



500WPE

Electric Walkie Low Lift • 5,000 lbs. Capacity • 12 Volt

Hydraulic System

Lift ram is hard chrome plated. Pump unit including motor, gear pump, and solenoid-actuated, pressure-compensated lowering valve is mounted high in power compartment for accessibility. 4.5" diameter motor, 2.9 H.P., 2.2 Kw

Electrical System

State-of-the-art transistor controller requires no contactors to control separately excited drive motor. Infinitely variable speed control with class "H" insulated motor. Emergency power cut-off switch. Line contactor to protect against reverse polarity.

Drive motor controller is fully programmable with service tool handset. Power On Self Test and run-time diagnostics provide exceptional reliability. Complete diagnostics can be performed with service tool handset.

Controls

Travel speeds, lift/lower controls, horn, and reversing switch are located in ergonomically correct handle and operable with either hand. Mid-mounted control handle keeps operator at proper distance from undercarriage when walking and provides for ease of steering. Reversing switch, key switch, and horn button are standard. Thumb control is standard.

Brake System

Drum brake is mounted on motor armature shaft greatly multiplying braking power through the double reduction transmission. Brake is applied when control handle is within 12 1/2° of vertical or 10 1/2° from horizontal position.

Traction Motor

Motor direct mounted to gear housing. Double reduction 22:1 helical and spur gear drive train transfers power most efficiently from drive motor to axle. Simple basic design provides long life and minimum maintenance. The entire closed power train operates in oil bath. 6.75" diameter motor, 1.1 H.P., .9 Kw

Bearings

Drive Wheel - Tapered roller bearings running in oil in sealed case.

Load Wheels - Greaseable sealed ball bearings.

Transmission Support - Vertical thrust and horizontal loads carried by two extra heavy-duty tapered roller bearings.



Fork Linkage - Self-lubricating heat-treated steel bushings. Lubrication fittings on all pivot points are standard.

Accessibility

Drive tire can be removed with one nut. For quick access to major components, release door latch and swing open door.

Standard Equipment

- Infinite variable transistor speed controller
- Thumb control on handle
- Key switch, horn
- Reversing switch in handle
- Emergency power disconnect
- Automatic resetting circuit breakers
- Raise and lower switches in handle
- Hydraulic overload protection valve
- Forks - 27" overall width x 48" length with 6" lift
- SB-175 yellow battery connector

- 3.25" x 6.0" Polyurethane load wheels
- 10.5" x 5.0" Rubber drive tire
- Lubrication package for pivot points

Optional Equipment

- Various tire compounds
- Optional fork lengths and widths
- Optional battery compartment size
- Hour meter
- Battery discharge indicator with lift interrupt and hour meter
- Battery discharge indicator and hour meter combination
- Load backrest, 48", 60" or 72" high
- Cold storage conditioning
- Battery compartment rollers with right- or left-hand exit gate
- Chassis casters
- Fork entry rollers
- Twist grip
- Toggle switch
- Safety yellow or orange paint

