

PDCM



STANDARD EQUIPMENT

- **Interlocked I-Beam Mast.**
The premium steel mast construction features interlocked steel channel and I-Beam design and roller-bearing surfaces for long mast life. Interlock channel and I-Beam mast accommodates high lifting stresses and maintains load stability.
- **Direction Reversing Impact Switch.**
A reversing switch, built into the control handle is designed to reverse truck direction on impact with the operator.
- **Versatile Braking Systems.**
 - Two-way mechanical brake in top and bottom of handle arc actuates automotive-type disc brake in proportion to handle movement, allowing operator complete control of braking. When released, "dead man" feature returns handle to upright position, turns off electric power and applies the brake.
 - Dynamic brake, actuated by push-buttons in the control handle, provides gentle, jar-free electrical braking for accurate payload positioning and protection.
- **Easy Access Service Panel.**
Full-access design makes maintenance fast and easy. Hinged doors and removable panels permit quick access to electrical circuitry, drive train and hydraulic components for all normal maintenance.
- **Fully Protected Electrical System**
Fully fuse protected, heavy-duty industrial contactors are standard. All wiring is coded and has quick-disconnect terminals for easy servicing.
- **High Strength Construction.**
Unitized continuous welded steel in every Big Joe frame minimizes structural deterioration.
- **Dual Tilt Cylinders (PDC only).**
For greater safety, less twisting and distortion of mast section.
- **Emergency Power Disconnect.**
Externally mounted, quick-release battery disconnect is readily accessible to remove all power from truck circuits in the event of an emergency.
- **Special Alloy Forks.**
Heavy-duty I.T.A. forks are heat-treated alloy steel and formed to preserve full strength at the fork heel. Bottom taper of 14 inches and beveled fork tips allow easy pallet entry and exit.
- **I.T.A. Class II Carriage (PDC only).**
I.T.A. Class II Carriage makes changing from forks to attachments simple. No tools or pin removal are required. Changing outside fork dimension is equally easy.
- **Chrome Plated Lift Cylinder.**
For long life and low ram maintenance.
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SPECIFICATIONS

Lifting Capacity:

2,000 to 2,500 lbs. at 24" load center

Lift Range: 60" - 154"

Power System: 24V, built-in fully automatic charger included

Turning Radius: From 48"

Travel: Three speeds forward and reverse
(infinitely variable speed control available)

PERFORMANCE:

Travel speeds (in mph) with rated payload up to

	PDCM	PDCM	PDC	PDC
	20	25	15	20
12V	NA	NA	2.6	2.3
24V	2.8	2.7	2.8	2.6
	PDC	PDC	PDC	EMPTY
	25	30	40	
12V	2.3	2.2	2.1	2.8
24V	2.6	2.5	2.2	3.0

Lift speeds (fpm) up to

	24V	24V	12V	24V
	PDCM	PDCM	PDC	PDC
	20	25		
EMPTY	26	42	30	42
LOADED	19	22	18	22

FEATURES

- **Advanced handle control.**
Big Joe Power Drive Counterbalanced (PDC/PDCM) models come equipped with the industry's most versatile control handle. Speed may be controlled with twist grip or thumb control. Includes 3-speed forward and reverse detent action speed control; thumb control of horn and dynamic brake (optional on PDCM). "Belly-button" switch at end of handle reverses truck direction on operator contact.
 - Optional Stepless Speed Control.
 - Infinitely variable speed control is available.
- **Exclusive power train design.**
Engineered for smooth, dependable performance.
Includes:
 - Drive Motor.
Ball bearings and Class H insulation provide maximum performance with long life. Disc brake on armature shaft multiplies braking force through the gear reduction to drive wheel.

- **Steering.**
The entire drive train is ball bearing mounted to ensure long service life and low steering effort. Power is delivered to the floor through a large, smooth rolling polyurethane tire for positive traction and long life.
- **Transmission.**
Heavyweight ductile iron housing protects wide-faced, heat-treated spur gears; premium ball and tapered roller-bearings; and provides for full oil bath lubrication.
- **Easy access service panel.**
Full-access design makes maintenance fast and easy. Hinged doors and removable panels permit quick access to battery, electrical circuitry, drive train, and hydraulic components for all normal maintenance. Most major components can be serviced without special tools.

PDCM-20 Series	
PDCM-20- 60 24Volt	2,000 Lbs. @ 24"L.C. 60" Lift, 24V
PDCM-20-106 24Volt	2,000 Lbs. @ 24"L.C. 106" Lift, 24V
PDCM-20-130 24Volt	2,000 Lbs. @ 24"L.C. 130" Lift, 24V
PDCM-25 Series	
PDCM-25-60 24Volt	2,500 Lbs. @ 24"L.C. 60" Lift, 24V
PDCM-25-106 24Volt	2,500 Lbs. @ 24"L.C. 106" Lift, 24V
PDCM-25-130 24Volt	2,500 Lbs. @ 24"L.C. 130" Lift, 24V
PDCM-25-154 24Volt	2,500 Lbs. @ 24"L.C. 154" Lift, 24V

