

BGS

Designed with the operator in mind, the 24-volt BGS Series straddle stacker offers maximum safety and operator comfort for all intermediate duty pallet handling applications.

CAPACITY

- **BGS-15:** 1500 lb at 24" load center
- **BGS-22:** 2200 lb at 24" load center
- **BGS-30:** 3000 lb at 24" load center

LIFT HEIGHTS

- **1 Stage mast:** 52," 72"
- **2 Stage mast:** 90," 110," 130," 150"

TIRES / WHEELS

- Press-on 10" x 4" white, non-marking rubber, taper mounted hub design for easy servicing
- Polyurethane straddle wheels 4" x 2" with precision sealed ball bearings

ELECTRICAL

- 24-volt
- Fused drive and control circuits
- Series wound high torque maintenance-free drive motor
- Class H insulation
- Heavy-duty motor contactors with replaceable tips
- Solid state programmable speed controller and throttle mechanism
- Emergency power disconnect button

OPERATION / CONTROLS

- Ergonomic design with butterfly toward/reverse travel controls
- Large safety reversing button
- Automatic "dead man" type braking with power cut-off switch
- Heavy-duty motor, gear pump, check and relief valve
- Lifting and lowering functions feature "soft start-soft stop" electro-hydraulic acceleration and deceleration valving
- Overload pressure relief valve
- Piston-style lift cylinder
- Key switch

FORKS / CHASSIS

- BGS-22/30 I-beam mast design
- High-quality ball bearing rollers
- Carriage side thrust rollers
- Dual lifting chains
- 36" long forged forks
- Adjustable straddles to 50" ID with guarded tips
- Safety screening protects operator from lifting mechanisms and provides maintenance-free visibility



DRIVE SYSTEM

- Smooth, stepless, adjustable travel speeds and acceleration rate with controlled plug braking
- Programmable controller for energy-saving motor and battery operation
- Diagnostic test and fault information
- Totally sealed gear reducer/brake system with internal multi-disc brakes in oil bath
- All gear and brake components protected from exposure to moisture and debris
- All gears are precision ground helical gears and drive axle mounted on precision tapered roller bearings
- 210Ah rating, (qty 4-12-volt 105Ah rating, minimum maintenance deep cycle) with removable tray
- 115/1/60 15A onboard charger with overload protection direct wired to batteries

OPTIONAL EQUIPMENT

- Special application tires
- Other fork sizes
- Battery gauges
- UL EE rating

BGS | WALKIE LIFT TRUCK | SPECIFICATIONS

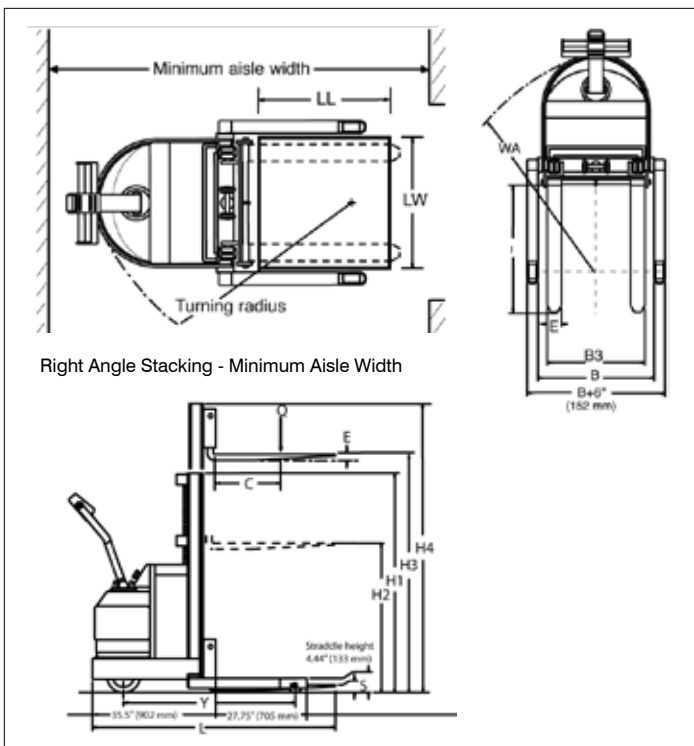
CHARACTERISTICS	Model	Manufacturer's Designation	BGS-15	BGS-22	BGS-30
	Capacity	Q Rated Capacity	1500 lb	2200 lb	3000 lb
	Load Center	C Distance (Refer to chart)	24"		
	Power Type	Electrical	24 volt		
	Control Type	Hand, Pedestrian, Ride-on	Hand / Pedestrian		
	Tire Equipment	Drive End / Load End	Rubber / Poly		
DIMENSIONS	Wheels	Number (x=drive wheel) Drive End / Load End	1 x + 0/2		
	Lift	H3 Lift	Refer to Charts		
		Lift and Fork Height	Refer to Charts		
		H2 Free Lift	24"	12"	12"
	Forks	S Forks Lowered	2"	2.5"	2.5"
		I Length Standard	36"		
		Length Optional	42" , 48"		
		B3 Fork Adjustment	8.5" - 27.25"		
		E Fork Width x Thickness	4" x 1.5"		
		Overall Dimensions	L Length	71.5"	
	B Straddle I.D. STD OPT		41" to 50" / 31" to 40"		
	H1 Minimum Staddle I.D. Setting		Refer to Charts		
H4 Lowered Mast Height	Refer to Charts				
H5 Raised Mast Height	Refer to Charts				
Turning Radius	WA	60.5"			
90° Stacking Aisle		Refer to Charts			

RIGHT ANGLE STACKING								
If pallet bay opening is LW + 4" - 6"					If pallet bay opening is LW + 10"			
Load Width (LW)	Load Length (LL)				Load Width (LW)	Load Length (LL)		
	30"	36"	42"	48"		30"	36"	42"
30"	72"	77"	85"	93"	30"	72"		
36"	73"	79"	87"	94"	36"	73"		
42"	74"	80"	88"	95"	42"	75"		
48"	76"	81"	89"	97"	48"	76"		

MAST SPECIFICATIONS								
Model	Lift	Free Lift	Stages	Minimum Straddle I.D.	Lowered Mast Height	Raised Mast Height		
	H3	H2		H1	H4	H5		
BGS-15	52"	52"	1	31"	72"	72"		
BGS-22/30					71.25"	71.25"		
BGS-15	72"	72"			2	31"	92"	92"
BGS-22/30							91.25"	91.25"
BGS-15	90"	23"	31"	72"			108.75"	
BGS-22/30		11"		65.25"			109"	
BGS-15	110"	23"	33"	33"			82"	128.75"
BGS-22/30		11"					75.25"	129"
BGS-15	130"	23"			33"	33"	92"	148.75"
BGS-22/30		11"					85.25"	149"
BGS-15	150"	23"	38"	38"	102"	168.75"		
BGS-22/30		11"			95.25"	169"		

* 3000 lb model downrated to 2200 lb capacity above 130" lift

PERFORMANCE	Speeds	Traveling - with Load	2.9 mph	2.6 mph	2.5 mph
		Traveling - without Load	3.1 mph		
		Lifting - with Load	22 fpm	16 fpm	15 fpm
		Lifting - without Load	35 fpm	25 fpm	25 fpm
		Lowering - with Load	42 fpm	37 fpm	36 fpm
		Lowering - without Load	22 fpm	19 fpm	15 fpm
LOAD	Dead Weight	Including Battery	1750 lb		
	Axle Loading	Loaded - Drive End	40%	33%	28%
		Loaded - Load End	60%	67%	72%
CHASSIS	Tires	Quantity - Drive / Load End	1/2		
		Dia. x width - Drive End	10" x 4"		
		Dia. x width - Load End	4" x 2"		
	Wheel Base	Y Distance Between Wheels	51.5"		
Ground Clearance		1.25"			
Track	Center of Tires	Straddle I.D. + 3"			
Service Brake		Mechanical			
Parking Brake		Automatic			
POWER / DRIVE UNIT	Battery	Type	Wet		
		Voltage / AH	24 / 170		
		Battery Compartment	28.6" L x 9" W x 24.6" H		
	Electric Motors	Drive Motor	1 hp		
		Lift Motor	5 hp		
Drive Control	Type	Solid State			
	Stages Forward / Reverse	Variable			
Transmission	Type	Geared			



BLUE GIANT
BLUE GIANT EQUIPMENT CORPORATION

Corporate 85 Heart Lake Road South
Brampton, ON, Canada L6W 3K2
t 905.457.3900 f 905.457.2313

USA 6350 Burnt Poplar Road
Greensboro, NC 27409
www.BlueGiant.com

IT-BGS-080714

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.