

BLUE GIANT®

BGS-25-40 LI SERIES

CAPACITY
2,500 - 4,000 LB



HIGH-PERFORMANCE STRADDLE WALKIE STACKER



ENGINEERED FOR PRECISE CONTROL

The Blue Giant BGS-25-40-LI Series combines compact maneuverability with standard lithium-ion power, faster lift performance, and enhanced operator controls. Built for demanding warehouse and production environments, it delivers the speed, precision, and reliability needed to keep operations moving efficiently.

Its compact chassis allows operators to confidently navigate narrow aisles and congested work areas, while fast, adjustable lift and lower speeds paired with fully proportional hydraulic controls provide smooth, precise load handling. Programmable performance modes allow the truck to be tailored to individual applications, maximizing productivity without sacrificing control.



STANDARD LITHIUM-ION POWER

Every BGS-25-40-LI Series stacker comes equipped with a maintenance-free Lithium-Iron Phosphate (LFP) battery as standard. LFP technology delivers long battery life, consistent performance, and reduced maintenance requirements compared to traditional lead-acid batteries. An integrated onboard charger allows convenient opportunity charging using any standard 120V outlet, helping maximize uptime and operational flexibility.

HIGH PERFORMANCE

Available in 2,500 lb, 3,000 lb, and 4,000 lb capacities, the BGS-25-40-LI Series delivers outstanding productivity with class-leading loaded lift speeds on 3,000 lb and 4,000 lb models.¹ Faster lift cycles help increase throughput, while three selectable performance modes allow operators to balance speed, precision, and battery efficiency based on the application.

COMPACT FOOTPRINT

BGS-25-40-LI Series models feature a compact chassis design, easy to navigate through tight aisles. A creep speed control button on the control head allows operators to slowly move the stacker with the handle in a vertical position.

¹ Competitive lifting speed evaluation based on published specifications among competitor stackers.

FEATURES

PROPORTIONAL HYDRAULIC CONTROLS

Unlike conventional on/off push-button controls, the BGS-25-40-LI Series features proportional fingertip hydraulic controls that provide smooth, variable lift and lower speeds. This allows operators to position loads with greater precision, helping improve handling accuracy while reducing the risk of product or pallet damage.



INTELLIGENT OPERATOR INTERFACE

The integrated LCD display provides clear truck information at a glance while allowing operators and supervisors to select programmable performance modes that match application requirements, balancing productivity, precision and battery efficiency.

OPERATOR CONVENIENCE

Designed with productivity in mind, the low-pivot control handle provides comfortable operation for users of varying heights during extended travel. An integrated storage tray keeps frequently used items within easy reach, while built-in USB charging ports provide convenient power for mobile devices and accessories throughout the shift.



EXCELLENT VISIBILITY

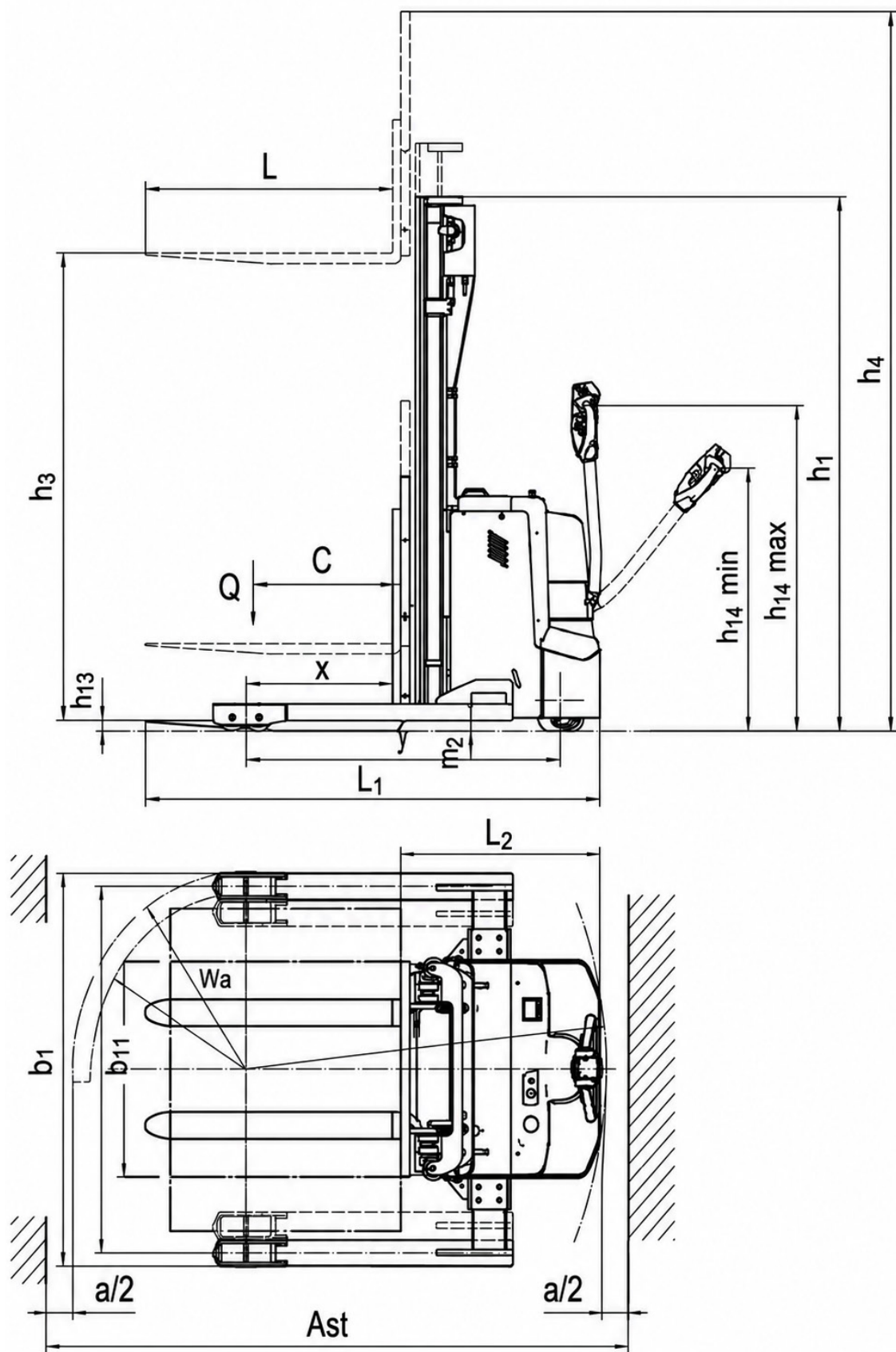
A thoughtfully engineered mast design positions lift chains behind the upright channels to create a wide viewing window. Improved visibility of fork tips and loads helps operators work more confidently and accurately when stacking or retrieving pallets at any height.

ADJUSTABLE STRADDLES

Adjustable straddle legs accommodate a variety of pallet sizes and applications. Easily removable bolts allow operators to quickly change leg width, providing added versatility for changing operational requirements.



FEATURES



DIAGRAM

Specifications		Loc.	Meas.	BGS-25-LI	BGS-30-LI	BGS-40-LI
DISTINGUISHING MARK	Drive			Electric		
	Operator Type			Pedestrian		
	Load Capacity	Q	lb.	2500	3000	4000
	Load Center Distance	c	in.	24		
	Load Distance, Center of Drive Axle to Fork	x	in.	25.3	25.1	
	Wheelbase	y	in.	50.3	53.6	
SERVICE WEIGHT	Service Weight		lb.	2500	2970	3430
	Axle Loading, Laden (front / rear)		lb.	1800 / 2630	2160 / 2810	2330 / 3100
	Axle Loading, Unladen (front / rear)		lb.	1630 / 800	1990 / 980	2200 / 1230
TIRES/CHASSIS	Tire Type			Polyurethane		
	Tire Size - Front			9x3		
	Tire Size - Rear			4x2		
	Additional Wheels (Caster Wheels)		in.	4x2.5		
	Wheels, Number (Front/Rear) X=Drive Wheels			1x, 2 / 4		
	Tread Width, Drive	b10	in.	21.9		
	Tread Width, Load	b11	in.	41 / 45 / 49 / 53	46 / 50 / 54	

SPECIFICATIONS

Specifications		Loc.	Meas.	BGS-25-LI	BGS-30-LI	BGS-40-LI
DIMENSIONS	Retracted Mast Height	h1	in.	71.9 / 82.9 / 71.9	71.9 / 82.9 / 71.9 / 83.5	
	Free Lift Height	h2	in.	0 / 0 / 32.2	0 / 0 / 32.2 / 44.1	
	Lift Height	h3	in.	102 / 126 / 157	102 / 126 / 157 / 189	
	Height, Mast Extended	h4	in.	136.5 / 162 / 192	136.5 / 162 / 192 / 223	
	Overall Length	l1	in.	74.2	77.5	
	Length to Face of Forks	l2	in.	32.1	35.4	
	Overall Width	b1/b2	in.	44 / 48 / 52 / 56	50 / 54 / 58	
	Fork Dimensions	s x e x l	in.	4.0 x 1.6 x 42		4.8 x 1.6 x 42
	Fork Carriage Width	b3	in.	31.4		
	For Spread	b5	in.	7.9 - 30.0		
	Inside Width Between Straddle Arms	b4	in.	38 / 42 / 46 / 50	42 / 46 / 50	
	Ground Clearance, Below Mast	m1	in.	1.4		
	Ground Clearance, Center of Wheelbase	m2	in.	4.1		
	Right Angle Stack Aisle Width	Ast	in.	See Aisle Width Tables		
	Turning Radius	Wa	in.	58.4	61.3	
PERFORMANCE DATA	Travel Speed, Laden/Unladen		mph	3.1 / 3.4		
	Lifting Speed, Laden/Unladen		fpm	35.4 / 51.2		31.5 / 39.4
	Lowering Speed, Laden/Unladen		fpm	70.9 / 63.0		55.1 / 51.2
	Max Gradeability, Laden/Unladen		%	10 / 23	8.5 / 23	6.0 / 23
	Service Brake			Electromagnetic		
ELECTRIC	Drive Motor Rating S2 60min		kW	1.6		
	Lift Motor Rating at S3 15%		kW	4.5		
	Battery Voltage / Nominal Capacity		V/Ah	24V / 100Ah	24V / 205Ah	
	Battery Weight		kg	88	134	
ADDITIONAL	Type of Drive Control			AC		
	Steering Design			Mechanical		
	Charger Output Current		A	30		

ALL MEASUREMENTS SHOWN ARE IN INCHES

BGS-25-LI Min. Right Angle Stack without Clearance (in.)				
38 in. Straddle	Load Length			
Load Width	36	40	42	48
36	80.4	81.4	82.9	87.3
42 in. Straddle	Load Length			
Load Width	36	40	42	48
36	82.4	82.4	82.9	87.3
40	82.4	83.2	84.4	88.6
46 in. Straddle	Load Length			
Load Width	36	40	42	48
36	84.4	84.4	84.4	87.3
40	84.4	84.4	84.4	88.6
42	84.4	84.4	85.2	89.2
50 in. Straddle	Load Length			
Load Width	36	40	42	48
36	86.4	86.4	86.4	87.3
40	86.4	86.4	86.4	88.6
42	86.4	86.4	86.4	89.2
48	86.4	86.5	87.6	91.4

BGS-30-40-LI Min. Right Angle Stack without Clearance (in.)				
42 in. Straddle	Load Length			
Load Width	36	40	42	48
36	86.3	86.3	86.3	90.5
40	86.3	86.3	87.5	91.7
46 in. Straddle	Load Length			
Load Width	36	40	42	48
36	88.3	88.3	88.3	90.5
40	88.3	88.3	88.3	91.7
42	88.3	88.3	88.3	92.4
50 in. Straddle	Load Length			
Load Width	36	40	42	48
36	90.3	90.3	90.3	90.5
40	90.3	90.3	90.3	91.7
42	90.3	90.3	90.3	92.4
48	90.3	90.3	90.7	94.5

AISSLE WIDTHS

MAST CHART

Mast Type	Overall Dimensions (in.)			
	Lift Height	Lowered Height	Extended Height	Free Lift Height
2-Stage Limited Free Lift	100.5	71.9	136.5	-
	126	82.9	162.0	-
3-Stage Full Free Lift	156	71.9	192.0	32.2
	187*	83.5	223.0	44.1

* 187 in. mast not available on BGS-25-LI

CAPACITIES

Model	Lift Height	Truck Weight	Rated Capacity at 24 in. Load Center (lb.)	
	(in.)	(lb.)	Carry Height	Max. Fork Height
BGS-25-LI	100	2220	2500	2500
	126	2310	2500	2500
	156	2500	2500	2500
BGS-30-LI	100	2470	3000	3000
	126	2560	3000	3000
	156	3150	3000	3000
	187	3260	3000	2200
BGS-40-LI	100	2480	4000	4000
	126	2570	4000	4000
	156	3170	4000	3000
	187	3280	4000	2200

MAST CHART & CAPACITIES

STANDARD



OPTIONAL



ELECTRICAL SYSTEM	24V infinitely variable travel control	☒
BATTERY & CHARGING	Lithium-ion battery with onboard 30A charger	☒
	Lithium-Iron Phosphate (LFP) battery chemistry	☒
DRIVE SYSTEM	AC drive motor	☒
	Anti-rollback and neutral braking	☒
	Regenerative braking	☒
WHEELS & TIRES	Drive tire: (1) 9 in. x 3 in. smooth polyurethane	☒
	Load wheels (2) 4 in. x 2 in. polyurethane	☒
	Traction drive tire - rubber	☐
	Traction drive tire - poly	☐
FRONT END EQUIPMENT	Class II ITA fork carriage: 16.25 in. tall x 31.4 in. wide	☒
	42 in. standard taper forks	☒
	36 in. tall load backrest	☒
	ClearView polycarbonate mast guard	☒
	Hang-on sideshifter	☐
	48 in. tall load backrest	☐
	36 in. forks	☐
	48 in. forks	☐
OPERATOR	Thumb control travel functions	☒
	Crawl speed travel control	☒
	Proportional fingertip hydraulic controls	☒
	Belly button reversing switch and horn	☒
	LCD display with battery discharge indicator, hour meter & programming controls	☒
	Dual USB charge ports	☒
	Convenient storage tray	☒
	Key switch	☒

STANDARD/
OPTIONAL EQUIPMENT



For over 60 years, Blue Giant has been the premier solutions provider of safe, effective, and innovative loading docks and material handling equipment, including dock levelers, vehicle restraints, scissor lift tables, touch controls, seals and shelters, industrial trucks, and HVLS fans.

Certification: Blue Giant lift trucks are built in compliance with ANSI B56.1 and OSHA section 1910.178(A)(2). Lift trucks specifications are subject to change without notice. Images may show optional features.

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Blue Giant offers a full line of dock levellers, 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.

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