

BLUE GIANT®

LOMASTER™ DOCK LIFT SERIES

GROUND LEVEL HYDRAULIC LIFTS



QUALITY CONSTRUCTION AND LOADING VERSATILITY

2,000 to 20,000 lb (1,818 to 9,091 kg) rated capacities

Turn any ground level area into a functional loading dock.

The LoMaster™ Series Dock Lift from Blue Giant provides a safe and efficient way to handle endless material handling applications at grocery stores, schools, hospitals, and distribution centers – anywhere a low-profile workhorse is required.

Typically, a dock lift will cost 1/3 the price of a fork truck and will have a quicker ROI compared to the long-term cost associated with operating a forklift and manually loading/off-loading a trailer. A LoMaster™ Series Dock Lift will also greatly reduce handling costs, cargo damage, and employee injury common to vertical transfer operations.

Blue Giant LoMaster™ Series Dock Lifts are available in many sizes with standard capacities up to 20,000lb (9,091 kg). Before choosing the unit that is right for your application, compare our standard design features.



Standard Features - Stationary and Low-Profile Dock Lift

Safety

Hydraulic pump with built-in overload relief

Up-travel limit switch

8" (203 mm) tapered toe guard protection - stationary models only

Handrails with 4" (102 mm) kick plate and dual barrier chain across both ends

Precision safety velocity fuses on hydraulic cylinders to prevent platform free-fall

Mechanical flip-down maintenance stop on stationary models only

Operation

24 VAC voltage control

Push button control on 12' (3.65 m) straight cord

Remote powerpack 12' (3.65 m) with hydraulic hose (three-phase, common voltages) and oil included

Completely sealed, weather resistant cylinders vented back to hydraulic tank to prevent contaminant entry into cylinder

Motor, controls, push button factory pre-wired and tested (UL/CSA approved)

Structural

Checkered deck and 18" x 60" (457 x 1500 mm) long lip with lifting chain on rolling end

Factory assembled and load tested

Hard chromed pivot pins at cylinder and center pin

All pivot points feature maintenance-free lifetime lubricated bushings

Full length deck beam for maximum support

Solid plate steel legs for maximum rigidity



LoMaster™ dock lifts are backed by an industry leading warranty and comply to ANSI MH29.1 standards.



Stationary Dock Lift

Blue Giant LoMaster™ Series Stationary Dock Lift models can be mounted in a pit or anchored to a concrete pad.

Optional Features

Safety
Electric toe guard protection
Warning horn with volume control
Flashing amber beacon light
Interlock swing gates
Accordion safety skirting
Mechanical pop-up wheel chock
Operation
Key switch on push button
Lip: Aluminum, Split, Hydraulic, Spring Assist, Extended Length, Multiple
Low temperature oil
Immersion heater for oil reservoir
3 - 10 HP remote powerpacks

Consult factory for additional options.



Lift Speed Conversions for Optional Powerpacks	
5 HP to 3 HP	multiply lift speed by 0.4167
5 HP to 7-1/2 HP	multiply lift speed by 1.29
5 HP to 10 HP	multiply lift speed by 1.87

Powerpack Specifications								
Powerpack	Length		Width		Height		Shipping Weight	
3 HP	18"	457 mm	15"	381 mm	29"	737 mm	175 lb	80 kg
5 HP	20"	508 mm	20"	508 mm	29"	737 mm	190 lb	86 kg
7-1/2 HP	25"	635 mm	20"	508 mm	36-1/2"	927 mm	405 lb	184 kg
10 HP	25"	635 mm	29"	737 mm	31"	787 mm	460 lb	209 kg

NOTE: 3 HP available for 5,000 lb - 6,000 lb (1,818 kg - 2,727 kg) capacity models only

Stationary Dock Lift Specifications										
Deck Width	Deck Length	Lowered Height	Vertical Travel	Raised Height	Lift Speed** by Capacity*					
60" (1,524mm)	5 HP Remote Powerpack				5,000 lb (2,273 kg)		6,000 lb (2,727 kg)			
	96" (2,438 mm)	10" (254 mm)	59" (1,499 mm)	69" (1,753 mm)	14.0 fpm 4.3 mpm		12.2 fpm 3.7 mpm			
	108" (2,743 mm)	14" (356 mm)	59" (1,499 mm)	73" (1,854 mm)	11.5 fpm 3.5 mpm		7.6 fpm 2.3 mpm			
	120" (3,048 mm)				7.2 fpm 2.2 mpm		7.2 fpm 2.2 mpm			
	144" (3,658 mm)				6.9 fpm 2.1 mpm		6.9 fpm 2.1 mpm			
72" (1,829mm)	5 HP Remote Powerpack				8,000 lb (3,636 kg)		10,000 lb (4,545 kg)		12,000 lb (5,454 kg)	
	96" (2,438 mm)	14" (356 mm)	59" (1,499 mm)	73" (1,854 mm)	11.8 fpm 3.6 mpm		10.8 fpm 3.3 mpm		7.7 fpm 2.3 mpm	
	108" (2,743 mm)				11.5 fpm 3.5 mpm		7.4 fpm 2.3 mpm		7.4 fpm 2.3 mpm	
	120" (3,048 mm)				11.0 fpm 3.4 mpm		7.4 fpm 2.3 mpm		7.4 fpm 2.3 mpm	
	144" (3,658 mm)				6.5 fpm 2.0 mpm		5.8 fpm 1.8 mpm		6.5 fpm 2.0 mpm	
84" (2,134mm)	5 HP Remote Powerpack				15,000 lb (6,818 kg)		20,000 lb (9,091 kg)			
	96" (2,438 mm)	21" (533 mm)	59" (1,499 mm)	80" (2,032 mm)	7.4 fpm 2.3 mpm		7.4 fpm 2.3 mpm			
	108" (2,743 mm)				6.7 fpm 2.0 mpm		6.7 fpm 2.0 mpm			
	120" (3,048 mm)				6.3 fpm 1.9 mpm		6.3 fpm 1.9 mpm			
	144" (3,658 mm)				5.8 fpm 1.8 mpm		5.8 fpm 1.8 mpm			
96" (2,438mm)	5 HP Remote Powerpack				15,000 lb (6,818 kg)		20,000 lb (9,091 kg)			
	96" (2,438 mm)	21" (533 mm)	59" (1,499 mm)	80" (2,032 mm)	7.4 fpm 2.3 mpm		7.4 fpm 2.3 mpm			
	108" (2,743 mm)				6.7 fpm 2.0 mpm		6.7 fpm 2.0 mpm			
	120" (3,048 mm)				6.3 fpm 1.9 mpm		6.3 fpm 1.9 mpm			
144" (3,658 mm)	5.8 fpm 1.8 mpm		5.8 fpm 1.8 mpm							

* Capacities are based on evenly distributed loads. Single axle rolling load capacity is 80% of rated capacity across the ends and 50% of rated capacity across the sides.

** Nominal lift speeds with rated load - based on factory test conditions. fpm = feet per minute / mpm = meter per minute

NOTE: Consult factory for custom sizes and capacities. All dock lifts come with 18" (457 mm) long x 60" (1,524 mm) wide lip on rolling end.

Low-Profile Dock Lift

If you find forming a concrete pit/pad too costly, an economical solution is a LoMaster™ Low-Profile Dock Lift. The unit is installed at the dock face and mounted on locating cradles and wear plates. With its extremely low profile, the unit provides added versatility for ground level loading/unloading operations.

The high quality construction features found in the stationary models are incorporated into all of our low-profile dock lifts. Easy lift cylinder is encased in a weather-resistant, platform free-fall. Hard chromed pivot points are fitted with lifetime lubricated bearings or Teflon-coated steel bushings. Indicator bars and high visibility striping provide four sided toe protection. Sturdy steel handrails with 4" (102 mm) kick plates and barrier chains at both ends provide added operator safety. An 18" (457 mm) long lip with lifting chain on the rolling end is standard.

Minimal maintenance and product longevity make LoMaster™ Low-Profile Dock Lifts a welcome addition to any facility.



Optional Features

Safety

- Electric toe guard protection
- Warning horn with volume control
- Flashing amber beacon light

Operation

- Key switch on push button
- Portable dolly
- Lip: Aluminum, Spring Assist, Extended Length, Multiple
- 3-5 HP remote powerpacks



Lift Speed Conversions for Optional Powerpacks

5 HP to 3 HP	multiply lift speed by 0.4167
5 HP to 7-1/2 HP	multiply lift speed by 1.29

Powerpack Specifications

Std. Powerpack	Length		Width		Height		Shipping Weight	
3 HP	18"	457 mm	15"	381 mm	29"	737 mm	175 lb	80 kg
5 HP	20"	508 mm	20"	508 mm	29"	737 mm	190 lb	86 kg

Low-Profile Dock Lift Specifications

Deck Size (Width x Length)*	Lowered Height	Vertical Travel	Raised Height	Lift Speed*** by Capacity**		
5 HP Remote Powerpack				4,000 lb (1,818 kg)	5,000 lb (2,273 kg)	6,000 lb (2,727 kg)
72" x 96" (1,829mm) x 2,438mm)	5" (127 mm)	55" (1,397 mm)	60" (1,524 mm)	20.1 fpm	20.1 fpm 6.1 mpm	14.2 fpm 4.3 mpm
72" x 120" (1,829mm) x 3,048mm)				6.1 mpm	14.2 fpm 4.3 mpm	-
84" x 96" (2,134mm) x 2,438mm)	5 1/4" (133 mm)	55" (1,397 mm)	60 1/4" (1,530 mm)	20.1 fpm	20.1 fpm 6.1 mpm	-
84" x 120" (2,134mm) x 3,048mm)				6.1 mpm	14.2 fpm 4.3 mpm	-
96" x 120" (2,438mm) x 3,048mm)				6.1 mpm	14.2 fpm 4.3 mpm	-

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

** Capacities are based on evenly distributed loads. Single axle rolling load capacity is 50% of rated capacity across the ends and 20% of rated capacity across the sides.

*** Nominal lift speeds with rated load - based on factory test conditions. fpm = feet per minute / mpm = meter per minute

Note: Overall raised height = lowered height plus vertical travel. All dock lifts come with 18" (457 mm) long x 60" (1,524 mm) wide lip on rolling end.

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AUTHORIZED DEALER

Blue Giant offers a full line of dock levelers, dock safety equipment, seals and shelters, accessories, ergonomic and scissor lift equipment and industrial trucks. Concurrent with our continuing product improvement program, specifications are subject to change without notice. Please contact Blue Giant for latest information. Some features illustrated may be optional in certain market areas.