



# PDS40

## Power Drive Straddle Truck

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



### CAPACITY

4000 lbs. at 24" load center

### BATTERY

Compartment: 31.6" x 13.1" x open  
Anderson 175 Red, position A-11 Minimum  
battery weight 340 lbs - maximum weight  
1,100

### SPEED

#### TRAVEL

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

#### LIFT

Up to 37 fpm empty.  
Up to 32 fpm loaded—4000lbs

#### LOWERING

Up to 29 fpm empty.  
Up to 56 fpm loaded—4000 lbs.

### WEIGHT

2624 lbs. Chassis Only

### 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 lower-  
ing 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 diag-  
nostic features are displayed with a ZAPI  
handheld console.

### BRAKES

Electromagnetic brake is mounted on the  
motor armature shaft multiplying the  
braking power through the drive  
transmission.

Brake is applied when the control arm is  
in the vertical or horizontal handle position.  
System features anti-roll back and  
neutral braking.

### CONTROLS

Travel, lift, and lower functions are located  
in the ergonomic operator handle. All oper-  
ator 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 technology supplies ad-  
vantages 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 lifting chains.

Fixed straddle leg inside dimension (ID)  
can be set at 42" or 50". Four inch wide  
straddle legs = ID + 8"

Class two ITA fork carriage with 36" tall  
load back rest. Forks are adjustable from  
8" ID to 31" OD

### BEARINGS

DRIVE WHEEL-Tapered roller bearings  
sealed in oil bath

LOAD WHEELS-Sealed ball bearings

### ACCESSIBILITY

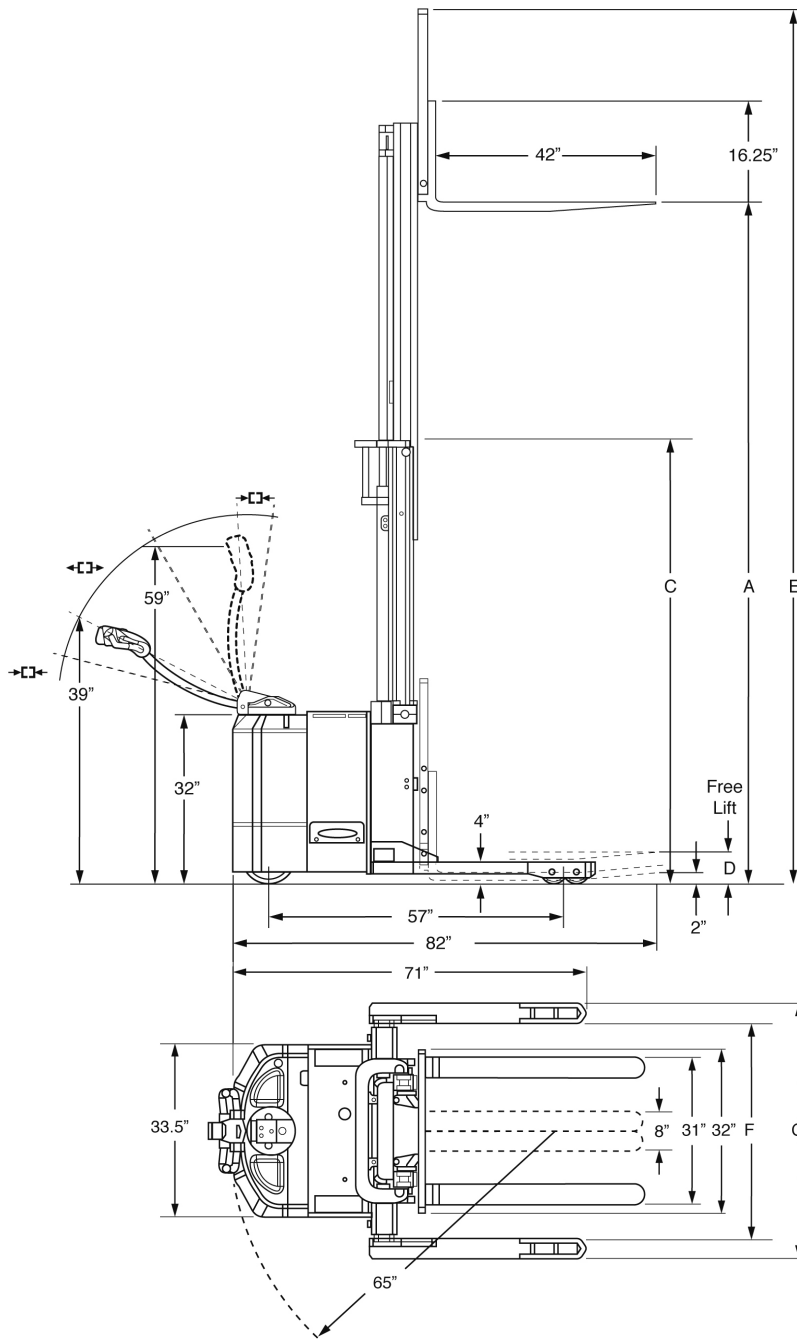
Removal of two piece power head cover  
exposes major components for inspection  
and maintenance

### STANDARD EQUIPMENT

- 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
- Battery 510 AH 11.9 kwh

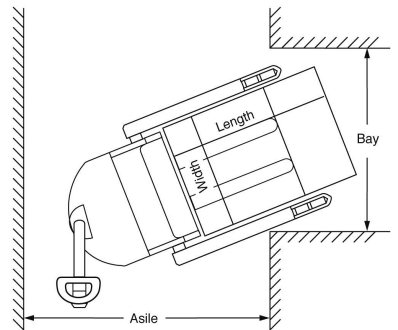


### Aisle Guide

PDS40 - Right Angle Stacking

Load Width	Load Length		
	36"	40"	48"
36"	79.5"	79.5"	79.5"
40"	80.5"	80.5"	80.5"
48"	80.5"	80.5"	80.5"

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 requirements and changes in model design.

Model #	Mast	Lift Height	Col Height	Free Lift	Ext Height w/LBR	Fixed Straddle Leg		**Weight Chassis Only
		A	C	D	E	F	G	
<b>4000 Capacity</b>								
PDS40-104	Two Stage	104	72.5	6	140	42 or 50	50 or 58	2118
PDS40-126	Two Stage	126	83.5	6	162	42 or 50	50 or 58	2238
PDS40-157	Three Stage	157	72	50	193	42 or 50	50 or 58	2514
PDS40-177*	Three Stage	177	80	58	213	42 or 50	50 or 58	2624

\* Derates 1500 LBS above 162"

\*\* Estimated shipping weight without battery