



PDCE

Electronic Power Steering

Power Drive Counterbalanced Trucks

This series offers power steering, providing the operator an easy to use walkie with maximum capacity. It's ideal for heavy loads, manufacturing work cells, and tight spaces.

CAPACITY

4000 lbs.

BATTERY

24-volt industrial battery. Minimum battery weight 1042 lbs. AH capacity min/max 510/660. Battery compartment dimensions are:

PDCE-40 13.75" x 31" x 23.25" tall
A-15, SB 175 gray connector

PERFORMANCE

Curtis 1234 AC transistor travel control

TRAVEL SPEED—VARIABLE

3.25 mph empty
3.25 mph loaded

LIFT

Up to 45 fpm empty.
Up to 26 fpm loaded—4000 lbs

DUAL TLT CYLINDERS

3° Forward; 9° Back

TIRES

DRIVE WHEEL

12" x 5" polyurethane

LOAD WHEELS

10.5" x 4.75" polyurethane

STEERING

On demand electronic power steering automatically provides smooth assistance to the tiller arm steering arc. Steering is accomplished with minimal effort, even when truck is stopped. Combined with infinitely variable travel function maneuvering in tight spaces becomes safer and more productive.

CONTROL HANDLE "All Steel"

Designed to allow smooth operation with either hand. Protective wraparound hand guard, rubber hand grips, horn, "Belly Button" reversing switch, thumb and twist grip travel control are all standard.

HYDRAULICS

The dashboard mounted lift and lower lever allow uncomplicated and precise load placement. Infinitely variable ball-type lowering valve provides a full range of lowering speeds for optimum control.

Premium design lift cylinder provides smooth lifting and lowering and long life with minimal maintenance.



Full system filtration prevents contaminants from entering the hydraulic system. Pressure compensating flow control valve at base of lift cylinder regulates lowering speeds.

ELECTRICAL

All cables and wires are color coded and or numbered for easy service and tracing. Control circuits are fuse-protected, and use plug-in type connector.

Curtis® travel controller provides infinitely variable travel speeds with efficient use of battery power.

Hydraulic lift pump motor is specially designed for peak electrical efficiency at specific torque and rpm levels.

DRIVE SYSTEM

High-torque, Class F insulated AC traction motor. Direct drive full oil bath transmission, operates through a 22.9:1 gear reduction in ductile iron housing with heat treated helical gears and tapered roller bearings.

The drive motor, transmission, brake and drive wheel are coupled to the control arm via pivot tube that provides the operator direct control of all drive functions.

The entire drive system is mounted within the truck frame for maximum protection.

BRAKES

Electric brake is mounted on the drive motor armature shaft utilizing the transmission gear ratio to multiply the braking force for reliable stopping. The entire drive system is mounted within the truck frame for maximum protection. The drive unit is fully supported by an oversize turntable bearing.

ACCESSIBILITY

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

OPTIONAL EQUIPMENT

- Hour meter
- Battery discharge indicator (BDI)
- Key switch
- Lift lock out
- Remote lift/lower buttons in handle
- 36", 42" or 48" wide fork carriage
- Maintenance free batteries
- Remote lift/lower box

OPTIONAL ATTACHMENTS

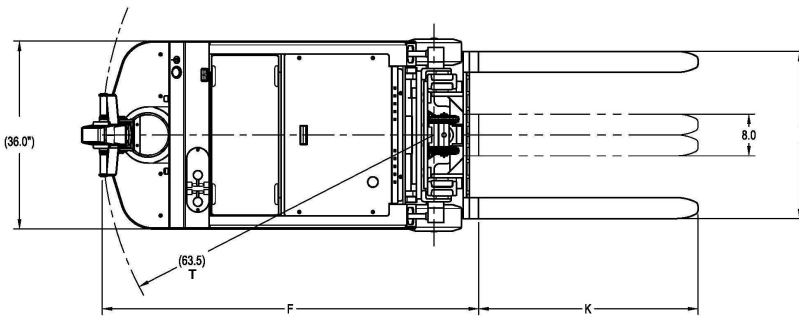
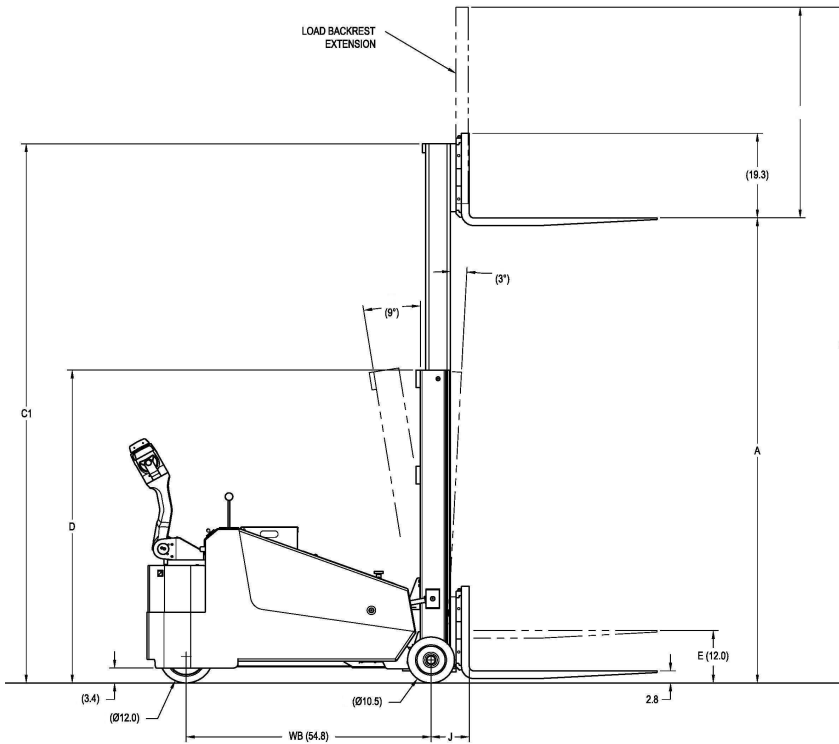
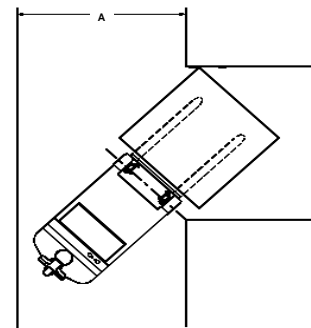
- Sideshifter
- 4-way auxiliary hydraulics

Right Angle Stacking Requirements Aisle Dimensions Class 1 Sit-downs vs. PDCE PDC vs. PDCE

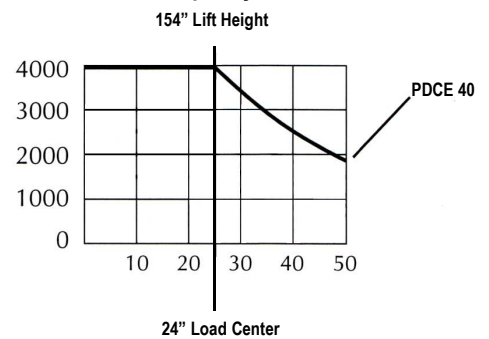
A = Aisle B = Bay

4000 lb Model	Truck Length	Load Size			
		40" x 48"		48" x 48"	
		B	A	B	A
Sitdown Electric 3-Wheel	77	48	125	54	125
Sitdown Electric 4-Wheel	84	48	133	54	133
PDC-40	73	48	130	54	130
PDCE-40	72	48	120	54	120

- Aisle dimensions listed have zero clearance
- Add 12" for ease of use
- PDCE includes power steering



Load Capacity Chart



Model #	Capacity at 24" Load Center	Lift Height	Extended Height	Col Height	Free Lift Height	Power Head Length	Turning Radius	Fork Face to Center of Load Wheel	Battery 24V	Charger 24V	Ship Weight
		A	Cc	C1	E						
PDCE 40 Series											
PDCE-40-60	4000	60	108	77.5	58	72.31	63.5	8.75	510 AH (1042 lbs.)	75 Amp (90 lbs)	5240
PDCE-40-106	4000	106	154	71.5	12	72.12	63.5	8.56			5690
PDCE-40-130	4000	130	178	83.5	12	72.12	63.5	8.56			5810
PDCE-40-154	4000	154	202	95.5	12	72.12	63.5	8.56			5930
PDCE-40-168	4000	168	216	102.5	12	72.12	63.5	8.56			6000