**Bobcat**.

## Loaders **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) System relief at quick couplers	101.10 L/min 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) Number of cylinders	204.0 Nm 4
Displacement	4 2392 cm <sup>3</sup>
Fuel tank	93.70 L
Weights	
Operating weight	2816 kg
Shipping weight	2431 kg
Controls	
Vehicle steering	Hand Levers or optional Selectable Joystick Controls
l andre buden die Alter of 10	(SJC)
Loader hydraulics tilt and lift Front auxiliary (standard)	Foot Pedals or optional Selectable Joystick Controls (SJC) Proporcional 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
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	Lift arm support
and rear windows, Deluxe wire harness, dome light and	Engine/hydraulics system shutdown
electrical power port <sup>1</sup> Noise reduction kit	Spark Arrester Automatically activated glow plugs
Operating lights, front and rear	Electrically activated proportional front auxiliary hydraulics
Deluxe instrument panel	Auxiliary hydraulics: variable flow/maximum flow
Keyless start with password capability	Machine IQ (telematic)
Suspension seat	Manual
Seat belt	CE certification
Seat bar	Warranty: 24 months or 2000 hours (whichever occurs
Hydraulic bucket positioning (including ON/OFF switch) 10 x 16.5, 10–ply, Heavy duty tyres	first)
	and ISO 3471; Falling Object Protective Structure (FOPS) - meets requirements of
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
I0 x 16.5, 10–ply, Versatile duty tyres	Road Option
I0 x 16.5, 10–ply, Severe duty tyres 31 x 10 - 20, Industrial duty tyres	Automatic Ride Control 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 <sup>-2</sup>
Whole body vibration uncertainty	$0.39 \text{ ms}^2$
nano-ann vibration (ISO 5349-1) High speed	1.29 mS <sup>-2</sup>
Whole body vibration uncertainty Hand-arm vibration (ISO 5349–1) High speed	0.39 ms <sup>-2</sup> 1.29 ms <sup>-2</sup>

## **Dimensions**

(A) (B)	3787.0 mm 1972.0 mm	(J) (K)	2908.0 mm 467.0 mm	
(C)	24.2°	(L)	42.0°	
(D)	185.0 mm 1082.0 mm	(M)	97.0°	
(E) (F)	2657.0 mm	(N) (O)	1727.0 mm 2032.0 mm	
(G)	3378.0 mm	(O) (P)	1374.0 mm	
ÌΗ)	30.0°	(Q)	1643.0 mm	
(I)	2205.0 mm	(Q*)	1520.0 mm	
Atta	achments			
•	e Brooms		g Buckets	
Auge	er Accessories	Mowe	ers t Fork Accessories	
•	hoes		Forks, Hydraulic	
Bale Forks		Remote Control		
Box Blades		Root Grapples		
Breaker Accessories Breakers		Scarifiers Scrapers		
Brushcat <sup>™</sup> Rotary Cutters		Skeleton Buckets		
Brush Saws		Snow & Light Material		
Combination Buckets		Buckets		
Concrete Mixers		Snow Blades		
Construction / Industrial Buckets		Snow Pushers Snow V-Blades		
Diggers		Sod Layers		
Dozer Blades		Soil Conditioners		
Drop Hammers		Spreaders		
Dumping Hoppers Fertilizer and Grain Buckets		Steel Tracks Stump Grinders		
Flail Cutters		Sweepers		
General Purpose (GP)		Tillers		
Buck		Tilt-Ta		
Grad			Transplanters	
Grapples, Industrial Landplanes		Trench Compactors Utility Forks		
Landscape Rakes		Vibratory Rollers		
Laser Equipment		Whisker Brooms		
	Profile Buckets ellaneous	Wood	I Chippers	