

595MH

Self-Propelled Carrier with Elevating Cab

KNUCKLEBOOM LOADERS > SELF-PROPELLED

Standard Operating Weight
62,000 lbs.

SCRAP



The Barko 595MH Self-Propelled Carrier

Dependable. Exceptional. AWESOME.

That's what customers say about the Barko 595MH Rugged Self-Propelled Carrier. It's equipped with EPIC, an advanced electronic control system, to make the 595MH POWERFUL. THRIFTY. SMART. It provides the best fuel efficiency, work productivity, and the lowest total cost of operation of any other product in its class. It is BEAUTIFUL, but don't let that fool you. The power and swing torque of the 595MH Rugged Self-Propelled Carrier makes it a BEAST capable of delivering more loads every day. The 595MH Loader performs harder and delivers the results you expect, all while using less fuel and providing more comfort. There's nothing better than a Barko – Guaranteed!

The Barko Advantage

- Best in Class Lift Capacity
- Best in Class Power
- 24-Month Bumper-to-Bumper Warranty
- EPIC Control System
- 24-Hour Parts Shipment Guarantee
- Superior Serviceability
- Made in the U.S.A.



BARKO HYDRAULICS, LLC

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WWW.BARKO.COM

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Self-Propelled Carrier

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MAXIMUM LIFT CAPACITY

40' 0" (12.19 m) straight boom, less attachment.

Front Lift Capacity

Radius	Lift	
10' (3.05 m)	29,280 lbs.	(13,280 kg)
15' (4.57 m)	27,650 lbs.	(12,540 kg)
20' (6.1 m)	20,590 lbs.	(9,340 kg)
25' (7.62 m)	16,330 lbs.	(7,410 kg)
30' (9.14 m)	13,480 lbs.	(6,110 kg)
35' (10.67 m)	10,880 lbs.	(4,940 kg)
40' (12.19 m)	5,390 lbs.	(2,440 kg)

Side Lift Capacity

Radius	Lift	
10' (3.05 m)	29,280 lbs.	(13,280 kg)
15' (4.57 m)	27,650 lbs.	(12,540 kg)
20' (6.1 m)	20,590 lbs.	(9,340 kg)
25' (7.62 m)	16,330 lbs.	(7,410 kg)
30' (9.14 m)	13,480 lbs.	(6,110 kg)
35' (10.67 m)	10,880 lbs.	(4,940 kg)
40' (12.19 m)	5,390 lbs.	(2,440 kg)

Counterweight – 14,000 lbs. (6,350 kg)

BOOM DATA

Boom	40' 0"	(12.19 m)
Main	22' 6"	(6.86 m)
Stick	19' 0"	(5.79 m)

Boom structure: All welded construction with fabricated box type design. Aluminum bronze bushings with grease grooves at boom pivot points.

BOOM REACH

Based on 50" (1,270 mm) high carrier frame.

Boom	40' 0"	(12.19 m)
Horizontal	40' 2"	(12.24 m)
Vertical	43' 3"	(13.18 m)

CYLINDERS

Hydraulic cylinders with wear rings on pistons and bolt on glands for extended life. All cylinders are made of heavy wall steel tubing. Induction hardened cylinder rods with heavy chrome plating. Hose break protection valves on boom cylinders. Spherical bearings at all boom cylinder pivots.

AVAILABLE POWER SOURCES

Cummins QSB 6.7 L diesel, Tier 3 173 hp (129 kw)
@ 2200 rpm, 12v electrical system.

Fuel Reservoir: 125 gallon (475 L)

HYDRAULIC SYSTEM

187 gallon (707 L) hydraulic oil reservoir with return line filter, shut off valve on pump suction line.

Pumps: Variable displacement piston pump producing 119 GPM (450 LPM).

Heavy wall tubing and multi-wire braided hose throughout system.

Main system operating pressure:
4000 PSI (275 BAR) with 3600 PSI (248 BAR)
to swing and grapple functions

Quick disconnect diagnostic ports.

SWING SYSTEM

Continuous rotation on 54" (1372 mm) internal tooth turntable bearing.

Swing speed: 9 rpm – power transmitted through dual motors and planetary gearboxes.

3600 psi (248 BAR) operating pressure to swing and grapple

Swing torque: 55,000 ft. lbs. (74,570 Nm)
(100% theoretical).

Tailswing: 9' 9" (2.96 m) with counterweight

OPERATOR'S CAB

F.O.P.S. certified.

38-1/2" x 55" (978 mm x 1397 mm) forward sloping pressurized cab with sound suppression insulation.

Roof window, sliding side windows with tinted glass on all windows.

Pantograph windshield wipers, washer, and dome light.

Adjustable suspension style seat with arm rests.

Dual electronic joystick controls.

Dash console with cab accessory switches and start/stop controls all located for easy access.

Warning lights & monitor system.

Digital Display: water temperature, voltage, engine oil pressure, fuel, hour meter and engine RPM.

AM/FM radio, CD player, CB radio.

Swing controlled by joystick.

Swing out door

(4) 55 Watt DC lights on front.

(2) 55 Watt DC lights on back.

(1) 55 Watt DC lights on each side.

Climate controlled heating and air conditioning.

Central turntable greasing system.

Steering Wheel.

Foot pedal travel.

ELEVATING CAB (LEFT MOUNTED)

95" (2.4m) of travel.

Maximum Height: 17' 6" (5.33m) eye level.

Proportional control on joystick.

Hydraulic suspension.

Manual cab lowering valve in cab and on platform.

UNDERCARRIAGE

Hydrostatic Drive: Two speed, 4WD powershift transmission powered by a single variable displacement piston motor.

Axes: Planetary drive axles front and rear.

Front oscillating 14 degrees in frame and rear rigid to frame.

Tire Options:

Standard heavy-duty 10.00-20 dual tires.

Premium heavy-duty 10.00-20 dual tires.

Foam filled heavy-duty 10.00-20 dual tires.

Solid rubber 10.00-20 dual tires.

Solid rubber comfort ride 10.00-20 dual tires.

Solid rubber Super Single tires.

Service Brakes: Hydrostatic-dynamic braking mechanism.

Secondary Brakes: Hydraulic multi-disc brakes on all four wheels operated by foot pedal.

Parking Brakes: SAHR brake acting on transmission.

Travel Alarm

Steering: Hydraulic two wheel steering.

Stabilizers: Front and rear mounted fold-down

type hydraulic stabilizer legs with a 13' 4"

(4.06 m) spread, four double acting cylinders

with lock valves, 7" bore x 22" stroke (177 mm x

885 mm) with 4" (101 mm) rods.

High Speed: 12 MPH (19 km/h)

Low Speed: 3 MPH (4.8 km/h)

Wheelbase: 9' 0" (2.74 m)

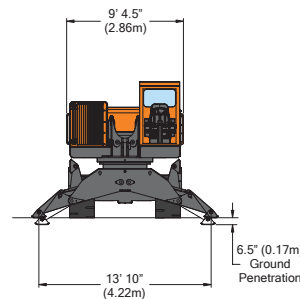
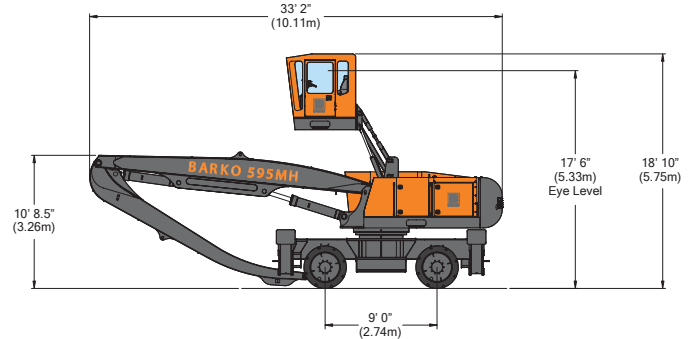
Turning Radius: 22' 1" (6.73 m) outside tires.

595MH (with 41" O.D. tires):

Tractive effort: 18,305 lbs (8,300 kg)

Drawbar pull: 15,500 lbs (7,030 kg)

Gradability: 27 %



MISCELLANEOUS

Weight with standard equipment:

59,000 lbs. (26,760 kg) not including attachment

Equipment greased and hydraulic tank filled.

Removable panels for serviceability.

14,000 lb. (6,350 kg) cast steel counterweight & oil.

OPTIONS

Boom Lights.

Guarding Package for cab.

Orange peel grapple.

Magnets: 48" - 58" diameter.

Auxiliary Hydraulic Oil Cooler.

12V Hydraulic Transfer Pump.

Engine Block Heater.

Thermal Bypass Kit.

Tank Heater.

Automatic Grease System.

AFEX Fire Suppression System.

3 kw Hydraulic Reservoir Heater.

Generator Package: 10 kw - 20 kw

Water Separator Kit.



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