

Powered Drive Straddle Truck **BLUE GIANT**[®]

BGS-25

Short turning radius makes it an excellent choice for narrow aisles, tool rooms or street level loading.

CAPACITY

- 2500 lb (1134 kg) at 24" (610 mm) load center

BATTERY

- 24-volt industrial battery or battery pack
- Minimum battery weight: 340 lb (154 kg)
- Ah capacity (min/max): 180/255
- Compartment dimensions (open w/ rollers): 26.4" x 9.1" (671 x 231 mm)
- Connector: SB-175 Gray—A-11

SPEED

- ZAPI AC-0 travel controller
- **EMPTY:** 0 - 3.4 mph (5.5 kph)
- **LOADED:** 0 - 3.1 mph (5 kph)
- **LIFT - EMPTY:** up to 33 fpm
- **LIFT - LOADED:** up to 25 fpm with 2500 lb (1134 kg) load
- **LOWERING - EMPTY:** up to 29 fpm
- **LOWERING - LOADED:** up to 57 fpm with 2500 lb (1134 kg) load

WEIGHT

- 1943 lb (881 kg) chassis only

TIRES / WHEELS

- **DRIVE:** 9" x 3" (229 x 76 mm) polyurethane
- **DUAL LOAD:** (2) 3.9" x 2" (99 x 51 mm) polyurethane

HYDRAULICS

- Hard chrome lift cylinder
- Pump unit including motor, gear pump, solenoid, and pressure compensated lowering valves that regulates lowering speed

ELECTRICAL

- ZAPI AC-0 travel controller with AC drive motor provides high torque throughout entire drive range
- Low-maintenance brushless design
- Automatic resetting circuit breaker
- One piece micro switch design

BRAKES

- Regenerative electromagnetic brake mounted on motor armature shaft, multiplying braking power through the transmission
- Brake is applied when control arm is in the vertical or horizontal handle position
- Reduced speed when forks above 12" (305 mm) fork height
- Neutral braking-anti-roll back on ramps



OPERATION / CONTROLS

- Ergonomic operator handle with travel, lift, and lower functions
- Wrap-around guard
- Reversing switch
- Thumb control and horn
- Creep speed function while handle is at 1.5° back-tilt from vertical
- Gas-assisted spring handle
- Plexiglas safety screen

TRANSMISSION

- Vertically mounted drive motor direct mounted to gear housing
- Oil-bathed ZF GK10 hypoid bevel gear drivetrain
- State-of-the-art optimized gear technology provides minimal envelope circle, zero maintenance, and low noise level

FRAME AND MAST

- Bolt-on high-visibility I-beam construction
- Dual lifting chains
- 3" (76 mm) wide adjustable straddle legs
- Straddle leg inside dimension (ID) can be set at 38" (965 mm) to 50" (1270 mm) in 4" (102 mm) increments
- Class II ITA fork carriage with 36" (914 mm) tall load backrest

BEARINGS

- **DRIVE WHEEL:** Tapered roller bearings sealed in oil bath
- **LOAD WHEELS:** Sealed ball bearings

ACCESSIBILITY

- Removal of two piece power head cover exposes major components for inspection and maintenance
- Drive wheel can be removed with one nut

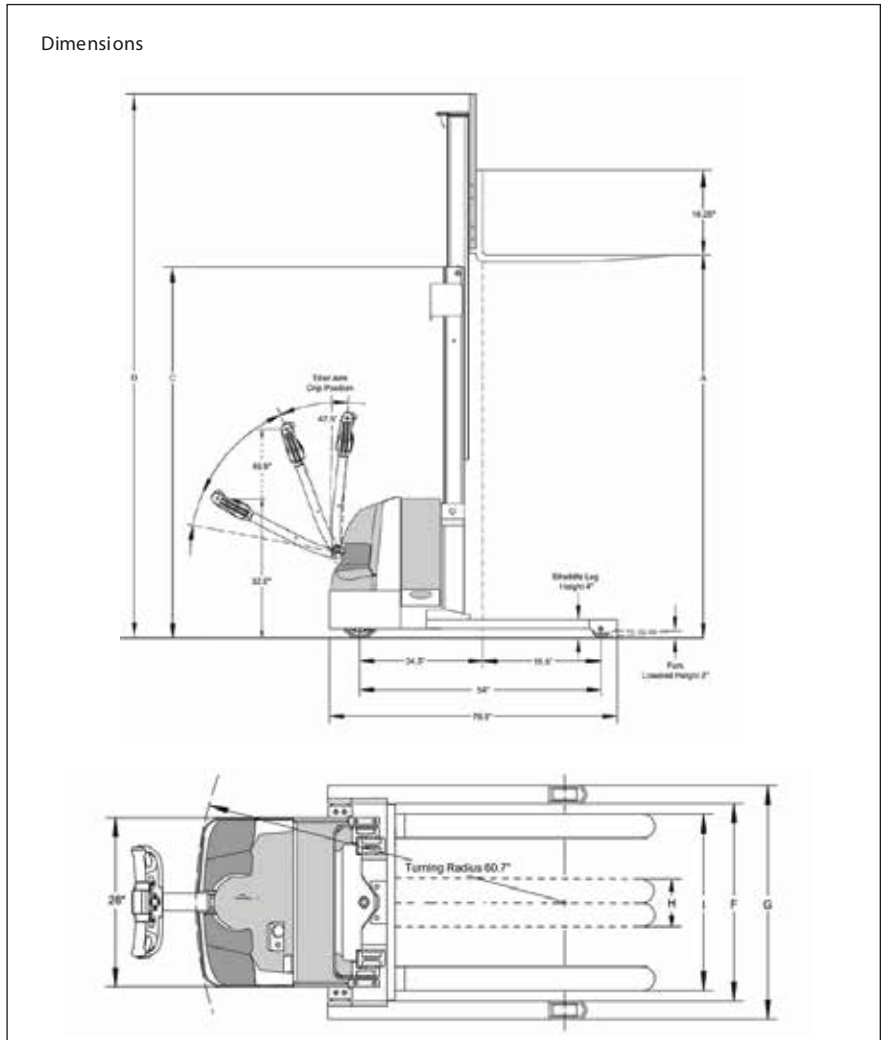
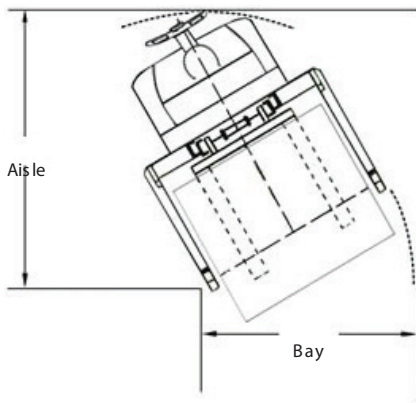
OPTIONAL EQUIPMENT

- 48" (1219 mm) tall load backrest
- Cold conditioning
- Battery 255 Ah 5.9 kWh

Right Angle Stacking Aisle Dimensions

Load Length	Load Width			
	36"	40"	42"	48"
36"	66"	66"	68"	69"
42"	66"	66"	68"	69"
48"	80"	80"	79"	77"

- Aisle dimensions listed have zero clearance
- Add 12" for ease of use.



Note: Aisle dimensions listed above assume the bay width to be straddled OD plus 2" (1" on either side of straddle leg). Straddled OD is the load width plus 8". *For metric conversion multiply inches by 25.4.

Model#	Lift Height	Col Height	Free Lift	Ext Height w/LBR	Adj Straddle Leg (4" Increments)		Forks		Ship Weight w/o Battery
	A	C		D	ID	OD	ID	OD	
				F	G	H	I		
2500 lb Capacity @ 24" Load Center TA Class II Fork Carriage									
BGS-25-106	106"	71"	6"	142"	38 to 50"	44 to 56"	8"	30"	1726 lb
BGS-25-130	130"	83"		165"					1816 lb
BGS-25-142	142"	89"		178"					1858 lb
BGS-25-153	153"	95"		189"	1943 lb				
BGS-25-157	157"	71"	50"	193"	42 to 50"	48 to 56"			2156 lb

* Complete weight includes truck, battery and charger.



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