

Loading Dock Equipment

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

BLUE GIANT®

'U' SERIES HYDRAULIC DOCK LEVELER SPECIFICATIONS:

Dock Leveler shall be hydraulic **Model HU** _____ and come complete with hydraulic lip and deck cylinders 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			
					Front 20" / 508mm and Rear 19 1/2" / 495mm			
					PIT WIDTH		PIT LENGTH	
	inches	mm	inches	mm	inches	mm	inches	mm
HU6006	72"	1829	75 1/2"	1918	74"	1878	61 1/4"	1556
HU6008	72"	1829	99 1/2"	2527	74"	1878	85 1/4"	2165
HU6010	72"	1829	123 1/2"	3137	74"	1878	109 1/4"	2775
HU6606	78"	1981	75 1/2"	1918	80"	2032	61 1/4"	1556
HU6608	78"	1981	99 1/2"	2527	80"	2032	85 1/4"	2165
HU6610	78"	1981	123 1/2"	3137	80"	2032	109 1/4"	2775
HU7006	83"	2108	75 1/2"	1918	85"	2159	61 1/4"	1556
HU7008	83"	2108	99 1/2"	2527	85"	2159	85 1/4"	2165
HU7010	83"	2108	123 1/2"	3137	85"	2159	109 1/4"	2775
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. Electro-hydraulic operated with independent control of deck and lip.

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 fixed and does not come up above floor level.

OPERATION:

Hydraulic Operating System: Easy to operate, quiet and smooth cycling. Electro-hydraulic raising and hydraulic lowering of the dock leveler controlled from a remote control station. Includes means of lowering the dock leveler below platform level with lip retracted behind dock bumpers. The loaded ramp's free fall is limited to not over 3" (76mm) by a hydraulic velocity fuse. Unit shall come complete with a 1HP motor. TENV power pack mounted underneath the deck.

Three control station options are available (select one):

Remote push-button control station (standard with unit): Model SP1. Provide a single operation push button control station with constant pressure "I" (UP) button. Control station is NEMA4X/IP65 rated, 3 1/4"W x 6 1/2"H x 5 1/8"D (83 x 165 x 130mm) in size.

Remote push-button control station (optional upgrade): Model SP2. Provide a single push button control station with constant pressure UP button. The running timer shuts down the motor after a specific interval to prevent excessive motor activity. Onboard diagnostics alert user to equipment status via a red LED light inside the control box. Control station is NEMA4X / IP65 rated, 5 15/16" L x 6 15/32"W x 4"D (151 x 164 x 102mm)

Remote touch-button control station (optional upgrade): The Blue Genius™ Gold Series I is a multiple touch-button control station with constant pressure "DECK", and "LIP" touch buttons. It has a NEMA4X/IP65 (wet and corrosion resistant) rated polycarbonate enclosure. Overall dimensions 11 1/4"L x 7 1/2"W x 5 1/2"D (286 x 191 x 140mm) with programmable multi-instructional languages. For added safety, the control station has a 'STOP' touch button that will cause the deck and lip to stop in mid-travel when touched. The 'ESC' touch button activates the release function.

RATED CAPACITY / DESIGN:

Welding procedure compliant with ANSI AWS D1.1 (2008) specifications. All units rated in compliance with ANSI MH30.1 (2007). ANSI/NFPA70 approved electrical components. 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: 110-130 / 50-60Hz
- 230V / 1PH Range: 208-240 / 50-60Hz
- 230V / 3PH Range: 208-240 / 50-60Hz
- 460V / 3PH Range: 380-480 / 50-60Hz
- 575V / 3PH Range: 575-600 / 60Hz

SAFETY DEVICES:

- Full operating range metal toe guard protection in high visibility colour
- Hydraulic velocity fuse "fall safe" to limit free fall up to 3" (76mm)
- 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:

- Night Locks
- Two model DB411 laminated bumpers 14"W x 10"H x 4.5"D (356 x 254 x 114mm)

OPTIONAL ACCESSORIES:

- Dock lip safety barrier (5" / 127mm steel barrier extending above the deck surface when the dock is not in use, preventing warehouse traffic from rolling off the edge of the dock)
- Foam insulation underside of deck
- Side and rear rubber style weather seals
- Side and rear nylon brush weather seals
- 18" (457mm) long lip
- 20" (508mm) long lip
- Remote mounted power pack on 18' (5486mm) hydraulic hose
- Pour-in pan (dock leveler welded to a steel pan, allowing it to be "poured in place" after concrete slab is poured)
- Clean pit frame
- Standard oil (temperature range of -41 to 200°C / -42°F to 392 °F)
- Arctic oil (temperature range of -57 to 150°C / 71 to 302 °F)-recommended for temperatures below minus 7°C / 18°F
- Biodegradable oil (temperature range of -36 to 230°C / 33 to 446 °F)in lieu of standard hydraulic oil –environmentally friendly
- Three wheel forklift center deck support
- Blue Genius™ advanced communication package (includes LED interior red/yellow/green and exterior red/green traffic lights and driver warning signs)
- Assured motion float (4" / 102mm) maintained deck tilt
- Auto-Park: automatic ramp return should the vehicle depart unexpectedly. Not available with Model SP1 control station.