PDS30

Power Drive Straddle Truck

SHORT TURNING RADIUS MAKES THE PDS AN EXCELLENT CHOICE FOR NARROW AISLES, TOOL ROOMS OR STREET LOADING APPLICATIONS



CAPACITY
3000 lbs. at 24” load center

BATTERY
Compartment: 26.37” x 9.06” x open.
Anderson 175 Red —A-11 Minimum battery weight 340 lbs.

SPEED
ZAPI travel controller

TRAVEL
Variable from 0 mph to 3.4 mph empty
Variable from 0 mph to 3.1 mph loaded

LIFT
Up to 31 fpm empty.
Up to 23 fpm loaded—3000lbs

LOWERING
Up to 25 fpm empty.
Up to 33fpm loaded—3000 lbs.

TIRES / WHEELS
DRIVE
9” x 3” polyurethane
DUAL LOAD
(2) 4” x 2.9” polyurethane

HYDRAULICS
Lift cylinder has hard chrome plated rods. Pump unit including motor, solenoid, gear pump, and pressure compensated lowering valve are mounted high in the power compartment for ease of service.

ELECTRICAL
24-Volt ZAPI *AC O* inverter, travel control with matching drive motor provide high performance throughout the entire speed range. Travel speed remains constant relative to throttle position regardless of load. Separately fused power control circuits, quick disconnect EPD power cut off, and hour meter / battery discharge indicator combination gauge complete the system. Power configurations and diagnostic features are displayed with a ZAPI handheld console.

BRAKES
Electromagnetic brake is mounted on the motor armature shaft mul-tiplying the braking power through the transmission. Brake is applied when the control arm is in the vertical or horizontal handle position. Travel speed is reduced when forks are above 12” fork height. Neutral braking resists roll back on ramps.

CONTROLS
Travel, lift, and lower functions are located in the ergonomic operator handle. All operator controls are accessible without having to lift the hand from the handle.

Angle grips are designed to allow easy operation with either hand. Wrap around guard, reversing switch, thumb control, and horn are standard.

Top mounted tiller arm offers excellent operator comfort and minimum steering effort. Gas assisted spring gently returns handle to vertical position.

TRANSMISSION
Vertically mounted drive motor is direct mounted to gear housing. Oil bathed bevel gear drive train with tapered roller bearings transfers power to axle. State of the art optimized gear tech-nology supplies advantages such as zero maintenance, low noise level, high efficiency and high performance.

FRAME AND MAST
Bolt-on high visibility mast, features I-beam construction, with lift cylinders posi-tioned on the outer I-beam for best view through mast. Dual lift chains.

Straddle leg inside dimension (ID) can be set at 42” to 50” in 4” increments.

Class two ITA fork carriage with 36” tall load back rest. Forks are adjustable form 8” ID to 30” OD

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

ACCESSIBLITY
Removal of two piece power head cover exposes major components for inspection and maintenance

STANDARD EQUIPMENT

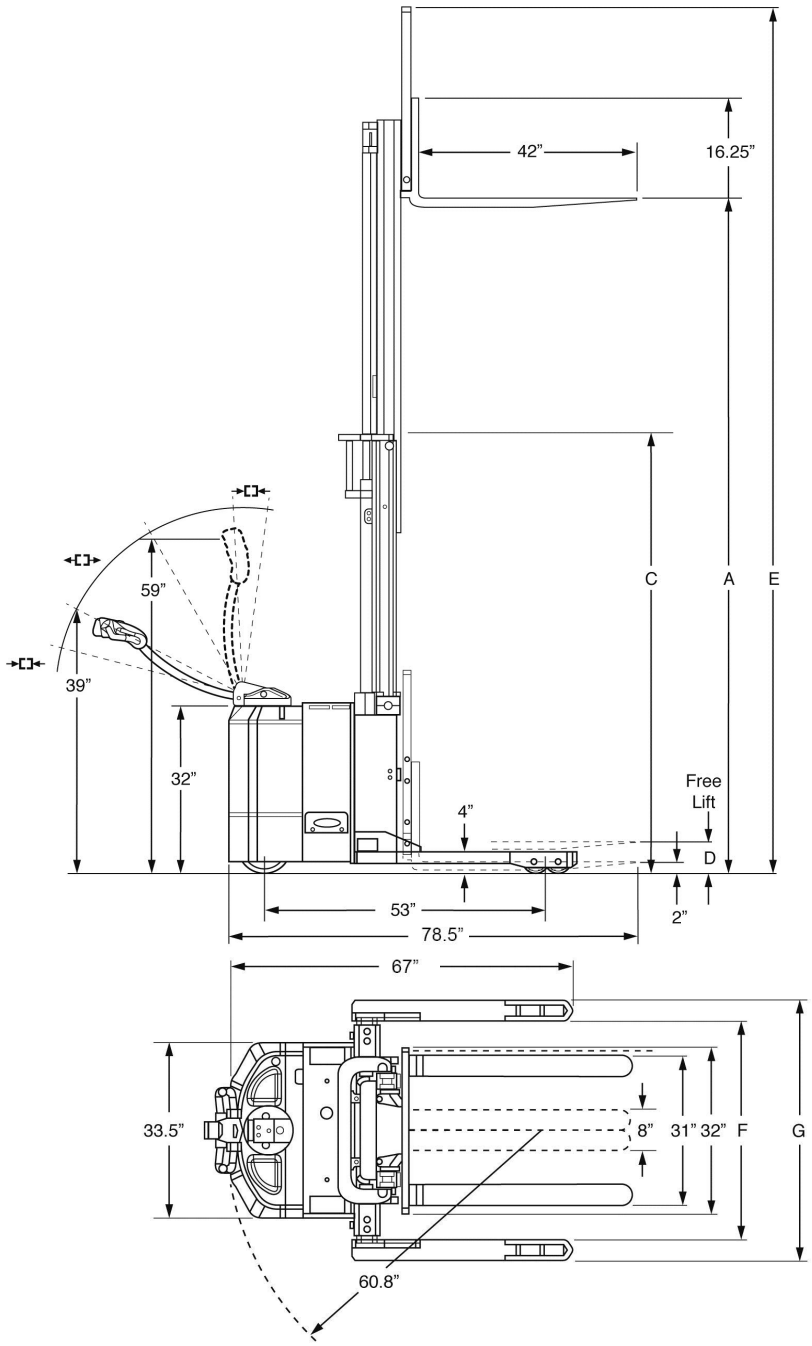
- Adjustable Straddle Legs
- Regenerative Braking
- Creep Speed Handle Control
- Gas Assist Spring Handle
- Low Battery □ Interrupt
- Hour Meter BDI Combo Gauge
- Key Switch

OPTIONAL EQUIPMENT

- 48” tall load backrest
- Cold conditioning
- Side-Shifting Fork Carriage
- Four Pack Power MF 224 AH / 5.4 kwh 110VAC plug-in charger
- Industrial Battery 255 AH 5.9 kwh

PDS 3000 Lbs. Capacity Power Drive Straddle Truck

DIMENSIONS

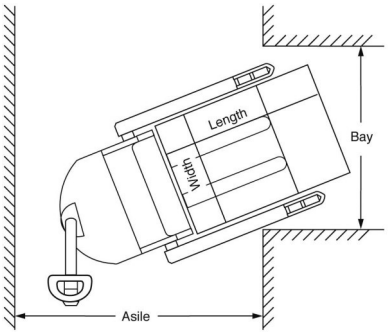


Aisle Guide

PDS30 - Right Angle Stacking

Load Width	Load Length		
	36"	40"	48"
36"	67.6"	67.6"	67.6"
40"	69.1"	69.1"	69.1"
48"	73.4"	73.4"	73.4"

For ease of use add 8" to aisle dimension listed. If sideshift option is used add 2".



Aisle dimensions listed above assume the minimum bay width to be straddle OD plus 5" (2.5" on each either side of straddle leg). Straddle OD is the load width plus 10". Truck performance may vary due to application re-quirements' and changes in model design.

Model #	Mast	Lift Height	Col Height	Free Lift	Ext Height w/LBR	[2] Adjustable Straddle Leg 4" Increments		[3] Weight Chassis Only
						ID	OD	
		A	C	D	E	F	G	
3000 Capacity @ 24" Load Center ITA Class II Fork Carriage								
PDS30-104	Two Stage	104	72.5	6	140	42 to 50	50 to 58	2042
PDS30-126	Two Stage	126	83.5	6	162	42 to 50	50 to 58	2172
PDS30-157	TriMast	157	72	50	193	42 to 50	50 to 58	2444
*PDS30-177	TriMast	177	80	58	213	42 to 50	50 to 58	2539

*Derates 1000 LBS above 162" [2] Minimum inside dimension (ID) 42" Outside dimension = inside dimension + 8" [3] Estimated shipping weight without battery

Certification
All units are built to be in compliance with the Occupational Safety & Health Act (OSHA)

Big Lift LLC will not assume liability for injuries or damage arising from, or caused by, the removal of any safety devices from their vehicles by user. Because of the Big Lift LLC continuing product improvements, specifications are subject to change without notice.

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