

Loading Dock Equipment

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

BLUE GIANT®

DOCK LIFTS LoMASTER SERIES

MODEL 'S' - SEMI-PORTABLE HYDRAULIC

SPECIFICATIONS:

Scissor dock lift shall be semi-portable type Model S / x as manufactured by BLUE GIANT.
(Sample: 4S/72X96 equals 4,000lb (1818 kg) capacity S Model/72" (1829mm) wide x 96" (2438mm) long platform deck)

DECK ** WIDTH x LENGTH		CAPACITIES *			LOWERED HEIGHT		VERTICAL TRAVEL		RAISED HEIGHT	
		4,000 lb / 1818 kg	5,000 lb / 2273 kg	6,000 lb / 2727 kg						
inches	mm					inches	mm	inches	mm	
72" x 96"	1829 x 2438	x	x	x	5"	127	55"	1397	60"	1524
72" x 120"	1829 x 2940	x	x	NA						
84" x 96"	2134 x 2438	x	x	NA	5 1/4"	133	55"	1397	60 1/4"	1530
84" x 120"	2134 x 2940	x	x	NA						
96" x 120"	2438 x 2940	x	x	NA						

* Based on evenly distributed loads. Single axle rolling load capacity 50% across ends and 20% across sides.

** Dimension between cylinder posts is 18" (457mm) less than overall width.

Lowered heights are nominal

TYPE:

Floor installed, single scissor dock lift. Electro-hydraulic operated.

FUNCTION:

Lowered Height: Standard available from nominal 5" to 5 1/4" (127mm to 133mm).

Vertical Travel: Standard available 55 1/2" (1410mm).

Travel Speed: Recommended standard available up to 25FPM (7mpm). Lowering speed is factory preset for safe lowering with rated load. Consult factory.

OPERATION:

Power Unit: Remote 5HP power pack on 12' (3657mm) hydraulic hose. Includes all major components, motor, high-pressure gear pump, manifold, oil filters and oil reservoir. Power unit includes a pressure relief valve, load holding check valve, fixed pressure compensated flow control valve and poppet-type lowering solenoid valve. Oil filter located in the valve manifold (oil reservoir).

Control Station: Remote on 12' (3657mm) electrical cord. NEMA4 rated dual button control station, constant pressure type, complete with 'UP' and 'DOWN' buttons, 2 1/4"W x 4"H x 2 1/2"D (57 x 102 x 64mm) in size. Controller includes a three pole magnetic motor starter with adjustable overload and a fuse protected 120-volt control transformer. Terminals provided for incoming power connection. Controller components are installed in NEMA12 rated enclosure, pre-wired and dielectric tested.

CONSTRUCTION:

Platform: Fabricated of heavy non-skid high tensile steel checker plate and reinforced with steel beams for maximum strength and rigidity. Safety indicator bars provide four sided toe protection.

Hinged Bridge: Standard lip is piano-hinge type, 18" long x 60" wide (457mm x 1524mm), and is fabricated of non-skid high tensile steel checker plate. Lip edge is beveled. Plated lifting chain is provided.

Removable Handrails: Steel pipe 1.5" (38mm) construction, 42" (1067mm) high, with mid-rail and 4" (102mm) high kick plate. Handrail sockets are flush with platform surface. Chains are provided at both open ends between the rails.

Scissor Mechanism: Legs are fabricated of solid steel sections.

Cylinders: Two piston-type hydraulic cylinders. Each cylinder is encased in a 9" (229mm)W weather resistant steel housing (post) located on the top of the deck at end corners. Rods constructed of hard-chrome steel and include self-adjusting polyurethane seals, positive internal stops, and fitted with vent lines. Hydraulic velocity fuse "fall safe" to prevent platform free fall is attached to each cylinder.

Bearings: All pivot points fitted with permanently lubricated Teflon impregnated bushings. Pivot pins made of hard-chrome plated steel.

RATED CAPACITY:

Welding procedure compliant with A.W.S.D1.1 98 specifications. All units are constructed in compliance with ANSI MH29.1-1994. UL approved electrical components. All units are rated for evenly distributed loads. Single axle rolling load capacities are 50% across the ends and 20% across the sides. Standard capacities range from 3,000lb to 6,000lb (1364kg to 2727kg).

SAFETY DEVICES:

- Safety velocity fuses on each cylinder
- Safety Indicator bars (acts as a warning in the event of down travel obstruction)
- Safety striping and warning labels
- Handrails and safety chain

FINISH AND COLOR:

Unit painted blue. Toe guards supplied with high visibility yellow/black warning striping. Handrails painted safety yellow.

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.

OPTIONAL ACCESSORIES:

- Various lip sizes and configurations
- Spring assisted lips
- Aluminum lips
- Portable dolly (makes unit portable)
- Electric trip bars (to stop unit in case of down travel obstruction)
- Warning bell (to indicate lift in motion)
- Warning horn with adjustable volume control mounted on power unit (to indicate lift in motion)
- Flashing amber warning beacon mounted on power pack
- 24VAC control
- Up travel limit switch
- Return line oil filter
- Specify power supply voltage