

SERCO 4500

MATERIAL HANDLING LOADERS

- **5,510 LB. CAPACITY**
- **BOOM REACH TO 20'**
- **INSTALLED WEIGHT OF 4,500 LBS, INCLUDING GRAPPLE**
- **FIXED DISPLACEMENT LOAD SENSING HYDRAULIC SYSTEM**



SERCO 4500

LIFT CAPACITIES (LESS WEIGHT OF ATTACHMENT):

- 5' Radius • 5,510 lbs.
- 10' Radius • 4,402 lbs.
- 15' Radius • 2,961 lbs.

BOOM REACH:

- 17' Boom w/ 3' Hydraulic Squirt Extension (Total 20' Reach)

ROTATION:

- 600 Degree Rotation with Mechanical Stops and In-Line Hose Swivels

WEIGHT:

- 3,640 lbs. (Excluding Hydraulic Oil and Attachment)
- 4,093 lbs. (With Tank and Oil, Without Attachment)

STANDARD FEATURES

LOADER FRAME:

- A-Frame Type, Fabricated From Extra High Strength Steel Plate.
- Single, Heavy Duty Access Ladder

MAIN AND SECONDARY BOOMS:

- Fabricated From Extra High Strength Steel Plate and Reinforced at all Stress Points.

BOOM CYLINDERS:

- 4" x 27" x 2-1/2" Double Acting Main and Secondary Cylinders with Ductile Iron Pistons and Glands with Wear Rings, Chrome Plated Shafts and Bolt-On Glands. Counterbalance Valve on Main Lift Cylinder. Dual Counterbalance Valves on Jib Cylinder.
- 2-1/2" x 36" x 1-1/2" Double Acting Squirt Boom Cylinder with Ductile Iron Piston and Glands with Wear Rings, Chrome Plated Shafts and Screw On Gland Cap.

BOOM PINS:

- 2" Main and Knuckle Pins, 1-3/4" Cylinder Pins

BUSHINGS:

- Aluminum Bronze Bushings in Boom Pivot Points

SWING SYSTEM:

- Planetary Gearbox with Piston Hydraulic Motor
- 20-1/2" External Tooth Turntable Bearing.

STABILIZERS:

- Fold-A-Way Type Stabilizers with 14'0" Spread at Grade Level, Individually Controlled from Operator's Station for Adjustment on Uneven Terrain.
- 4" x 27" x 2-1/2" Double Acting Cylinders with Ductile Iron Pistons and Glands with Wear Rings, Chrome Plated Shafts, Bolt-On Glands and Load Locks.

ROTATING OPERATOR'S PLATFORM:

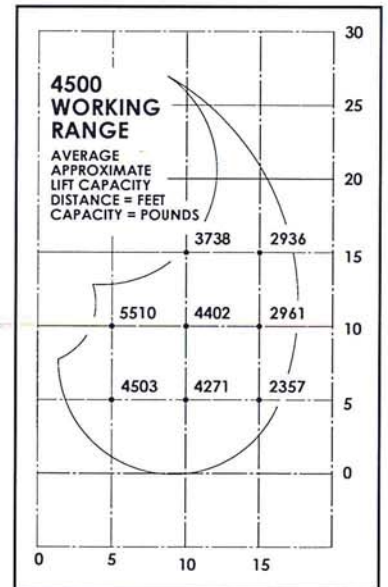
- Dual Mechanical Joystick Controls for Boom and Grapple Functions
- Foot Controlled Swing Pedal – Side to Side
- Foot Pedal Squirt Boom Control – Heel / Toe
- Seat Safety System Neutralizes Hydraulic System Functions While Accessing Operators Station

HYDRAULIC SYSTEM:

- Fixed Displacement, Load-Sensing Hydraulic System
- Single Vane Hydraulic Pump Providing 20 GPM @ 1400 RPM.
- Operating Pressure – 2800 psi.
- Stack Type Control Valves Located Under Seat for Increased Operator Visibility and Safety.
- 30 Gallon Truck Frame Mounted Hydraulic Oil Reservoir with High Capacity, 10 Micron Return Filter.
- Folding Mechanical Joystick Controls
- 4-Wire Reinforced Hydraulic Hose in all Pressure Applications.
- Properly Sized Main Pressure and Return Lines for Hydraulic Efficiency & Economy

OPTIONS:

- Telescopic Stabilizers
- Dual Stage, H-Type Stabilizers
- Various Attachments



SPECIFICATIONS SUBJECT TO CHANGE WITHOUT PRIOR NOTICE

SERCO LOADERS

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