

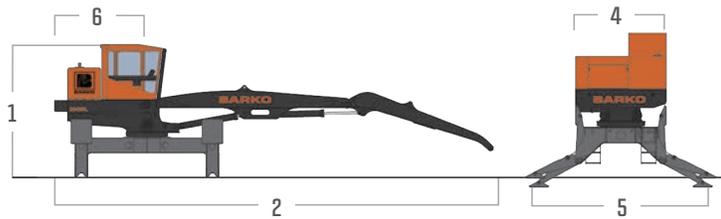


# » 295ML MAGNUM+ TRAILER/TRUCK MOUNT SPECIFICATIONS



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	<b>Overall Height</b>	12' (366 cm)
2	<b>Overall Length</b>	38' 4" (1,168 cm) with boom extended
4	<b>Shipping Width</b>	8' 5" (257 cm)
5	<b>Stabilizer Width</b>	15' 9" (480 cm)
6	<b>Tail Swing</b>	8' 5.5" (257 cm) without counterweight, 8' 6.5" (260 cm) with optional counterweight
	<b>Total Operating Weight</b>	23,000 lbs (10,433 kg) without attachment

## PERFORMANCE

### ENGINE

<b>Model/Power</b>	173 HP (129 kW) Cummins® QS86.7 Tier III
<b>Fuel Tank</b>	120 gal. (454 L)

### HYDRAULICS

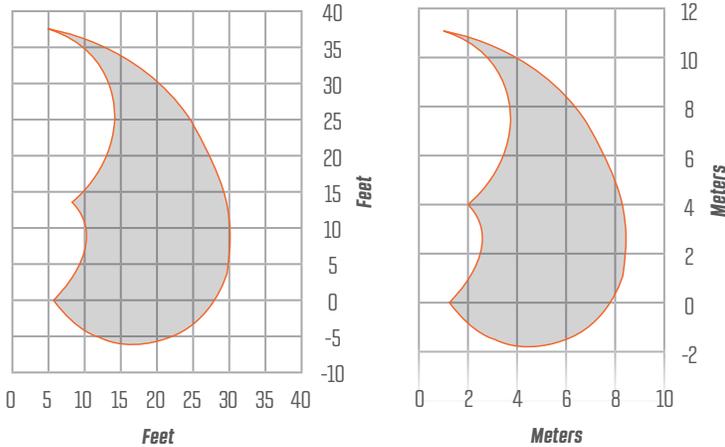
<b>Tank</b>	120 gal. (454 L) with return line filter, shut-off valve on pump suction line
<b>Pump</b>	88 GPM (333 LPM), variable displacement piston
<b>Operating Pressure</b>	3,000 psi (206 bar) main system
<b>Features</b>	Heavy-wall tubing and multi-wire braided hose; quick disconnect diagnostic ports

### BOOM

<b>Structure</b>	All-welded construction with fabricated box type design; aluminum bronze bushings with grease grooves at boom pivot points	
<b>Horizontal Reach</b>	30' (914 cm)	
<b>Vertical Reach</b>	37' 6" (1,143 cm) with 42" (107 cm) high truck frame	
<b>Cylinders</b>	<b>Features</b>	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
	<b>Main Boom</b>	6" x 51" (152 x 1,295 mm) with 3.5" (89 mm) rod
	<b>Stick Boom</b>	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

### STANDARD FEATURES

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](http://www.barko.com).

\* Specifications are subject to change.



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