

# PDR



## STANDARD EQUIPMENT

- **Reach Mechanism.**  
Heavy-duty, pantograph-type reach mechanism extends 24". Dual reach and tilt cylinders with chrome plated rods used on all units.
- **Interlocked I-beam Mast.**  
The premium-grade steel mast construction features interlocked steel channel and I-beam design and roller-bearing surfaces for long mast life. Interlocked channel and I-beam mast accommodates high lifting stresses and maintains maximum load stability.
- **Large Direction Reversing "Belly-button" Impact Switch:**  
Provides operator protection when maneuvering. Upon body contact, switch activates low speed in the opposite direction.
- **Versatile Braking Systems.**  
Two-way mechanical linkage actuates an automotive-type disc brake when the handle is positioned in the top or bottom of its arc. "Dead-man" feature returns the handle to its upright position, cuts out travel power, and automatically engages the brake if the handle is inadvertently released.
- **Easy Access Service Panel.**  
All Big Joe models are designed to make maintenance fast and easy. Hinged doors and removable panels permit access to battery, electrical circuitry, drive train, and hydraulic components for all normal maintenance. Most major components can be serviced without special tools.
- **Fully Protected Electrical System.**  
Fully fuse protected, heavy-duty 100 ampere industrial contactors are standard. All wiring is coded for easy servicing.
- **Transmission.**  
Heavyweight ductile iron housing protects large, heat-treated spur gears; premium ball and tapered roller-bearings are fully bathed in oil.
- **Drive Motor.**  
Ball bearings and Class H insulation provide maximum performance with long life.
- **Steering.**  
The entire drive train pivots on a thrust bearing 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.
- **Construction.**  
Interlocked channel and I-beam on mast and solid bar straddles provide extra rigidity.
- **Tilt.**  
Carriage tilts 3° forward and 6° backward and is designed to operate in all reach positions and at all lifting heights.
- **Chrome Plated Lift Cylinder.**  
For long, maintenance-free lift cylinder life.
- **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.**  
I.T.A. Class II Carriage makes changing fork spacing simple. No tools or pin removal are required.
- **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.
- **Tandem Load Wheels.**  
4" tandem polyurethane load wheels standard on all models.

## OPTIONS

*(other options available, consult factory)*

- **Full Free Lift.**  
Allows fork carriage to extend to the top of the first stage before the second stage begins to extend. For lifting in areas limited by overhead clearance. Reduces lift and collapsed height 2" (consult factory).
- **Stepless Speed Control.**  
Infinitely variable speed control is available.

## SPECIFICATIONS

### Models

#### **PDR 20**

**Lifting Capacity:** 2,000 at 24" load center

**Lift Range:** 106" - 154"

**Power System:** 12V/24V, with fully automatic charger

**Turning Radius:** From 65"

#### **PDR 20 Tri-Mast®**

**Lifting Capacity:** 2,000 at 24" load center

**Lift Range:** 158" - 194"

**Power System:** 24V, with fully automatic charger

**Turning Radius:** From 68"

#### **PDR 30**

**Lifting Capacity:** 3,000 at 24" load center

**Lift Range:** 106" - 154"

**Power System:** 12V/24V, with fully automatic charger

**Turning Radius:** From 65"

#### **PDR 30 Tri-Mast®**

**Lifting Capacity:** 3,000 at 24" load center

**Lift Range:** 158" - 194"

**Power System:** 24V, with fully automatic charger

**Turning Radius:** From 68"

**Battery Compartment Size:** 6 11/16" x 30 7/8", 11 1/8" x 31 5/8", 13" x 30 7/8"

**Fork Length x Width x Thickness:** Choice of 36", 42", 48" x 4" x 1 1/2"

**Fork Lowered Height (max.):** 2 3/4" (2" for Tri-Mast® and Full Free Lift Models)

**Fork O.D. Range:** 8" (min.) - 32" (max.)

**Fork Tilt:** 3° forward, 6° backward

**Fork Reach:** 24"

PDR-20 Series 24 Volt	
<a href="#">PDR-20-106</a>	2,000 Lbs. @ 24"L.C. 106" Lift, 24V
<a href="#">PDR-20-130</a>	2,000 Lbs. @ 24"L.C. 130" Lift, 24V
<a href="#">PDR-20-154</a>	2,000 Lbs. @ 24"L.C. 154" Lift, 24V
<a href="#">PDR-20-158</a>	2,000 Lbs. @ 24"L.C. 158" Lift, 24V
<a href="#">PDR-20-194</a>	2,000 Lbs. @ 24"L.C. 194" Lift, 24V
PDR-30 Series 24 Volt	
<a href="#">PDR-30-106</a>	3,000 Lbs. @ 24"L.C. 106" Lift, 24V
<a href="#">PDR-30-130</a>	3,000 Lbs. @ 24"L.C. 130" Lift, 24V
<a href="#">PDR-30-154</a>	3,000 Lbs. @ 24"L.C. 154" Lift, 24V
<a href="#">PDR-30-158</a>	3,000 Lbs. @ 24"L.C. 158" Lift, 24V
<a href="#">PDR-30-194</a>	3,000 Lbs. @ 24"L.C. 194" Lift, 24V

