

WALKIE STACKER



2000 - 2500 LBS.

SPECIFICATIONS



8BWS10-13



CAPACITY
2000 - 2500 LBS.

BASE LEG INSIDE DIMENSION
33 - 51 IN.

LIFT HEIGHT
143 IN.

INDUSTRIES



Beverage



Cold Storage



Distribution



Food Storage

General
Warehousing

Retail

STANDARD FEATURES

PERFORMANCE

- 24-Volt electrical system
- AC drive motor with thermal protection & current limiting
- Class “F” motor insulation
- Transistor drive control system
- Controller area network (CAN-bus) communication
- Regenerative braking
- Contactor-less drive controls
- Electronic touchpad, keyless entry system with password protection
- Programmable performance for up to 10 operators
- Electronic raise and lower controls in operator handle
- Programmable auto-off system
- Error indicator with self-diagnostics
- Fault code memory with hour meter reading
- Hour meter indicator
- Programmable service indicator
- Battery discharge indicator with lift interrupt
- Anti-rollback system
- Fused control and power circuits
- IP65-rated electrical system

BODY/EXTERIOR DESIGN

- Poly drive tire, 10" dia. x 5" width
- Polyurethane load wheels, 4" dia. x 3" width
- Battery compartment 27.3" x 7.8" x open height
- SB-175 battery connector (red)
- High-strength service cover
- Tool-free cover removal
- Electric horn

OPERABILITY & ERGONOMICS

- Multifunction control handle with ergonomically angled handgrips
- Fingertip control of all functions
- Directional thumb controls
- Programmable neutral speed reduction
- Direction reverse switch on control handle
- Turtle torque control
- Spring-loaded control handle
- “Pinwheel” capability for right-angle stacking
- Electric disc brake
- Emergency power disconnect
- Battery disconnect handle
- Electronic brake release jumper

OPTIONAL EQUIPMENT

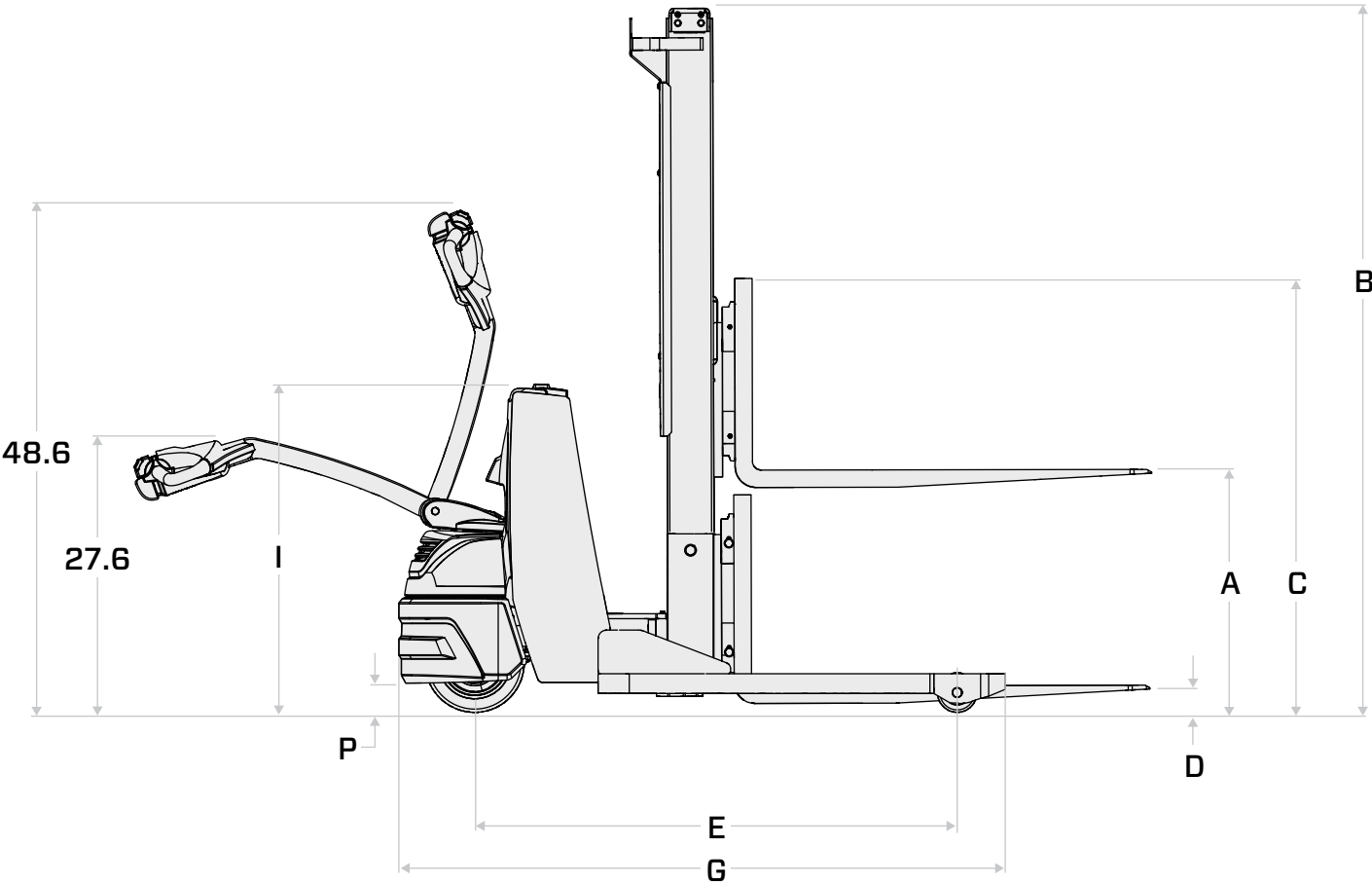
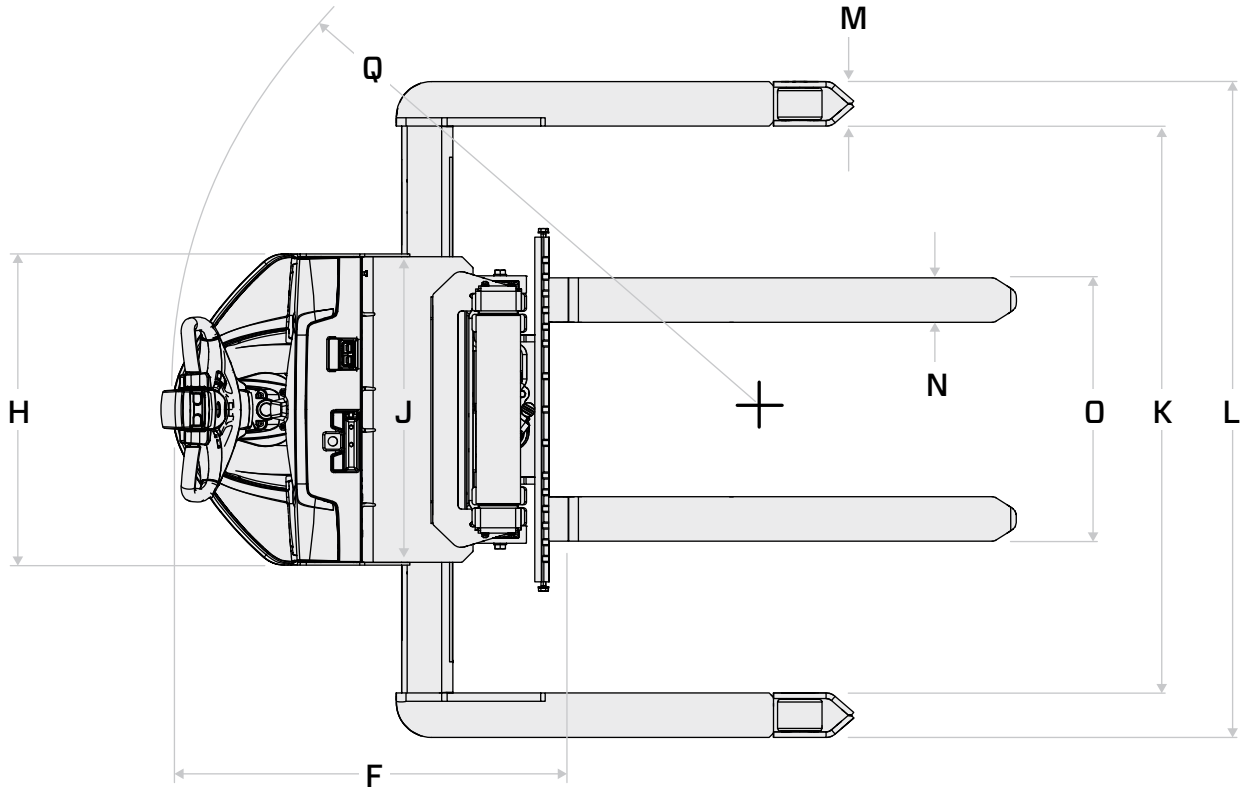
- Battery compartment 27.3" x 9" x open height
- Battery compartment 27.3" x 6.8" x open height
- Battery/charger pack (24V) flooded lead-acid (175 Ah)
- Battery/charger pack (24V) maintenance-free (190 Ah)
- Grip rubber drive tire (maxmatic tread)
- Cold storage conditioning
- UL-approved model type “E”
- UL-approved model type “EE”
- NexSys® maintenance-free battery/charger pack
- GNB maintenance-free battery/charger pack (24V-195 Ah)
- EE rated wet-cell battery charger pack
- EE rated maintenance free battery charger pack
- Key switch
- Bumper-mounted rubber skirt
- Adjustable-width base legs
- Amber strobe light
- Forward/reverse travel alarm

TRUCK SPECIFICATIONS

			MODEL NUMBERS					
GENERAL DATA			8BWS10		8BWS13			
Load Capacity (with 24" load center)		lb (kg)	2000 (905)		2500 (1130)			
Brakes			Electric Disc Brake					
EXTERIOR DIMENSIONS			8BWS10		8BWS13			
Carriage Width		in (mm)	31 (787)					
Basic Right-Angle Stacking Aisle Width			See chart					
A	Maximum Fork Height	in (mm)	53 – 143 (1346 – 3632) per FL					
B	Mast Lowered Height	in (mm)	71 – 91 (1803 – 2312)					
C	Mast Extended Height	in (mm)	93 – 183 (2362 – 4694)					
D	Minimum Fork Height	in (mm)	2 (50)					
E	Wheelbase	in (mm)	48.8 (1238)					
F	Head Length (length to fork face)	in (mm)	35.6 (905)					
G	Truck Length (length to end of base legs)	in (mm)	61.3 (1556)					
H	Power Unit Width	in (mm)	28 (711)					
I	Power Unit Height	in (mm)	33.1 (841)					
J	Battery Compartment Width (actual)	in (mm)	27.5 (699)					
K	Base Leg Inside Dimension (ID) - Range	in (mm)	33 – 51 (813 – 1295)					
L	Base Leg Outside Dimension (OD) - Range	in (mm)	40 – 59 (1017 – 1499)					
M	Base Leg Width	in (mm)	4 (102)					
N	Fork Width	in (mm)	4 (102)					
O	Fork Adjustment (out to out) - Range	in (mm)	10 – 31.1 (254 – 789)					
P	Underclearance (bumper)	in (mm)	3 (75)					
Q	Outside Turning Radius	in (mm)	56.4 (1433)					
POWER SYSTEM			8BWS10		8BWS13			
Total Weight Without Battery¹		lb (kg)	1710 (776)					
Power Type			Battery					
Battery	Voltage / Capacity (6-hour ratings)	Max. V / Ah	24 / 255					
	Cable Location / Length	in (mm)	B / 15 (381)					
	Connector / Color		SB-175 / Red					
	Weight	Min./Max. lb (kg)	290 / 550 (132 / 249)					
Electric Motors	Drive (60 min.)	hp (kw)	1.2 (0.9)					
	Load Handling (5 min. 20%)	hp (kw)	4 (3)					
Control Type	Drive		Transistor					
	Load Handling		Electromagnetic Contactor					
PERFORMANCE DATA			8BWS10		8BWS13			
Maximum Travel Speed	Full Load	mph (km/h)	3.4 (5.5)					
	No Load	mph (km/h)	3.6 (5.8)					
Lift Speed	Full Load	fpm (mm/sec)	20 – 28 (101.6 – 142.2)		19 – 27 (96.5 – 137.2)			
	No Load	fpm (mm/sec)			37 – 45 (188 – 228.6)			
Lowering Speed	Full Load	fpm (mm/sec)	42 – 53 (213.4 – 269.2)		43 – 54 (218.4 – 274.3)			
	No Load	fpm (mm/sec)			39 – 50 (198.1 – 254)			
TIRES			8BWS10		8BWS13			
Type			Polyurethane					
Size (diameter x width)	Drive Tire	in (mm)	10 x 5 (254 x 127)					
	Load Wheels	in (mm)	4 x 3 (100 x 76)					
AISLE REQUIREMENT - RIGHT ANGLE STACK²			8BWS10		8BWS13			
Load Width			Load Length					
			in (mm)	36 (914)	40 (1016)	42 (1067)	44 (1117)	48 (1219)
	30 (762)	in (mm)	72.3 (1836)	76.8 (1951)	78.9 (2004)	80.9 (2055)	84.9 (2156)	
	32 (813)	in (mm)	72.6 (1844)	77.2 (1961)	79.3 (2014)	81.3 (2065)	85.2 (2164)	
	36 (914)	in (mm)	73.2 (1859)	78 (1981)	80.1 (2035)	82 (2083)	85.9 (2182)	
	40 (1016)	in (mm)	73.8 (1875)	78.8 (2002)	80.9 (2055)	82.9 (2106)	86.7 (2202)	
	42 (1067)	in (mm)	74 (1880)	79.3 (2014)	81.4 (2068)	83.3 (2116)	87.2 (2215)	
	44 (1118)	in (mm)	74.2 (1885)	79.7 (2024)	81.8 (2078)	83.8 (2129)	87.6 (2225)	
48 (1219)	in (mm)	74.5 (1892)	80.6 (2047)	82.8 (2103)	84.8 (2154)	88.6 (2250)		

1 With 104" MFH mast.
2 Minimum Aisle Width for Right-Angle Stacking: Aisle widths have been given for a standard model with 7.8" battery compartment. Add a minimum of 12" for maneuverability.

TRUCK DIMENSIONS



MAST SPECIFICATIONS

MAST TYPE	MAXIMUM FORK HEIGHT (TOP OF FORKS)	OVERALL LOWERED HEIGHT	FREE-LIFT WITH LOAD BACKREST ¹	MINIMUM BASE LEG ID	LOAD CAPACITY AT 24 IN. LOAD CENTER ²
	in (mm)	in (mm)	in (mm)	in (mm)	lb (kg)
8BWS10					
Wide Visible (V)	104 (2650)	72 (1829)	6 (152)	32 (813)	2000 (905)
	112 (2845)	76 (1930)	6 (152)	32 (813)	2000 (905)
	128 (3251)	84 (2134)	6 (152)	32 (813)	2000 (905)
	143 (3632)	91 (2311)	6 (152)	32 (813)	1600 (725)
Full Free-Lift 2-Stage (FV)	104 (2650)	72 (1829)	30 (762)	32 (813)	2000 (905)
	112 (2845)	76 (1930)	34 (863)	32 (813)	2000 (905)
	128 (3251)	84 (2134)	42 (1067)	32 (813)	2000 (905)
	143 (3632)	91 (2311)	50 (1270)	32 (813)	1600 (725)
Single-Stage (S)	53 (1346)	71 (1803)	30 (762)	32 (813)	2000 (905)
	65 (1651)	83 (2108)	42 (1067)	32 (813)	2000 (905)

MAST TYPE	MAXIMUM FORK HEIGHT (TOP OF FORKS)	OVERALL LOWERED HEIGHT	FREE-LIFT WITH LOAD BACKREST ¹	MINIMUM BASE LEG ID	LOAD CAPACITY AT 24 IN. LOAD CENTER ²
	in (mm)	in (mm)	in (mm)	in (mm)	lb (kg)
8BWS13					
Wide Visible (V)	104 (2650)	72 (1829)	6 (152)	32 (813)	2500 (1130)
	112 (2845)	76 (1930)	6 (152)	32 (813)	2500 (1130)
	128 (3251)	84 (2134)	6 (152)	32 (813)	2000 (905)
	143 (3632)	91 (2311)	6 (152)	32 (813)	1600 (725)
Full Free-Lift 2-Stage (FV)	104 (2650)	72 (1829)	30 (762)	32 (813)	2500 (1130)
	112 (2845)	76 (1930)	34 (863)	32 (813)	2500 (1130)
	128 (3251)	84 (2134)	42 (1067)	32 (813)	2000 (905)
	143 (3632)	91 (2311)	50 (1270)	32 (813)	1600 (725)
Single-Stage (S)	53 (1346)	71 (1803)	30 (762)	32 (813)	2500 (1130)
	65 (1651)	83 (2108)	42 (1067)	32 (813)	2500 (1130)

1 Height of standard load backrest is 40" (1010 mm).

2 Capacity given with 7.8" battery compartment.





"THE NAME ON MY SHIRT SAYS TOYOTA, BUT I WORK FOR YOU."

Alan - 360 Technician, Atlas Toyota Material Handling, Chicago, IL



HELP IS ALWAYS HERE WITH TOYOTA 360 SUPPORT.

The industry's best and most comprehensive dealer network quickly delivers Toyota Certified Technicians to your work site. These specially trained technicians can also help assess your warehouse and facility needs to recommend the right equipment for the job. And with the largest fleet of used and rental material handling products, Toyota 360 keeps your business running at full speed.

ToyotaForklift.com/360-Support



YOUR BUSINESS IS RIDING ON IT.

Some product features described herein are optional. Please consult your dealer for specifications. Details of specifications and equipment are based on information available at time of printing and may change without notice.



007228BWSSS

©2019 Toyota Material Handling, Inc.