



Bobcat®

SKID STEER LOADERS
S510



One Tough Animal®

S510 — SPECIFICATIONS

Performance

Tipping load (ISO 14397-1)	1703 kg
Rated operating capacity (ISO 14397-1)	851 kg
Pump capacity	64.70 L/min
Pump capacity (with high flow option)	101.10 L/min
System relief at quick couplers	23.8-24.5 MPa
Max. travel speed (high range - option)	17.3 km/h
Max. travel speed (low range)	11.8 km/h

Engine

Make / Model	Bobcat 2.4L, 97/68 EC Stage V
Fuel	Diesel
Cooling	Liquid
Power at 2600 RPM (ISO 14396)	41.0 kW
Torque at 1800 RPM (ISO 14396)	204.0 Nm
Number of cylinders	4
Displacement	2392 cm ³
Fuel tank	93.70 L

Weights

Operating weight	2816 kg
Shipping weight	2431 kg

Controls

Vehicle steering	Hand Levers or optional Selectable Joystick Controls (SJC)
Loader hydraulics tilt and lift	Foot Pedals or optional Selectable Joystick Controls (SJC)
Front auxiliary (standard)	Proportional switch on Hand Levers or optional Selectable Joystick Controls (SJC)

Drive System

Transmission	Infinitely variable tandem hydrostatic piston pumps, driving two fully reversing hydrostatic motors
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Standard Features

Bobcat Interlock Control System (BICS)	Bob-Tach™ frame
Parking brake	Cushioned lift and tilt cylinders
Deluxe operator cab* Includes interior cab foam, side, top and rear windows, Deluxe wire harness, dome light and electrical power port ¹	Lift arm support
Noise reduction kit	Engine/hydraulics system shutdown
Operating lights, front and rear	Spark Arrester
Deluxe instrument panel	Automatically activated glow plugs
Keyless start with password capability	Electrically activated proportional front auxiliary hydraulics
Suspension seat	Auxiliary hydraulics: variable flow/maximum flow
Seat belt	Machine IQ (telematic)
Seat bar	Manual
Hydraulic bucket positioning (including ON/OFF switch)	CE certification
10 x 16.5, 10-ply, Heavy duty tyres	Warranty: 24 months or 2000 hours (whichever occurs first)

1. Roll Over Protective Structure (ROPS) – meets requirements of SAE-J1040 and ISO 3471; Falling Object Protective Structure (FOPS) - meets requirements of SAE-J1043 and ISO 3449, Level I

Options

Deluxe pressurized cab with heating	2 Speed
Deluxe pressurized cab with HVAC	Power Bob-Tach™
Selectable Joystick Controls (SJC - R/C Ready)	Back-up alarm
Cloth Suspension Seat	Radio
10 x 16.5, 10-ply, Heavy duty tyres, offset rims	Beacon
10 x 16.5, 10-ply, Versatile duty tyres	Road Option
10 x 16.5, 10-ply, Severe duty tyres	Automatic Ride Control
31 x 10 - 20, Industrial duty tyres	Automatic Reversing Fan
High-flow auxiliary hydraulics	Custom paint color (min order of 5 units)
7-pin attachment control	

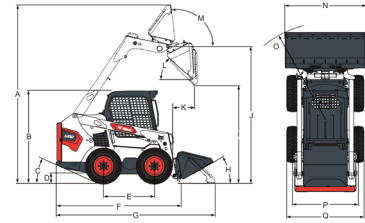
Environmental

Operator LpA(98/37 & 474-1)	86 dB(A)
Noise level LWA(EU Directive 2000/14/EC)	98 dB(A)
Whole body vibration (ISO 2631-1) High speed	0.78 ms ⁻²
Whole body vibration uncertainty	0.39 ms ⁻²
Hand-arm vibration (ISO 5349-1) High speed	1.29 ms ⁻²



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Dimensions



(A)	3787.0 mm	(J)	2908.0 mm
(B)	1972.0 mm	(K)	467.0 mm
(C)	24.2°	(L)	42.0°
(D)	185.0 mm	(M)	97.0°
(E)	1082.0 mm	(N)	1727.0 mm
(F)	2657.0 mm	(O)	2032.0 mm
(G)	3378.0 mm	(P)	1374.0 mm
(H)	30.0°	(Q)	1643.0 mm
(I)	2205.0 mm		

Attachments

Angle Brooms	Mixing Buckets
Auger Accessories	Mowers
Augers	Pallet Fork Accessories
Backhoes	Pallet Forks, Hydraulic
Bale Forks	Remote Control
Box Blades	Root Grapples
Breaker Accessories	Scarifiers
Breakers	Scrapers
Brushcat™ Rotary Cutters	Skeleton Buckets
Brush Saws	Snow & Light Material Buckets
Combination Buckets	Snow Blades
Concrete Mixers	Snow Pushers
Construction / Industrial Buckets	Snow V-Blades
Diggers	Sod Layers
Dozer Blades	Soil Conditioners
Drop Hammers	Spreaders
Dumping Hoppers	Steel Tracks
Fertilizer and Grain Buckets	Stump Grinders
Flail Cutters	Sweepers
General Purpose (GP) Bucket	Tillers
Graders	Tilt-Tatch
Grapples, Industrial	Tree Transplanters
Landplanes	Trench Compactors
Landscape Rakes	Utility Forks
Laser Equipment	Vibratory Rollers
Low Profile Buckets	Whisker Brooms
Miscellaneous	Wood Chippers

Certain specification(s) are based on engineering calculations and are not actual measurements. Specification(s) are provided for comparison purposes only and are subject to change without notice. Specification(s) for your individual Bobcat equipment will vary based on normal variations in design, manufacturing, operating conditions, and other factors. Pictures of Bobcat units may show other than standard equipment.



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