

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 capacity S Model/72" wide x 96" long platform deck)

DECK ** WIDTH x LENGTH	CAPACITIES (lb) *			LOWERED HEIGHT	VERTICAL TRAVEL	RAISED HEIGHT
	4,000	5,000	6,000			
72" x 96"	x	x	x	5"	55"	60"
72" x 120"	x	x	NA			
84" x 96"	x	x	NA	5 ¼"	55"	60 ¼"
84" x 120"	x	x	NA			
96" x 120"	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" less than overall width.
Lowered heights are nominal

For metric conversion to mm, multiply inches by 25.4. For conversion to kg, divide lb by 2.2.

TYPE:

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

FUNCTION:

Lowered Height: Standard available from nominal 5" to 5 ¼" (127mm to 140mm).

Vertical Travel: Standard available 55 ½" (1,410mm).

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' (3,657mm) 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' (3,657mm) electrical cord. NEMA4 rated dual button control station, constant pressure type, complete with 'UP' and 'DOWN' buttons, 2 ¼"W x 4"H x 2 ½"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 1,524mm), 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" (1,067mm) 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"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 (1,364kg to 2,727kg).

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.

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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