

SERCO 160

TRUCK MOUNTED KNUCKLEBOOM LOADER

- *UP TO 17,797 LB. CAPACITY*
- *BOOM REACH TO 29'*
- *400° ROTATION*
- *NUMEROUS ATTACHMENT OPTIONS*



GENERAL SPECIFICATIONS

LIFT CAPACITIES:

- 10' Radius 17,797 lbs. (Less Weight of Attachment)
- 15' Radius 11,781 lbs.
- 20' Radius 8,656 lbs.
- 25' Radius 5,132 lbs.

BOOM REACH:

- 25' Knuckle Boom
(29' Total Reach with Optional Telescopic Boom)

ROTATION:

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

STANDARD FEATURES

LOADER FRAME:

- Fabricated Tube Type, Subframe with Fold-A-Way Stabilizers.
- 14' 6" Stabilizer Spread
- Dual, Heavy Duty Access Ladders

MAIN AND SECONDARY BOOMS:

- Fabricated From High Strength Structural Steel Tubing and Reinforced at all Stress Points.

BOOM CYLINDERS:

- 7" x 43" x 3.5" Double Acting Main Lift Cylinder with Ductile Iron Piston and Gland with Wear Rings, Chrome Plated Shaft.
- 6" x 36" x 3" Double Acting Secondary Boom Cylinder with Ductile Iron Piston and Gland with Wear Rings and Chrome Plated Shaft.

BOOM PINS:

- 2.5" Main and Knuckle Pins,
2" Cylinder Pins

BUSHINGS:

- Aluminum Bronze Bushings in Boom Pivot Points



SWING SYSTEM:

- Planetary Gearbox with Hydraulic Motor
- 30" Diameter External Tooth Turntable Bearing.

STABILIZERS:

- Fold-A-Way Type Stabilizers with 14' 6" Spread
- 6" x 24" x 3" Stabilizer Cylinders with Load Locks.
- 2" Diameter Stabilizer Pins, 1-1/2" Pad Pins

ROTATING OPERATOR'S PLATFORM:

- Dual Mechanical Joystick Controls for Boom and Grapple Functions (Fold Down Type)
- Foot Controlled Swing Pedal – Side to Side
- Fold-Down Operators Seat
- Seat Belt

HYDRAULIC SYSTEM:

- Triple Gear Hydraulic Pump.
- Operating Pressure – 2450 psi.
- Stack Type Control Valves Located Under Seat.
- 55 Gallon In-Frame Hydraulic Oil Reservoir with High Capacity, 10 Micron Return Filter and Removable Access Cover.
- 4-Wire Reinforced Hydraulic Hose in all Pressure Applications.

OPTIONS:

- Various Grapples and Attachments
- Work Light Packages
- Remote Truck Frame Mounted Hydraulic Oil Reservoirs
- Hydraulic Oil Coolers
- Continuous Rotation with Hydraulic Collector
- Light Packages
- Telescopic Boom
- Mechanical Outboard Joystick Control Package
- Operators Cab
- Magnet Generator Packages

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT PRIOR NOTICE

SERCO LOADERS

Two Harbors, MN 55616
Phone: (218) 834-5118
FAX: (218) 834-2498

Email: serco@sercoloaders.com
Web: www.sercoloaders.com



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