

# Loading Dock Equipment

s p e c i f i c a t i o n s

# BLUE GIANT®

## 'U' SERIES AIRBAG DOCK LEVELER SPECIFICATIONS:

Dock Leveler shall be air-powered **Model ABU** \_\_\_\_\_ and come complete with air blower motor and fixed rear hinge with 4" (102mm) lateral ramp flex as manufactured by BLUE GIANT.

MODEL	DECK WIDTH		DECK LENGTH w/ 16" / 406mm LIP		PIT DEPTH 24" / 610mm			
					PIT WIDTH		PIT LENGTH	
	inches	mm	inches	mm	inches	mm	inches	mm
ABU6006	72"	1829	75 ½"	1918	74"	1878	61 ¼"	1556
ABU6008	72"	1829	99 ½"	2527	74"	1878	85 ¼"	2165
ABU6606	78"	1981	75 ½"	1918	80"	2032	61 ¼"	1556
ABU6608	78"	1981	99 ½"	2527	80"	2032	85 ¼"	2165
ABU7006	83"	2108	75 ½"	1918	85"	2159	61 ¼"	1556
ABU7008	83"	2108	99 ½"	2527	85"	2159	85 ¼"	2165

**Capacities available:** 30,000 / 35,000 / 40,000 / 45,000 lb  
13,636 / 15,909 / 18,181 / 20,454 kgs

### TYPE:

Recessed, pit installed hinged dock leveler. Air-powered.

### FUNCTION:

**Vertical Travel:** Working range of 12" (305mm) above and 12" (305mm) below dock level.

**Automatic Vertical Compensation:** Unit provides float of 12" (305mm) above and 12" (305mm) below dock level.

**Automatic Lateral Compensation:** Leveler shall have deck flex up to 4" (102mm) to compensate for non-level trailer beds. Rear hinge is fixed and does not come up above floor level.

**Lip Operation:** Mechanically operated lip automatically extends and locks into position. Lip will yield under impact of incoming truck and automatically drop pendant upon truck's departure. The length of the lip extension shall not be less than 16" (406mm) from the ramp edge.

### OPERATION:

**Air-Powered System:** Easy to operate and smooth cycling. Airbags inflate and deflate, raising and lowering the dock leveler. Unit is controlled by a remote single push button control station. Includes means of lowering the dock leveler below platform level with lip retracted behind dock bumpers. Mechanical fall safe legs limit free fall and below level lip control is available for end-loading. Unit shall come complete with a 115 or 230 VAC single phase blower motor. Air power pack is pit-mounted. All 6' (1829mm) long docks use 3/16" (5mm) dia. cable. All 8' (2438mm) long docks use ¼" (6mm) dia. cable. There is one main balance spring for all 6' (1829mm) long docks; two main springs for all 8' (2438mm) long docks.

**Push-button control station:** Unit is operated via a single push button control station (model SP2) with constant pressure "I" (UP) button. Control station is NEMA4X/IP65 rated, 5 15/16" L x 6 15/32"W x 4"D (151 x 164 x 102mm) in size.

### RATED CAPACITY / DESIGN:

Welding procedure compliant with ANSI AWS D1.1 (2008) specifications. All units rated in compliance with ANSI MH30.1(2007). Standard capacities available from 30,000lb to 45,000lb (13,636kg to 18,144kg). Structural deck support to include minimum six each high-tensile solid steel U-beam members.

### VOLTAGE SELECTIONS:

- 115V / 1PH Range: 110-130V / 50-60Hz
- 230V / 1PH Range: 208-240V / 50-60Hz

### SAFETY DEVICES:

- Full operating range metal toe guard protection (may be optional in certain markets, specify)
- Mechanical fall safe legs to limit free fall and below level lip control for end-loading (may be optional in certain markets, specify)
- Cross traffic support - lip engaged in saddles
- Corner safety stops
- Telescopic v-grooved maintenance strut, integral to unit
- Beveled lip

### FINISH AND COLOR:

Toe guards painted safety yellow as specified by ANSI Z535.1. Remainder of unit painted blue. High visibility OSHA safety striping on stationary side toe guards.

### WARRANTY:

Warranties are subject to standard limitations on liability. Please consult Blue Giant warranties at <http://www.BlueGiant.com> for full details on warranty information and product registration.

### STANDARD ACCESSORIES:

- Blower motor: 115 VAC / 230 VAC single phase
- Night Locks
- Two model DB411 laminated bumpers 14"W x 10"H x 4.5"D (356 x 254 x 114mm)

## **OPTIONAL ACCESSORIES:**

- Foam insulation underside of deck
- Overhead door interlock
- Side and rear rubber style weather seals
- Side and rear nylon brush weather seals
- 18" (457mm) long lip
- 20" (508mm) long lip
- Clean pit frame
- Pour-in pan (dock leveler welded to a steel pan, allowing it to be "poured in place" after concrete slab is poured)
- Three wheel forklift center deck support
- Assured motion float (4" / 102mm) maintained deck tilt