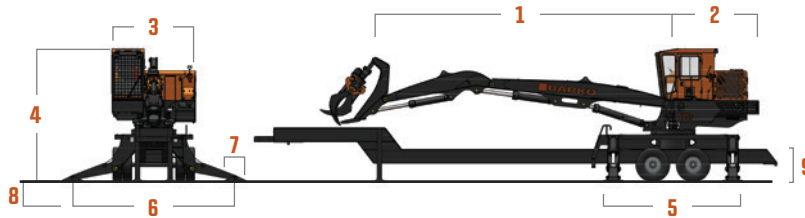


# 595B TRAILER/TRUCK MOUNT LOADER

The 595B 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 595B work harder to deliver more loads, while the control system enhances operating efficiency and serviceability.

EST.  1963

KING OF THE FOREST

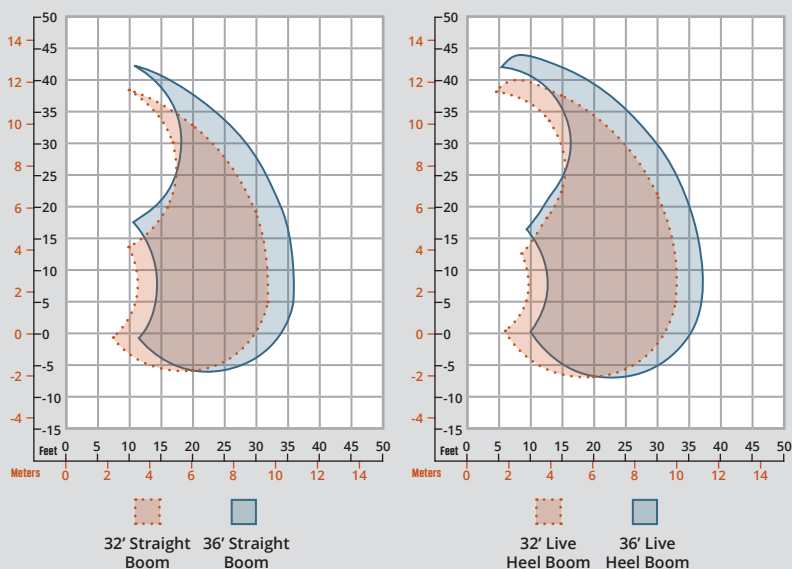


## SPECIFICATIONS

### DIMENSIONS

		32' (9.75 m)	36' (10.97m)	32' (9.75 m)	36' (10.97 m)
1	Maximum Reach	straight boom	straight boom	live heel boom	live heel boom
2	Tail Swing Radius	8'10" (2.9 m) with standard counterweight 9' 3" (2.8 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	14' 1" (4.29 m)			
6	Stabilizer Width (Ground Level)	18' 6" (5.64 m)			
7	Stabilizer Pad Size	23.6" x 21.2" (50 cm x 54 cm)			
8	Stabilizer Ground Penetration	13" (33 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: 3000 lb (1361 kg) Optional: 7000 lb (3175 kg)			
Weight with Standard Counterweight (less attachment and options)		33,000 lbs (14969 kg)	34,200 lbs (15513 kg)	34,500 lbs (15649 kg)	35,700 lbs (16194 kg)

### 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
Swing Pump	(1) Axial piston, variable displacement hydrostatic (With Delimber and Bar Slasher hydraulic package only)
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	(1) 7.0" (17.8 cm) bore x 4.0" (10.2 cm) rod
Cylinder, Stick Boom	(1) 7.0" (17.8 cm) bore x 4.0" (10.2 cm) rod
Cylinder, Stabilizer	(4) 7.0" (17.8 cm) bore x 4.0" (10.2 cm) rod

### BOOM MAX REACH

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

Straight Boom	32' (9.75 m) (standard)	26,319 lbs (11938 kg) at 15' (4.57 m) 15,872 lbs (7199 kg) at 25' (7.62 m) 8,962 lbs (4065 kg) at full reach
	36' (10.97 m) (optional)	25,922 lbs (11758 kg) at 15' (4.57 m) 15,188 lbs (6889 kg) at 25' (7.62 m) 6,955 lbs (6955 kg) at full reach
Live Heel Boom	32' (9.75 m) (optional)	22,763 lbs (10325 kg) at 15' (4.57 m) 15,140 lbs (6867 kg) at 25' (7.62 m) 6,878 lbs (3119 kg) at full reach
	36' (10.97 m) (optional)	24,776 lbs (11238 kg) at 15' (4.57 m) 14,393 lbs (6528 kg) at 25' (7.62 m) 5,815 lbs (2637 kg) at full reach

## SWING SYSTEM

Rotation	9 rpm, continuous hydrostatic, 55,000 ft-lb (74,570 N-m) (100% Theoretical)
Swing Bearing	54" (137 cm) outer diameter, internal gear with centralized greasing
Swing Drive	(2) Two stage planetary gearbox with piston motor
Brake	Hydrostatic dynamic braking, 73,000 ft-lbf (98,975 N-m) torque

## ELECTRICAL

Battery	(1) 12V, 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) 12V 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)

- Delimber and Bar Slasher Saw hydraulic package
- 65 GPM (246 LPM) at 2800 PSI (193 Bar)

### OR

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

### Stabilizer

- Trailer hydraulic landing gear control valve (optional with Delimber and Bar Slasher hydraulic package)

## 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 5250

### Optional

- Grapple saw ready - control valve and boom plumbing (55 GPM (208 LPM) at 3600 PSI (248 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

- 120V engine block heater
- 120V 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.