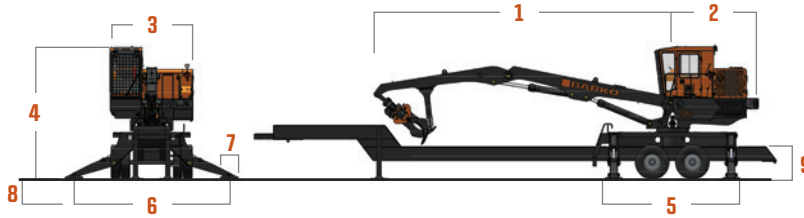


295B TRAILER/TRUCK MOUNT LOADER

The BARKO® 295B Knuckleboom Loader offers enhanced serviceability and operating efficiency, contributing to an extremely low total cost of operation. Exceptional power and swing torque allow the 295B to deliver more loads every day. Lasting longer and performing harder, the 295B produces the results you expect while optimizing fuel efficiency.

EST.  1963

KING OF THE FOREST

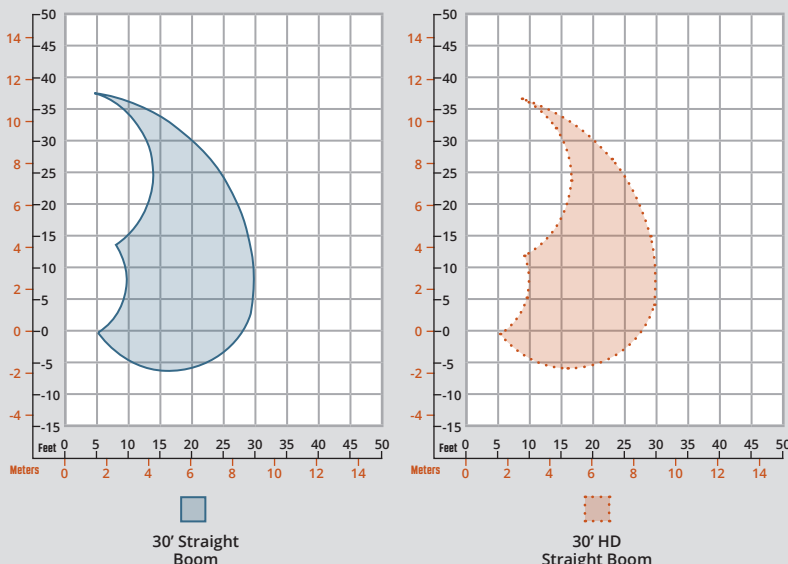


SPECIFICATIONS

DIMENSIONS

		30' (9.14 m) straight boom	30' (9.14 m) HD straight boom
1	Maximum Reach		
2	Tail Swing Radius	8' 9" (2.67 m) with standard counterweight 8'10" (2.69 m) with optional counterweight	
3	Transport Width	8' 6" (2.59 m)	
4	Transport Height	13' 6" (4.11 m) (mounted on 40" high frame)	
4	Transport Height (Cab Tilted)	13' 4" (4.06 m) (mounted on 40" high frame)	
5	Stabilizer Length	13' 9" (4.19 m)	
6	Stabilizer Width (Ground Level)	15' 9" (4.80 m)	
7	Stabilizer Pad Size	21.5" x 18.1" (55 cm x 46 cm)	
8	Stabilizer Ground Penetration	9" (23 cm)	
9	Trailer Frame Height	40" (101 cm)	
Max Trailer Frame Width		35" (89 cm)	
Max Trailer Frame Beam Height		16" (41 cm)	
Counterweight		Standard: 1300 lb (590 kg) Optional: 3000 lb (1361 kg)	
Weight with Standard Counterweight (less attachment and options)		25,700 lbs (11,657 kg) straight boom	25,900 lbs (11,748 kg) HD straight boom

BOOM SWEEP



POWER UNIT

Engine		Cummins QSB6.7 6-cylinder US EPA Tier 4 Final (EU Stage IV)
Rated HP		173 hp (129 kW) at 2200 rpm
Peak HP		183 hp (136 kW) at 2000 rpm
Peak Torque		620 ft-lb (841 N-m) at 1500 rpm
Cooling Package	Cooling	Side-by-side charge air cooler, radiator, oil cooler, swing-out AC condenser
	Fan	Engine driven, fixed-pitch
Air Cleaner		2-Stage
Fuel Filtration		Primary and secondary with water separator
Fuel Capacity		120 gal (454 L)
DEF Capacity		10 gal (37.8 L)
Throttle		Electronic; economy mode, auto-idle

HYDRAULIC SYSTEM

Main Pump	(1) Axial piston, load sensing
Reservoir	56 gal (212 L)
Filtration	(1) In-tank main return, (1) spin-on drain
Fill Pump	Hand operated pump with included hose (electric version optional)
Control Valve	Sectional; pilot or electrically operated load sensing
Collector	4-Port rotary manifold (6-port with Circle Slasher package)
Cylinder, Main Boom	standard boom: (1) 6.0" (15.2 cm) bore x 3.5" (8.9 cm) rod HD boom: (1) 6.5" (16.5 cm) bore x 3.5" (8.9 cm) rod
Cylinder, Stick Boom	(1) 6.0" (15.2 cm) bore x 3.5" (8.9 cm) rod
Cylinder, Stabilizer	(4) 6.0" (15.2 cm) bore x 3.0" (7.6 cm) rod

BOOM MAX REACH

Lift Capacity 10' (3.05 m) Above Ground Per SAE J2417 (87% of hydraulic capacity)

Straight Boom	30' (9.14 m)	14,745 lbs (6,688 kg) at 15' (4.57 m) 9,275 lbs (4,207 kg) at 25' (7.62 m) 5,104 lbs (2,315 kg) at full reach
	30' (9.14 m)	14,274 lbs (6,475 kg) at 15' (4.57 m) 9,545 lbs (4,330 kg) at 25' (7.62 m) 4,525 lbs (2,053 kg) at full reach

SWING SYSTEM

Rotation	9 rpm, continuous, 30,000 ft-lb (40,675 N-m) (100% Theoretical)
Swing Bearing	39" (99 cm) outer diameter, internal gear with centralized greasing
Swing Drive	(2) Single stage planetary gearbox with orbital motor
Brake	Hydrostatic dynamic braking, 40,000 ft-lbf (54,233 N-m) torque

ELECTRICAL

Battery	(1) 12VDC, 1425 CCA (at 0 deg F)
Alternator	130 A
System Voltage	12 VDC
Lighting	LED (2 stick boom, 6 cab)

BARKO INSIGHT

Features

- Maintenance interval reminders
- Monitor: fluid levels, temperatures, engine speed, productivity and fuel consumption
- Automatic alerts
- GPS tracking
- 24/7 monitoring
- Included 10-year subscription

OPERATOR'S STATION

Cab

- Guarded forward-sloping windshield with pantograph wiper and canvas transport cover
- Tinted sliding side and fixed skylight windows
- High capacity HVAC system with (4) downward-facing roof duct outlets above operator; (8) adjustable air outlets
- Color touch screen display to monitor engine, hydraulic and electrical systems
- Side console with key switch, emergency stop, 8-button keypad and HVAC controls
- User-programmable joystick button layout
- LED dome light
- Dual cup holders
- (1) 12VDC Power point and (2) USB Ports
- Heavy duty cell phone holder
- Stereo with AM/FM/CD, Bluetooth and XM Satellite radio
- CB Radio with retractable microphone holder

Seat

- Heated and vented seat with knee action suspension
- Air Ride suspension optional

OPERATOR CONTROLS

Boom	Dual joystick, pilot with adjustable main boom control damping
Stabilizers	Electric switch
Swing	Single foot bar, pilot (joystick swing optional)
Other controls	Programmable joystick button and/or touch-screen control

AUXILIARY EQUIPMENT

Ground Equipment (2 Options)

- Bar slasher saw hydraulic package
- 65 GPM (246 LPM) @ 2800 PSI (193 Bar)

OR

- Circle slasher saw hydraulic package (add-on hydraulic butt-board slide auxiliary function optional)
- Dedicated saw pump, adjustable up to 53 GPM (200 LPM) at 4000 PSI (275 Bar)

ATTACHMENT

Specs

- (2) Hydraulic circuits to end of boom
- Grapple open/close (55 GPM (208 LPM) at 2800 PSI (193 Bar))
- Grapple rotate left/right (14.5 GPM (55 LPM) at 2500 PSI (172 Bar))

Recommended

- Barko Strong Arm 50-Series 4250

Optional

- Grapple saw ready - control valve and boom plumbing (55 GPM (208 LPM) at 3000 PSI (207 Bar))

OPTIONS

Operator Cab

- Air Ride seat suspension
- Rear cab window
- Roll-out skylight sun shade
- 23" (58 cm) or 42" (107 cm) tilting riser
- 23" (58 cm), 36" (91 cm) or 48" (122 cm) fixed riser

Boom

- Single or double vee heel bar; offset version available
- Adjustable stick boom control damping

Cold-weather aids

- 120VAC engine block heater
- 120VAC hydraulic heater
- Diesel-fired engine/hydraulic pre-heater
- Hydraulic cooler thermal bypass

Greasing

- Centralized grease points
- Automatic greasing system

Electrical

- Auxiliary electrical circuit switched from touch screen



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* Specifications are subject to change.