



» 595ML MAGNUM+ TRAILER/TRUCK MOUNT & CRAWLER SPECIFICATIONS



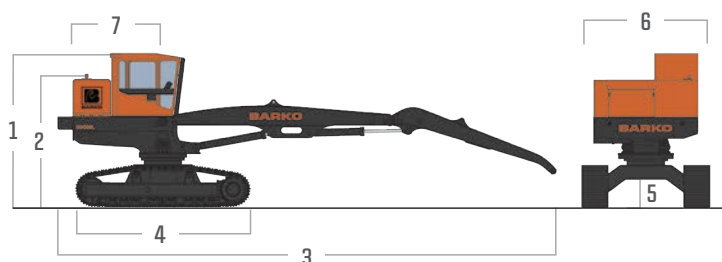
The 595ML is the largest and most powerful Barko® Knuckleboom Loader, providing increased work productivity, superior fuel efficiency and a very low total cost of operation. Exceptional power and swing torque help the 595ML work harder to deliver more loads, while the new Magnum+™ control system enhances operating efficiency and serviceability.

SPECIFICATIONS



595ML MAGNUM+ TRAILER/TRUCK MOUNT

DIMENSIONS		
1	Overall Height	12' 5" (378 cm)
2	Shipping Height	8' 11" (271 cm)
3	Overall Length	40' 7" (1,236 cm) with boom extended
4	Ground Clearance	28" (71 cm)
5	Shipping Width	8' 5" (257 cm)
6	Stabilizer Width	16' 5" (501 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
	Total Operating Weight	31,500 lbs (14,288 kg) without attachment



595ML MAGNUM+ CRAWLER

DIMENSIONS		
1	Overall Height	13' (395 cm)
2	Shipping Height	12' (366 cm)
3	Overall Length	41' 1" (1,252 cm) - with boom extended
4	Track Length	16' 5" (501 cm)
5	Ground Clearance	2' 7" (80 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
	Total Operating Weight	62,000 lbs (28,123 kg) without attachment
HEAVY-DUTY CRAWLER		
Maximum Speed	2.3 mph (3.7 km/h) high, 1.3 mph (2.1 km/h) low	
Track	Barko heavy-duty D-7 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	63,000 lbf (280.2 kN)	
Ground Pressure	5.3 psi (0.36 bar) with 900 mm shoes	

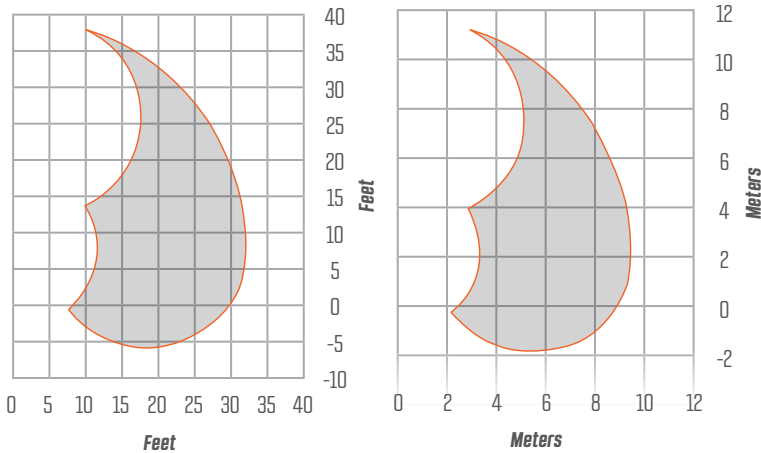
PERFORMANCE (TRAILER/TRUCK MOUNT & CRAWLER)

ENGINE	
Model/Power	173 HP (129 kW) Cummins® QSB6.7 Tier III
Fuel Tank	120 gal. (454 L)
HYDRAULICS	
Tank	120 gal. (454 L) with return line filter, shut-off valve on pump suction line
Pump	119 GPM (450 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 - 40' 6" (1,246 cm) with 48" (122 cm) high carrier undercarriage
Cylinders	Features	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
	Main Boom	7" x 51" (178 x 1,295 mm) with 4" (102 mm) rod
	Stick Boom	7" x 35" (178 x 889 mm) with 4" (102 mm) rod

BOOM SWEEP

595ML WITH 32' BOOM



MAXIMUM LIFT CAPACITY

32' (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' (6.1 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)

SWING SYSTEM

Rotation/Swing Speed

Continuous on 54" (1372 mm) internal tooth turntable bearing; 9 RPM, power transmitted through dual motors and planetary gearboxes

Swing Torque

55,000 ft-lbf (74,570 Nm); 100% theoretical

FEATURES & OPTIONS

MAGNUM+ CONTROLS - UPGRADES FROM PREVIOUS MAGNUM SYSTEM

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	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
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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
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OPERATOR CAB

38.5" x 55" (978 x 1397 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
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STABILIZERS/SUBFRAME/PADS - TRAILER/TRUCK MOUNT

Center mount, unitized subframe and stabilizer assembly, plated pins	2 sets of 16' 4" (498 cm) foldaway stabilizers with 7" x 22" (178 x 559 mm) cylinders incl. 4" (102 mm) rods & built-in dual load locks
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STANDARD FEATURES

Mount - 3,000 lbs (1,361 kg) cast steel counterweight & oil Crawler - 7,000 lbs (3,175 kg) cast steel counterweight & oil	All Models - Equipment greased, hydraulic tank filled Removable service panels Central turntable greasing system
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OPTIONS & ACCESSORIES

Mount - 7,000 lbs (3,175 kg) cast steel counterweight Carrier de-limber package Park brake kit (carrier) Self-propelled carrier 23" or 42" hydraulic tilt cab riser 42" fixed cab riser 12-volt hydraulic transfer pump Swing brake Engine block heater Crawler - Guarding package 810 mm triple grouser pads 900 mm triple grouser pads Thermal bypass kit	All Models - 32' (975 cm) straight or live heel boom 36' (1097 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 *See complete listing of options at www.barko.com .
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* Specifications are subject to change.



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