

Electric Powered Pallet Truck **BLUE GIANT**[®]

EPJ-45

Low cost electric pallet truck, ideal for crowded loading docks, work cells and congested aisles.

CAPACITY

- 4500 lb (2041 kg)

BATTERY

- 24-volt 224 AH AGM maintenance-free battery pack with built-in 110V AC charger
- Minimum battery weight: 175 lb (79.4 kg)
- AH capacity (min/max): 180/255
- Compartment dimensions (open): 26.4" x 9.1" (671 mm x 231 mm)
- Connector: SB-175 Gray—A-11

SPEED

- **EMPTY:** 0 - 3.66 mph (5.9 kph)
- **LOADED:** 0 - 3.5 mph (5.6 kph)

TIRES / WHEELS

- **DRIVE:** 9" x 3" (229 mm x 76 mm) polyurethane
- **LOAD:** 3.3" x 4.5" (84 mm x 114 mm) polyurethane
- Press-on polyurethane drive tire

HYDRAULICS

- Lift cylinder with hard chrome plated rods
- Pump unit including motor, gear pump, and solenoid are actuated using pressure compensated lowering valve

ELECTRICAL

- 24-volt ZAPI AC-0 travel control-inverter with matching drive motor provides high performance throughout the entire speed range
- Monarch drive motor
- Automatic rise and fused circuit protection
- Low battery lift interrupt
- Hour meter / battery discharge indicator combo

BRAKES

- Regenerative electromagnetic brake mounted on motor armature shaft, multiplying braking power through the transmission
- ZF GK10 transmission
- Brake is applied when control arm is in the vertical or horizontal position
- Neutral braking resists roll back on ramp

OPERATION / CONTROLS

- Ergonomic operator handle with travel, lift, and lower functions
- Angle grips allow easy operation with either hand
- Wrap-around guard
- Reversing switch
- Thumb control and horn



- Gas-assisted spring handle
- Creep speed function while steer handle is at 5° back-tilt from vertical

TRANSMISSION

- Vertically mounted drive motor direct mounted to gear housing
- Oil-bathed ZF GK10 hypoid bevel gear drivetrain
- State-of-the-art optimized gear technology provides minimal envelope circle, zero maintenance, and low noise level

BEARINGS

- **DRIVE WHEEL:** Tapered roller bearings sealed in oil bath
- **LOAD WHEELS:** Sealed ball bearings
- **FORK LINKAGE:** Self-lubricated heat-treated bushing

ACCESSIBILITY

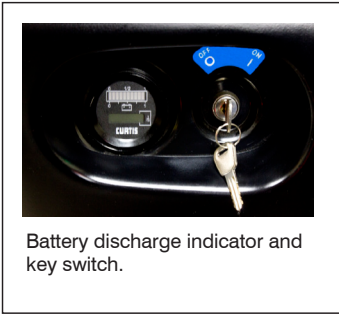
- Removal of one piece power head cover exposes major components for inspection and maintenance
- Drive tire can be removed with one nut

STANDARD EQUIPMENT

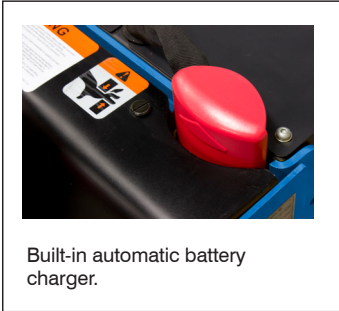
- Steel wrap-around bumper

OPTIONAL EQUIPMENT

- Fork lengths: 36" or 60" (914 or 1524 mm)
- Fork widths: 18" or 21" (457 or 533 mm)
- 48" (1219 mm) tall load back rest
- Stability casters
- Cold conditioning
- 8.1" (206 mm) battery compartment



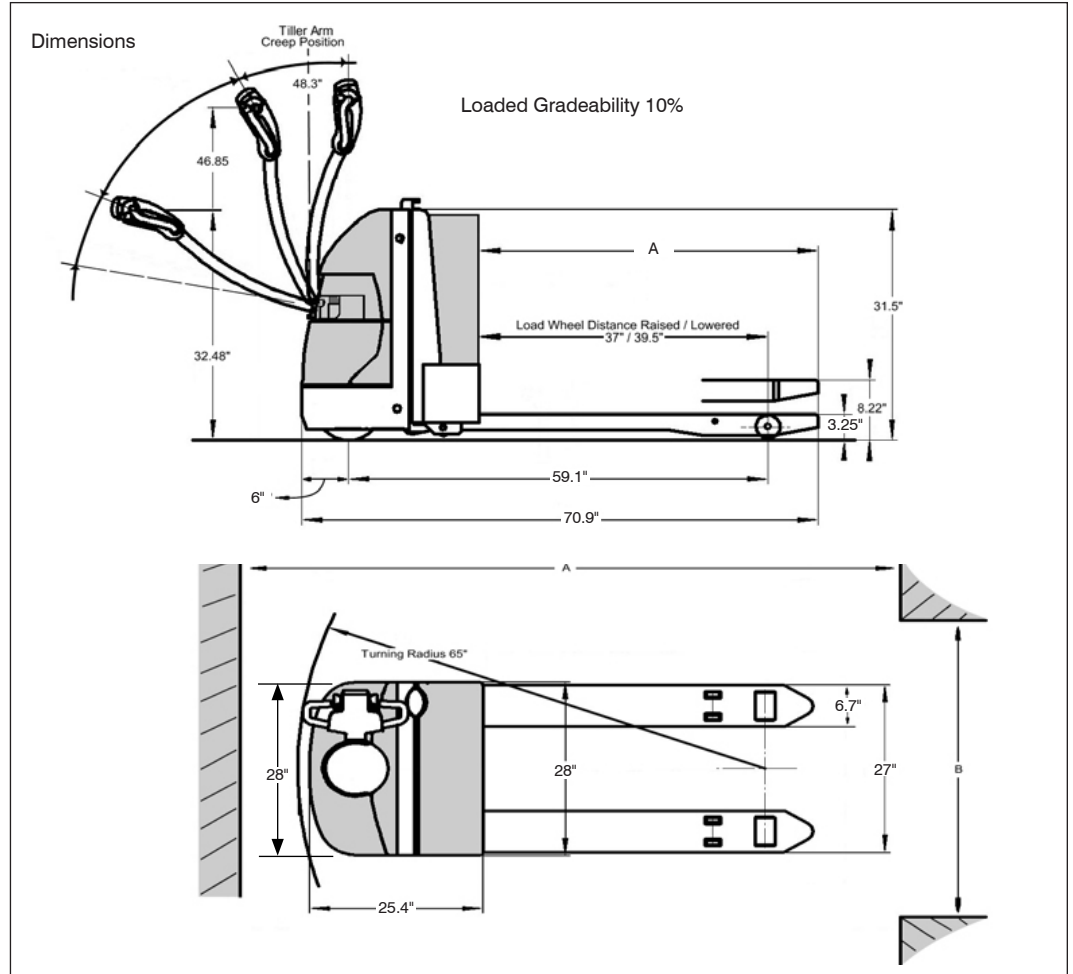
Battery discharge indicator and key switch.



Built-in automatic battery charger.



Ergonomic operator's handle



| Gradeability | |
|-------------------|--------------|
| Without Load | 10% |
| With Load | 6% |
| Travel - Variable | |
| Empty | 0 to 3.6 mph |
| Loaded | 0 to 3.5 mph |

| Model# | Forks | Actual Fork Width | Actual Fork Length | Turning Radius | Wheel-base | Overall Length | Inside Fork Width | Weight* | |
|---|------------------------------|-------------------|--------------------|------------------|--------------------|--------------------|-------------------|---------|-----|
| | | | | | | | | lb | kg |
| Fork Dimension: 27" (686mm) Wide | | A | B | C | D | E | F | | |
| EPJ-45 | 27" x 36" (686 x 914 mm) | 27" (686 mm) | 33.5" (851 mm) | 56" (1422 mm) | 50.1" (1273 mm) | 61.9" (1572 mm) | 13.4" (340 mm) | 875 | 397 |
| | 27" x 48" (686 x 1219 mm) | | 45.5" (1156 mm) | 68" (1727 mm) | 59.1" (1501 mm) | 70.9" (1800 mm) | | 885 | 401 |
| | 27" x 60" (686 x 1524 mm) | | 57.5" (1461 mm) | 80" (2032 mm) | 73.7" (1872 mm) | 85.5" (2171 mm) | | 910 | 413 |
| Fork Dimension: 21" (533mm) Wide | | | | | | | | | |
| EPJ-45 | 21" x 36" (533 x 914 mm) | 21" (533 mm) | 33.5" (851 mm) | 56" (1422 mm) | 50.1" (1273 mm) | 61.9" (1572 mm) | 7.6" (193 mm) | 875 | 397 |
| | 21" x 48" (533 x 1219 mm) | | 45.5" (1156 mm) | 68" (1727 mm) | 59.1" (1501 mm) | 70.9" (1800 mm) | | 880 | 399 |
| Fork Dimension: 18" (457mm) Wide | | | | | | | | | |
| EPJ-45 | 18" x 36" (457 x 914 mm) | 18" (457 mm) | 33.5" (851 mm) | 56" (1422 mm) | 50.1" (1273 mm) | 61.9" (1572 mm) | 4.6" (117 mm) | 875 | 397 |
| | 18" x 48" (457 x 1219 mm) | | 45.5" (1156 mm) | 68" (1727 mm) | 64.9" (1648 mm) | 70.9" (1800 mm) | | 880 | 399 |

Dimensions listed above are based on 9.1" battery compartment

* Estimated shipping weight with (2) battery



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