

595ML Magnum Articulated Carrier

KNUCKLEBOOM LOADERS > SELF-PROPELLED

FORESTRY



Introducing the Barko 595ML Magnum Articulated Carrier

Dependable. Exceptional. BEAUTIFUL. That's what customers say about the Barko 595ML Magnum Articulated Carrier. It's our largest and most powerful knuckleboom loader (material handler) mounted to our articulated carrier and it provides the best fuel efficiency, increased work productivity, and the lowest total cost of operation than any other product in its' class.

It is BEAUTIFUL, but don't let that fool you. The power and swing torque of the 595ML Magnum Articulated Carrier makes it a BEAST capable of delivering up to 25% more loads every day. Equipped with more standard features than its competitors, the 595ML Magnum Loader lasts longer, performs harder, and delivers the results you expect, all while using less fuel and providing more comfort. There's nothing better than a Barko – Guaranteed!



“Our Barko loaders only use 3 to 3.5 gallons of fuel an hour.”

Darren and Carl Harrison (Kevin Harrison not shown)
Harrison Logging Inc.
Grenada, MS



BARKO HYDRAULICS, LLC

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WWW.BARKO.COM

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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)	17,950 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

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

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

BOOM REACH

Based on 42" (1,067 mm) high truck frame.

	32' 0"	(9.75 m)
Horizontal	32' 0"	(9.75 m)
Vertical	38' 4"	(11.68 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

Cummins QSB 6.7 L diesel, Tier 3 173 hp (129 kw) @ 2200 rpm.

John Deere 6068 H diesel, Tier 3 173 hp (129 kw) @ 2200 rpm

Fuel Reservoir: 120 gallon (454 L).

HYDRAULIC SYSTEM

120 gallon (454 L) hydraulic oil reservoir with return line filter, shut off valve on pump suction line.

Pumps: 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).

Quick disconnect diagnostic ports.

SWING SYSTEM

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

Swing speed: 9 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).

Tailswing: 8' 5-1/2" (2.57 m) without counterweight
8' 6-1/2" (2.60 m) with counterweight.

OPERATOR'S CAB

F.O.P.S. certified.

38-1/2" x 55" (978 mm x 1397 mm) forward sloping pressurized cab with sound suppression insulation.

Roof window, sliding side windows with tinted glass on all windows.

Pantograph windshield wipers, washer, and dome light.

Adjustable suspension style seat with arm rests. Dual joystick controls.

Dash console with cab accessory switches and start/stop controls all located for easy access.

Warning lights & monitor system.

Digital Display: water temperature, voltage, engine oil pressure, fuel, hour meter and engine RPM.

AM/FM radio, CD player, CB radio.

Swing control operated by foot pedal.

Swing out door and front cab guard.

(6) 12 volt DC halogen cab lights.

Climate controlled heating and air conditioning.

Central turntable greasing system.

STABILIZERS/SUBFRAME/PADS

Center Mount

Unitized subframe and stabilizer assembly.

2 sets of 16' 4" (4.98 m) fold-a-way stabilizers with 7" x 22" (178 mm x 559 mm) cylinders with 4" (102 mm) rods and dual load locks.

ART CAR LOWER

Hydrostatic drive

Oscillating non-powered front axle rated for 23,000 lbs. (10,433 kg)

Truck style tandem rear axles rated for 50,000 lbs. (22,680 kg)

Orbitol steering with 3-1/2" x 12" (89 mm x 305 mm) cylinders

Hydraulic rear wheel brakes

Low Speed: 3 MPH (4.8 km/h)

High Speed 6 MPH (9.6 km/h)

Drawbar pull: 10,000 lbs (45,371 N)

Wheelbase: 13' 11" (4.24 m)

Rear tires: (8) 10:00 x 20 - 12 Ply (ReCaps)

Front tires: (2) 15 x 22.5 16 ply

Spring applied hydraulic released parking brakes

Articulating nose cavity serves as a fillable counterweight box

MISCELLANEOUS

Weight with standard equipment: 52,000 lbs. (23,608 kg) not including attachment.

Equipment greased and hydraulic tank filled.

Removable panel for serviceability.

3,000 lbs. (1361kg) Cast Steel Counterweight & oil.

OPTIONS/ACCESSORIES

32' Straight Boom

32' Live Heel Boom

36' Straight Boom

36' Live Heel Boom

40' Straight Boom

36' Coil Handler Boom

Boom Lights

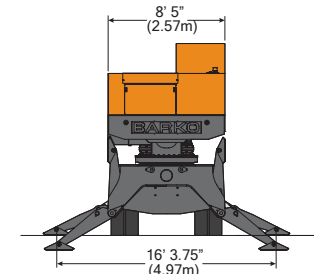
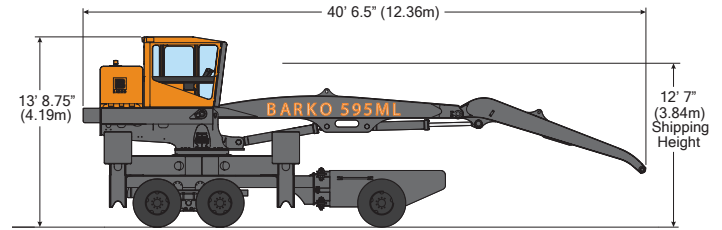
7000 lb. (3175 kg) Cast steel counter weight.

9975 lb. (4524 kg) Cast steel counter weight.

Standard detachable heel bar

Offset detachable heel bar

See complete listing of options on our website.



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