



» 595 STATIONARY MOUNTS SPECIFICATIONS



The 595 Stationary Electric Knuckleboom Loaders are among the most powerful and efficient in the BARKO® product line. The 595-SE offers a comfortable operator cab, the 595-SE-ERS features an electric remote station, and the 595-SER-ERS utilizes a remote power unit. Each model is equipped to deliver more loads every day.

SPECIFICATIONS



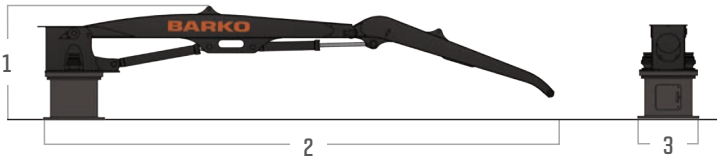
595-SE

DIMENSIONS	
1	Overall Height : 11' 4" (345 cm)
2	Tail Swing : 8' 6" (259 cm) without counterweight, 8' 7" (262 cm) with optional 3,000 lb counterweight
3	Overall Length : 40' 7" (1,237 cm) with 32' boom extended
4	Overall Width : 8' 5" (257 cm)
Total Operating Weight : 29,000 lbs (13,154 kg) without attachment or counterweight	



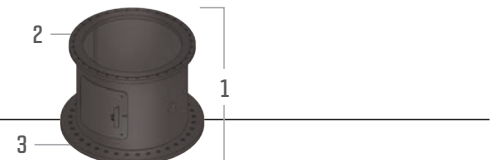
595-SE-ERS

DIMENSIONS	
1	Overall Height : 9' 3" (282 cm)
2	Tail Swing : 8' 6" (259 cm) without counterweight, 8' 7" (262 cm) with optional 3,000 lb counterweight
3	Overall Length : 40' 7" (1,237 cm) with 32' boom extended
4	Overall Width : 8' 5" (257 cm)
Total Operating Weight : 28,000 lbs (12,701 kg) without attachment or counterweight	



595-SER-ERS

DIMENSIONS	
1	Overall Height : 6' 3" (191 cm)
2	Overall Length : 34' 7" (1,054 cm) with 32' boom extended
3	Overall Width : 4' 6" (137 cm)
Total Operating Weight : 21,500 lbs (9,752 kg) without attachment	



PEDESTAL

DIMENSIONS	
1	Height : 33" (838 mm)
2	Top Plate : 49" (1,245 mm) diameter
3	Bottom Plate : 52" (1,321 mm) diameter
Bottom Holes : (36) 1-3/8" (35 mm) diameter holes equally spaced on a 46" (1,168 mm) diameter circle	

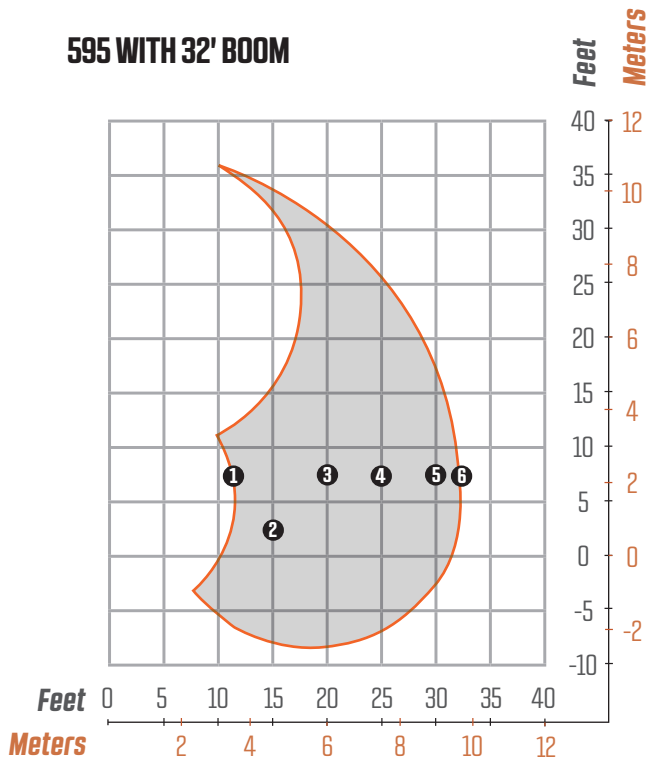
PERFORMANCE (ALL STATIONARY MODELS)

AVAILABLE POWER SOURCES	
Electric Motor	125 HP (93 kW) drip proof encapsulated motor, 3-phase, 460-volt, 60 Hz, operating at 1,800 RPM
Electric Collector	4-pass, 300 amp capacity, located in pedestal base; continuous rotation only
Electrical Package	NEMA 4 enclosure with motor start circuit, 3-phase power monitor and circuit breaker
Start/Stop	Key start switch and emergency stop switch mounted on control console

HYDRAULICS	
Tank	SE/SE ERS - 120 gal. (454 L) with return line filter, shut-off valve on pump suction line SER ERS - 150 gal. (568 L) with return line filter, shut-off valve on pump suction line
Pump	90 GPM (341 LPM) tandem variable displacement load sense piston pumps
Operating Pressure	3,600 psi (248 bar) main system
Features	Heavy-wall tubing and multi-wire braided hose; quick disconnect diagnostic ports; accumulator for main boom cushioning; rotary manifold for continuous rotation

BOOM SWEEP

595 WITH 32' BOOM



MAXIMUM LIFT CAPACITY

32' (9.8 m) straight boom, less attachment.

	Radius	Lift		Radius	Lift
1	12' (3.7 m)	38,820 lbs (17,608 kg)	4	25' (7.6 m)	17,950 lbs (8,142 kg)
2	15' (4.6 m)	30,290 lbs (13,739 kg)	5	30' (9.1 m)	12,810 lbs (5,811 kg)
3	20' (6.1 m)	22,550 lbs (10,229 kg)	6	32' (9.8 m)	7,770 lbs (3,524 kg)

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	37' 7" (1,145 cm) with 33" (84 cm) pedestal
Maximum Lift Capacity	38,820 lbs (17,608 kg)

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

FEATURES & OPTIONS

OPERATOR CAB - SE

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
 Warning lights & monitor system
 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
 Swing control operated by foot pedal
 Swing-out entry door
 Front cab guard
 (2) 12-volt DC halogen cab lights
 (2) 12-volt DC power points

STANDARD FEATURES

SE - Centralized turnable greasing system

SE/SE ERS - Removable service panels

OPTIONS & ACCESSORIES

All Models - 380 or 575-volt electric system
 Automatic grease system
 32' (975 cm) straight or live heel boom
 36' (1,097 cm) straight or live heel boom
 40' (1,219 cm) straight boom
 36' (1,097 cm) coil handler boom
 Boom lights (12V DC)
 Detachable heel bar (standard/offset, single/double vee)
 Log & pulp grapples
 Grapple saw
 Rotation stops (310° maximum)
 Hydraulic reservoir heater (3 kW)

SE - 23", 36" or 48" fixed cab riser
 12-volt hydraulic fill pump
 Servo controlled hand swing
 Electrical collector package with additional circuits
SE/SE ERS - 3,000 lbs (1,361 kg) cast steel counterweight
 Magnet rectifier package (10, 15, and 20 kW)

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

SWING SYSTEM

Rotation/Swing Speed	Continuous on 54" (1,372 mm) internal tooth turntable bearing; 7.5 RPM, power transmitted through dual piston motors and planetary gearboxes
Swing Torque	55,000 ft-lbf (74,570 Nm); 100% theoretical
Braking	Hydrostatic dynamic braking with 73,000 ft-lbf (98,975 Nm) braking swing torque

* Specifications are subject to change.



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

WARRANTY