



Knuckle Boom Loader

Model XLT 170

The Lemco Model XLT 170, Knuckle Boom Loader, is the heavy lift champion of the Lemco line-up. It is designed for heavy duty logging, pole handling and construction applications.



KEY FEATURES & BENEFITS INCLUDE:

High Lift Capacity To Weight Ratio - Better steel, better design and fabrication techniques equals a higher lift capacity to weight ratio, increasing your overall payload.

State of the Art Hydraulic System - Dual, hydraulic joystick controls and a load sense, high pressure piston pump allows for smooth, precise movements.

Stable - A unique, "A" frame, "kick out" styled stabilizer design provides better stability.

Versatile - Two boom length options (straight or knuckle under-stores over the truck cab) and a host of attachments, the Model XLT 170 can be used in a wide variety of heavy lift applications and adapted to various working environments.

Easier Access - Dual ladders allow the loader to be accessed from either side.

Continuous Rotation - Allows operator to work at all angles in an efficient manner without twisting hoses.

Purpose-Built - A custom designed, knuckle under boom with optional dead heels are the perfect solution for handling up to 125' poles.

Builrite Lemco
530 Recycle Center Drive
Two Harbors, MN 55616

☎ 218-834-5555 ✉ sales@builrite.com 🌐 www.builrite.com

P/N LEMCO XLT 170 9-9-2024



TENAMEC
ENGINEERED TOUGH

Model XLT 170 Specifications

LIFT CAPACITY with 23' Boom

Option (Less Attachment)

- 20,000# (9,090 Kg.) @ 8' (2.4M)
- 17,400# (8,500 Kg.) @ 10' (3.0M)
- 12,100# (5,636 Kg.) @ 15' (4.6M)
- 9,200# (4,181 Kg.) @ 20' (6.1 M)

LOADER WEIGHT (Less Grapple)

- 9,000 Lbs. (4,091 Kg.) Dry Weight-
- Note: Weight will vary, depending upon options

23' (7.0 M) BOOM OPTIONS

- Straight
- Knuckle Under (Pole Handling)

BOOM CONSTRUCTION

- Highest quality, high tensile steel
- Fabricated Boom Structure
- 4140 TGP pins with aluminized bronze bushings
- Maximum lifting height of 35'
- Radius (may vary, depending upon type of carrier & optional boom length)

CYLINDERS

- Main Cylinder: 6" Bore x 36" Stroke x 4" Chrome Steel Rod
- Jib Cylinder: 6" Bore x 36" Stroke x 4" Chrome Steel Rod
- Stabilizer Cylinders: 4" Bore x 52" Stroke x 2" chrome steel rod
- Cylinder Wear Rings on Pistons & Glands
- Rods with heavy chrome plating

TOWER & STABILIZERS

- "A" Frame, kick-out type stabilizers for maximum stability
- 3 Stabilizer Spread Options (14' Standard)
 - 12', -14', -16'
- Easy access to hydraulic swivel manifold & hoses

ROTATION SYSTEM

- Continuous rotation
- 32" Diameter external tooth bearing.

MINIMUM TRUCK FRAME

STRENGTH REQUIREMENT (RBM)

- 2.6 Million Inch Pounds



HYDRAULIC SYSTEM

- Variable, load sense, piston pump
- Load sense, pressure compensated directional valve
- Hydraulic pilot controls (joysticks and foot pedal)
- 50 Gallon Hydraulic Reservoir with site gauge, thermometer, in-tank screen filters & stainless steel coil for cold weather heating
- 3850 PSI Operating System
- Dual micron filters protect the hydraulic system
- Stack valves
- Main relief, anti-cavitation and port relief are used for precise control and unit protection
- High pressure filters
- Return line filter
- Long-lasting hoses - 4 braid on pressure lines, main lift and jib cylinder

OPERATOR'S PLATFORM

- Fully supported seat, positioned for maximum visibility
- Two joystick operating system
- Front operator's guard
- Dual access ladders
- Lights mounted on platform

AVAILABLE OPTIONS

- Hydraulic Oil Cooler
- 50 Gal, Hydraulic Tank w/ sight gauge
- Dead Heel - Main Boom
- Dead Heel - Jib (Stick) Boom
- Platform Lights
- Joystick Hand Warmers
- Custom Colors (Gray/Black Standard)

ATTACHMENTS

Lemco offers a wide range of grapples, including:

- Bypass log grapples
- Bypass log grapples with protective wraps (for pole handling)
- Butt styled grapples
- Trash (municipal waste) grapples

Let us know your specific application and we will match it with the attachment that will best suit your application.

