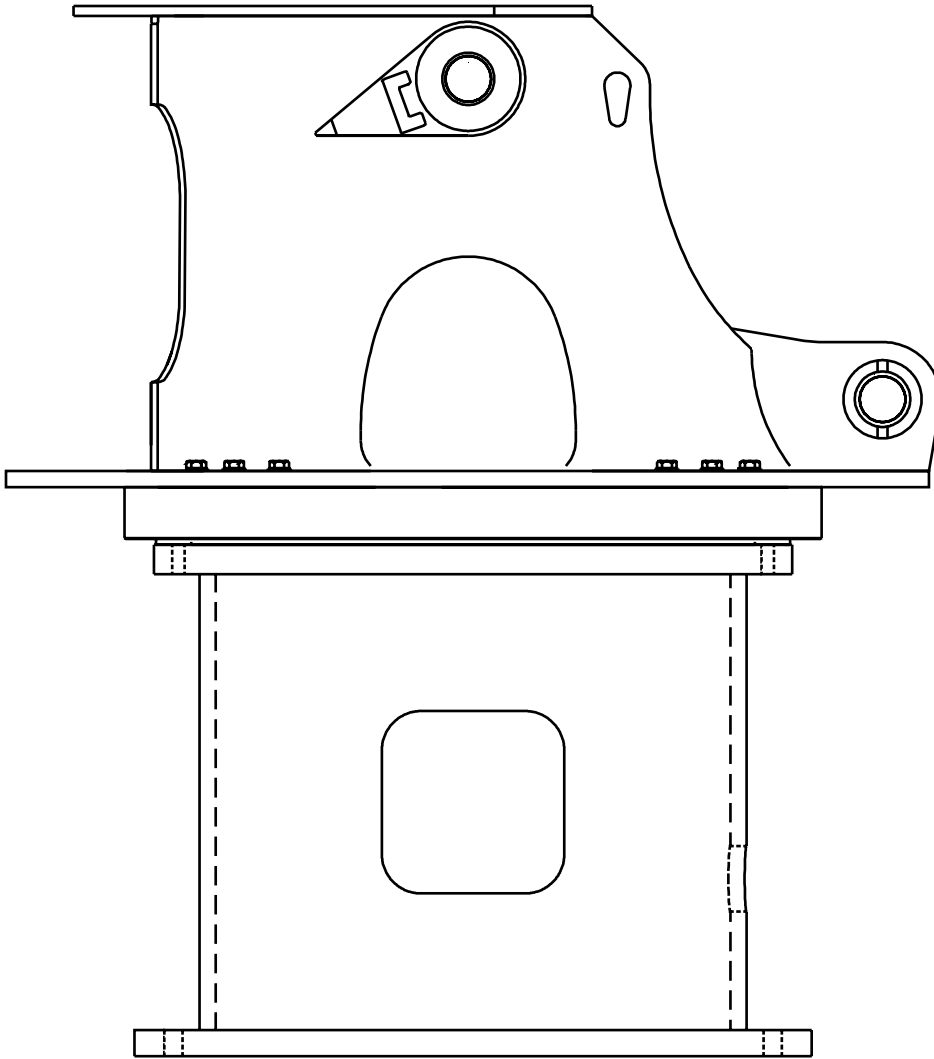


# 595ML SER ERS

KNUCKLEBOOM LOADERS > STATIONARY MOUNTS

INDUSTRIAL

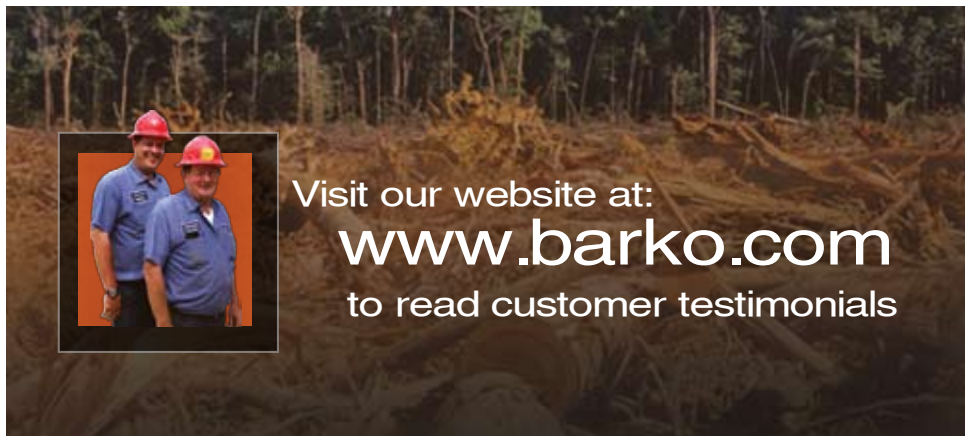


## Introducing the Barko 595ML SER ERS

The Barko 595ML SER-ERS is our 595ML SE (stationary electric) with a remote power unit and an ERS (electric remote station) instead of a cab.

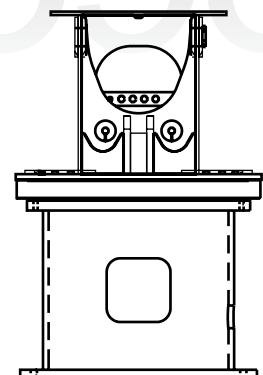
Dependable. Exceptional. BEAUTIFUL. That's what customers say about the Barko 595ML SER-ERS. One of our largest and most powerful knuckleboom loader (material handler) also provides increased work productivity, and the lowest total cost of operation than any other product on the market.

It is BEAUTIFUL, but don't let that fool you. The power and swing torque of the 595ML SER-ERS makes it a BEAST capable of delivering up to 25% more loads every day. Equipped with more standard features than its competitors, the 595ML SER-ERS lasts longer, performs harder, and delivers the results you expect. There's nothing better than a Barko – You owe it to yourself to feel the difference!



Visit our website at:  
[www.barko.com](http://www.barko.com)  
to read customer testimonials

# 595



**BARKO** HYDRAULICS, LLC

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WWW.BARKO.COM

# 595ML SER ERS

KNUCKLEBOOM LOADERS > STATIONARY MOUNTS

INDUSTRIAL

## MAXIMUM LIFT CAPACITY

32' 0" (9.75 m) straight boom, less attachment.

Radius	Lift	
12' (3.65 m)	38,180 lbs.	(17,318 kg)
15' (4.57 m)	30,290 lbs.	(13,739 kg)
20' (6.10 m)	22,580 lbs.	(10,242 kg)
25' (7.62 m)	17,990 lbs.	(8,141 kg)
30' (9.14 m)	12,810 lbs.	(5,810 kg)
32' (9.75 m)	7,770 lbs.	(3,524 kg)

## BOOM DATA

Main	32' 0"	(9.75 m)
Stick	18' 6"	(5.64 m)
Stick	13' 10"	(4.22 m)

Boom structure: All welded construction with fabricated box type design. Aluminum bronze bushing with grease grooves at boom pivot points.

## BOOM REACH

Vertical height based on 33" (838 mm) high pedestal.

30' 6"	(9.75 m)
Horizontal	32' 0" (9.75 m)
Vertical	37' 7" (11.45 m)

## CYLINDERS

Hydraulic cylinders with wear rings on pistons and bolt on glands for extended life. All cylinders are made of heavy wall steel tubing. Induction hardened cylinder rods with heavy chrome plating.

Main boom: 7" x 51" (178 mm x 1295 mm)

with 4" (102 mm) rod.

Stick boom: 7" x 35" (178 mm x 889 mm)

with (102 mm) rod.

Spherical bearings at all boom cylinder pivots.

## AVAILABLE POWER SOURCES

Drip-proof encapsulated electric motor, 125 HP,

3-phase, 460 volt, 60 Hz, operates at 1800 RPM.

Electric collector: 4-pass, 300 amp capacity on each ring, mounted in pedestal base with continuous rotation only.

Electrical package: Breaker, NEMA 4 enclosure with motor start circuit and 3 phase power monitor.

Key start switch and emergency stop switch mounted on control console.

## HYDRAULIC SYSTEM

150 gallon (568 L) hydraulic oil reservoir with return line filters and 100 mesh suction screen.

Pump: Variable displacement piston pump producing 119 GPM (450 LPM).

Heavy wall tubing and multi-wire braided hose throughout system.

Main system operating pressure 3600 PSI (248 BAR).

Accumulator for main boom cushioning.

11 port rotary manifold for continuous rotation..

Quick disconnect diagnostic ports.

## SWING SYSTEM

Continuous rotation on 54" (1372 mm) internal tooth turntable bearing.

Swing speed 7.5 RPM - Power transmitted through dual motors and planetary gearboxes.

3600 PSI (248 BAR) operating pressure.

Swing torque: 55,000 ft. lbs. (74,570 Nm) (100% theoretical)

## MISCELLANEOUS

Weight with standard equipment and oil: 21,500 lbs. (9,752 kg) (not including attachment).

Equipment greased and hydraulic tank filled.

## OPTIONS/ACCESSORIES

32' (9.75 m) live heel boom.

36' (10.97 m) knuckle boom.

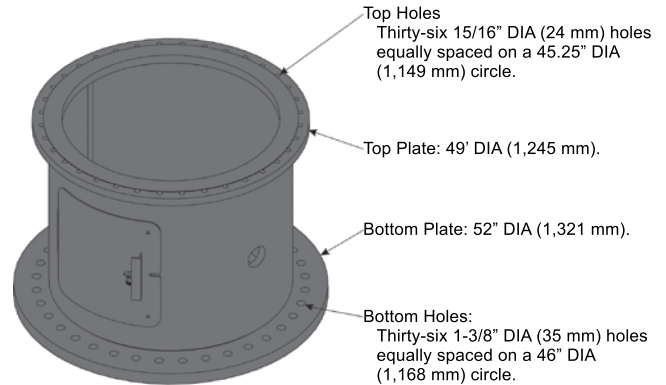
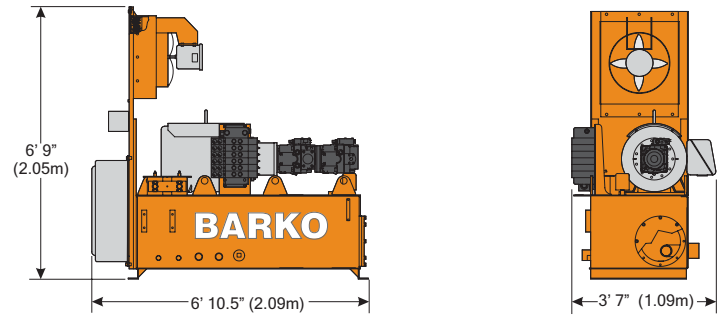
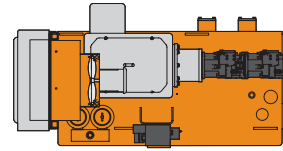
36' (10.97 m) live heel boom.

Detachable heel bar.

12 volt DC boom lights.

Hydraulic reservoir heater: 3 kw.

575 Volt electrical system.



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