Model BWL-TSP

Additional Hydraulic Hose
8 feet standard. Specify the length needed in feet. Model BWL-HH

Safety Accordion Skirt
Keep people and debris from getting under lift. Model BWL-AS

Key Lock Operation
To avoid unauthorized use of lift, this option will lock out the controls. Model BWL-KL

50,000 lb. Rollover Capacity
Additional structural channel and supports for deck to allow heavier roll-over capacity when unit is in lowered position only. Model BWL-50

Model BWL-50
**TECHNICAL DATA**

**LIFT SPECIFICATIONS**

**POWER UNIT**

33' Wide  
13-1/2' Deep  
32' High

Loading Dock Lift Model BWL-100-____-______  
Capacity ______ lbs.  
Axle Load Ends Capacity ______ lbs.  
Axle Load Side Capacity ______ lbs.  
Overall Platform Size ______" W x ______" L  
Usable Platform Size ______" W x ______" L  
Up Speed at Full Capacity is ____ Sec. Per Foot  
Raised Height ______" / Lowered Height ______"  
Removable 42" High Handrails with 21" Midrail, Non-Removable 4" Toeboards  
18" Long x 72" Wide Split Steel Bridge with Run-Off Guards, Chains, and Handles 1/4" (5-8K), 3/8" (10-12K)  
6-1/2 HP Power Unit with 8 ft. Hydraulic Hose  
24 VAC Hand-Held Control on a 4 ft. (retracted) - 20 ft. (extended) Coil Cord  
5" Beveled Toe Guard with Black and Yellow Safety Stripes & Electric Toe Guard  
Must be Anchored to Concrete Slab  
Architectural Review for Correctness of Pit and for Compliance to Local and State Codes is Recommended

**PIT SPECIFICATIONS**

**PLATFORM WIDTH OVER 72 INCHES**

- 3" x 3" x 1/4" Curb Angles with Anchors
- Conduit
- *Bridge Length + 3/4"*  
- *Platform Length + 2"*
- *Platform Width + 2"*
- Pit Drain  
- Pit Floor Must Be Level  
- 3/4" Deep Bridge Recess  
- Lowered Height + 1/4"

**PLATFORM WIDTH UNDER 72 INCHES**

- 3" Conduit with Minimum 14-1/2" Radius Bend **

Model BWL-100-____-______  
_____000 lbs. Capacity: _____" W x _____" L Platform

PIT SPECIFICATIONS

Width is _______________ Inches  
Length is _______________ Inches  
Depth is _______________ Inches  
* Contact Factory For Lifts Equipped with Aluminum Bridge  
** Entry can be to Either Side of Pit

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