



» 295ML MAGNUM+ TRAILER/TRUCK MOUNT SPECIFICATIONS



The Barko® 295ML loader features the new Magnum+™ control system for enhanced serviceability and operating efficiency, contributing to an extremely low total cost of operation. Exceptional power and swing torque allow the 295ML to deliver more loads every day. Lasting longer and performing harder, the 295ML produces the results you expect while optimizing fuel efficiency.

SPECIFICATIONS



295ML MAGNUM+ TRAILER/TRUCK MOUNT

DIMENSIONS

1	Overall Height	12' (366 cm)
2	Shipping Height	8' 11" (270 cm)
3	Overall Length	38' 4" (1,168 cm) - with boom extended
4	Ground Clearance	23.5" (60 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	23,000 lbs (10,433 kg) without attachment

PERFORMANCE

ENGINE

Model	173 HP (129 kW) Cummins® QSBE.7 Tier III
Fuel Tank	120 gal. (454 L)

HYDRAULIC SYSTEM

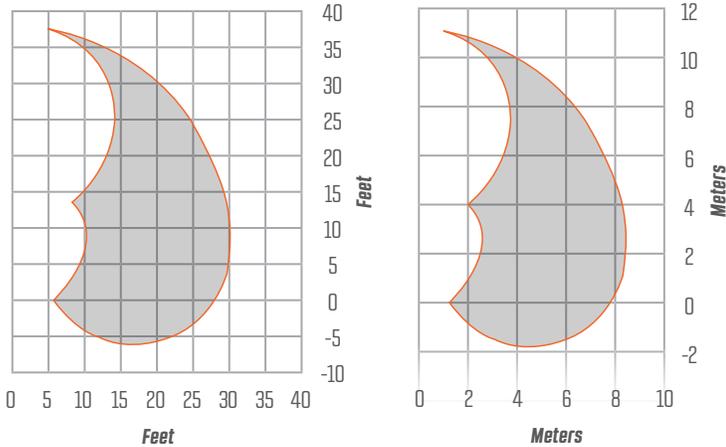
Hydraulic Tank	120 gal. (454 L) with return line filter, shut-off valve on pump suction line
Pump	88 gpm (333 LPM), variable displacement piston
Operating Pressure	3,000 psi (206 bar) main system
Features	Heavy-wall tubing and multi-wire braided hose; quick disconnect diagnostic ports

BOOM

Structure	All-welded construction with fabricated box type design; aluminum bronze bushings with grease grooves at boom pivot points	
Horizontal Reach	30' (914 cm)	
Vertical Reach	37' 6" (1,143 cm) with 42" (107 cm) high truck frame	
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	6" x 51" (152 x 1295 mm) with 3.5" (89 mm) rod
	Stick Boom	6" x 35" (152 x 889 mm) with 3.5" (89 mm) rod

BOOM SWEEP

295ML WITH 30' BOOM



MAXIMUM LIFT CAPACITY

30' (9.14 m) straight boom, less attachment.

Radius	Lift
10' (3.05 m)	19,960 lbs (9,054 kg)
15' (4.57 m)	17,390 lbs (7,888 kg)
20' (6.1 m)	12,920 lbs (5,860 kg)
25' (7.62 m)	10,240 lbs (4,644 kg)
30' (9.14 m)	5,420 lbs (2,458 kg)

SWING SYSTEM

Rotation/Swing Speed

Continuous on 39" (991 mm) internal tooth turntable bearing; 8 RPM, power transmitted through dual motors and planetary gearboxes

Swing Torque

30,000 ft-lbf (40,674 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

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

Center mount, unitized subframe and stabilizer assembly, plated pins

2 sets of 14' 6" (442 cm) foldaway stabilizers with 6" x 17" (152 x 432 mm) cylinders incl. 3" (76 mm) rods & built-in dual load locks, steel pistons & glands with wear rings

MISCELLANEOUS

1,300 lbs (589 kg) cast steel counterweight & oil
Equipment greased, hydraulic tank filled

Removable service panels
Central turntable greasing system

OPTIONS & ACCESSORIES

Carrier package
Auxiliary hydraulic oil cooler
Park brake kit (carrier)
Self-propelled carrier
23" or 42" hydraulic tilt cab riser
42" fixed cab riser
12-volt hydraulic transfer pump
Engine block heater
Thermal bypass kit
Tank heater
Automatic grease system

15 kW magnet generator package
30' (914 cm) straight or live heel boom
Boom lights
Detachable heel bar (standard or offset)
Log & pulp grapples
Grapple saw
Bar saw package
Servo controlled hand swing

*See complete listing of options at www.barko.com.

* Specifications are subject to change.



BARKO HYDRAULICS, LLC

One Banks Ave.
Superior, WI 54880

P: 715.395.6700
info@barko.com | www.barko.com



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

WARRANTY