



» 495ML MAGNUM+ TRAILER/TRUCK MOUNT & CRAWLER

SPECIFICATIONS



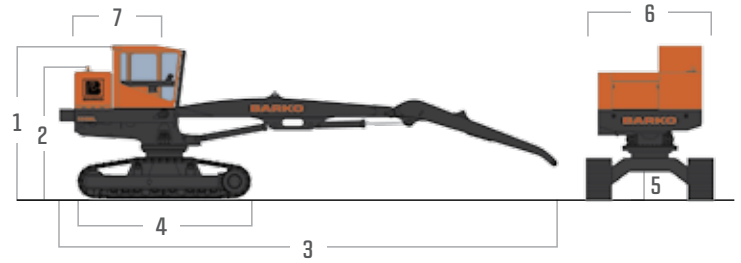
The Barko® 495ML knuckleboom loader delivers all the performance you expect on the job, while using less fuel and providing more comfort. Equipped with new Magnum+™ controls, the 495ML offers an incredibly low total cost of operation. Providing more productivity thanks to exceptional power and swing torque, the 495ML is durably built to perform harder and last longer.

SPECIFICATIONS



495ML MAGNUM+ TRAILER/TRUCK MOUNT

DIMENSIONS		
1	Overall Height	12' 1" (368 cm)
2	Shipping Height	8' 11" (270 cm)
3	Overall Length	40' 7" (1,237 cm) - with boom extended
4	Ground Clearance	24.25" (62 cm)
5	Shipping Width	8' 5" (257 cm)
6	Stabilizer Width	15' 9" (480 cm)
7	Truck Height	39" (99 cm)
8	Tail Swing	8' 5.5" (257 cm) without counterweight, 8' 6.5" (260 cm) with optional counterweight
	Standard Weight	29,700 lbs (13,472 kg) without attachment



495ML MAGNUM+ CRAWLER

DIMENSIONS		
1	Overall Height	12' 11" (392 cm)
2	Shipping Height	11' 11" (363 cm)
3	Overall Length	41' 1" (1,252 cm) - with boom extended
4	Track Length	14' 4" (436 cm)
5	Ground Clearance	31" (79 cm)
6	Overall Width	11' 11" (363 cm)
7	Tail Swing	8' 5.5" (257 cm) without counterweight, 8' 6.5" (260 cm) with optional counterweight
	Standard Weight	48,000 lbs (21,773 kg) without attachment

HEAVY-DUTY CRAWLER

Maximum Speed	2.5 mph (4.02 km/h) high, 1.1 mph (1.77 km/h) low
Track	Barko heavy-duty D-6 carbody, sealed track, lifetime lubricated rollers & idlers, hydraulic track adjusters, 28" (710 mm) triple grouser pads with 22 mm track bolts
Drive Motors	(2) variable displacement piston motors
Brakes	Automatic multiple disc type, spring applied hydraulic release, on each track
Gradeability	66%
Tractive Effort	52,300 lbf (232.6 kN)
Ground Pressure	5.1 psi (0.35 bar) with 900 mm shoes

PERFORMANCE (TRAILER/TRUCK MOUNT & CRAWLER)

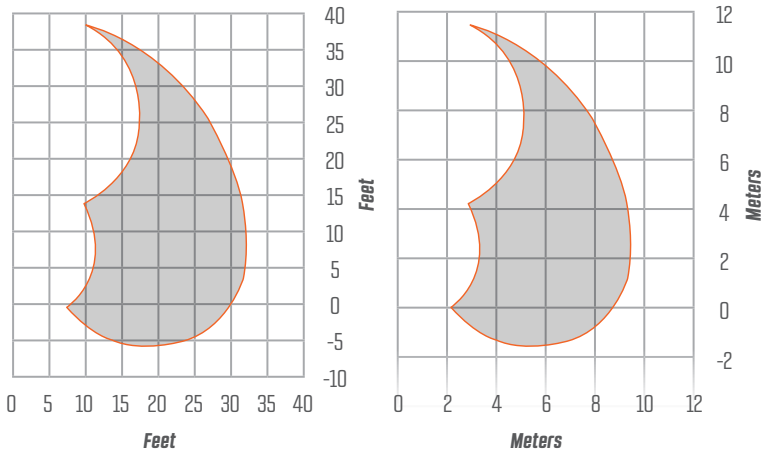
ENGINE	
Model	173 HP (129 kW) Cummins® QSBB.7 Tier III
Fuel Tank	120 gal. (454 L)
HYDRAULIC SYSTEM	
Hydraulic Tank	120 gal. (454 L) with return line filter, shut-off valve on pump suction line
Pump	88 gpm (333 LPM), variable displacement piston
Operating Pressure	3,600 psi (248 bar) main system
Features	Heavy-wall tubing and multi-wire braided hose; quick disconnect diagnostic ports

BOOM	
Structure	All-welded construction with fabricated box type design; aluminum bronze bushings with grease grooves at boom pivot points
Horizontal Reach	32' (975 cm)
Vertical Reach	Mount - 38' 4" (1,168 cm) with 42" (107 cm) high truck frame Crawler - 37' 10" (1,153 cm) with 48" (122 cm) high carrier undercarriage
Cylinders	Features
	Main Boom
	Stick Boom

Hydraulic cylinders with wear rings on pistons and bolt-on glands; heavy-duty steel tubing; induction hardened rods with heavy chrome plating; spherical bearings at all pivots
6" x 51" (152 x 1,295 mm) with 3.5" (89 mm) rod
6" x 35" (152 x 889 mm) with 3.5" (89 mm) rod

BOOM SWEEP

495ML WITH 32' BOOM



MAXIMUM LIFT CAPACITY	
32' (9.75 m) straight boom, less attachment.	
Radius	Lift
12' (3.65 m)	27,720 lbs (12,574 kg)
15' (4.57 m)	21,960 lbs (9,961 kg)
20' (6.1 m)	16,350 lbs (7,416 kg)
25' (7.62 m)	12,990 lbs (5,892 kg)
30' (9.14 m)	9,280 lbs (4,209 kg)
32' (9.75 m)	5,590 lbs (2,535 kg)

SWING SYSTEM	
Rotation/Swing Speed	Continuous on 46" (1,168 mm) internal tooth turntable bearing; 9 RPM, power transmitted through dual motors and planetary gearboxes
Swing Torque	44,000 ft-lbf (59,656 Nm); 100% theoretical

FEATURES & OPTIONS

MAGNUM+ CONTROLS - UPGRADES FROM PREVIOUS MAGNUM SYSTEM	
<ul style="list-style-type: none"> Auto idle Larger oil cooler Auxiliary oil cooler mounted under cab Larger cooler ports on return manifold to reduce back pressure New engine base plate to improve airflow Robust style 10 port collector Manual AC system AC condenser moved to swing out door for easier radiator cleaning Improved fuel line routing Robust load locks added to stabilizer cylinders 	<ul style="list-style-type: none"> Remote grease lines added to butt end of stabilizer cylinders Main and knuckle pin designed for easier service New aluminum bronze bushings on boom Energy recovery spools installed on boom sections New ladder grab handles to improve machine access Sealed cab floor with grommets for pilot lines
CONTROL OPTIONS - TRAILER/TRUCK MOUNT	
Magnum+ Barko's proprietary hydraulic pilot-operated controls with fast functional speeds and excellent fuel economy	Epic - Electronic upgrade to Magnum+ controls with increased fuel economy, additional operator modes, and performance enhancements
OPERATOR CAB	
38.5" x 55" (978 x 1,397 mm) forward sloping pressurized cab with sound suppression insulation Heating & air conditioning AM/FM radio, CD player, CB radio Digital display: water temperature, voltage, engine oil pressure, fuel, hour meter, engine RPM Tinted windows: roof, sliding side Pantograph windshield wipers, washer, dome light	Adjustable suspension seat with armrests Dual joystick controls Dash console with easy access start/stop controls and accessory switches Warning lights & monitor system Swing control operated by foot pedal Swing-out door & front cab guard (6) 12-volt DC halogen cab lights
STABILIZERS/SUBFRAME/PADS - TRAILER/TRUCK MOUNT	
Center mount, unitized subframe and stabilizer assembly, plated pins	2 sets of 14' 9" (449 cm) foldaway stabilizers with 6" x 22" (152 x 559 mm) cylinders incl. 3.5" (89 mm) rods & built-in dual load locks, steel pistons & glands with wear rings
MISCELLANEOUS	
3,000 lbs (1,361 kg) cast steel counterweight & oil Equipment greased, hydraulic tank filled	Removable service panels Central turntable greasing system
OPTIONS & ACCESSORIES	
Mount - Carrier de-limber package Park brake kit (carrier) Self-propelled carrier Tandem pumps 12-volt hydraulic transfer pump Swing brake Engine block heater Thermal bypass kit Crawler - 810 mm triple grouser pads 900 mm triple grouser pads 7,000 lbs (3,175 kg) cast steel counterweight Guarding package	All Models - 32' (975 cm) straight or live heel boom Boom lights Detachable heel bar (standard or offset) Log & pulp grapples Grapple saw Bar slasher/de-limber package Circle saw package Auxiliary hydraulic oil cooler 23" or 42" hydraulic tilt cab riser 42" fixed cab riser Servo controlled hand swing *See complete listing of options at www.barko.com .

* Specifications are subject to change.



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WARRANTY

	<i>1 Year</i>	Full machine
	<i>2 Years</i>	Powertrain and major hydraulic components
	<i>3 Years</i>	Machine structure