Bobcat.

S510 Loaders

Specifications

Machine Rating

Machine Rating		Dimensions	
Rated operating capacity (ISO 14397-1) Tipping load (ISO 14397-1) Pump capacity System relief at quick couplers Max. travel speed (high range - option) Max. travel speed (low range)	810 kg 1619 kg 64.70 L/min 23.8-24.5 MPa 17.3 km/h 11.8 km/h		
Engine			
Make / Model Fuel Cooling Power (SAE J1995) at 2800 RPM: Torque (SAE J 1995) at 1700 RPM: Number of cylinders Displacement Fuel tank	Kubota / V2203-M-DI-E2B-BC-3 Diesel Liquid 36.4 kW 150.0 Nm 4 2196 cm ³ 93.70 L	(A) 3787.0 mm (B) 1972.0 mm (C) 24° (D) 185.0 mm (E) 1082.0 mm (F) 2657.0 mm	
Weights		(G) 3378.0 mm (H) 30°	
Operating weight Shipping weight	2686 kg 2343 kg	(I) 2205.0 mm	
Controls		Attachments Angle Brooms	
Vehicle steering Loader hydraulics tilt and lift	Direction and speed controlled by two hand levers or optional Advanced Control System (ACS), Advanced Hand Controls (AHC) or Selectable Joystick Controls (SJC) Separate foot pedals or optional Advanced Control System (ACS), Advanced Hand Controls (AHC) or Selectable Jouritick Controls (C)	Augers Backhoes Bale Forks Box Blades Breakers Brush Saws	
Front auxiliary (standard)	Selectable Joystick Controls (SJC) Electrical switch on right-hand steering lever	Bucket Adapters Combination Bucke	
Drive System		Concrete Mixers	
Transmission Standard Features	Infinitely variable tandem hydrostatic piston pumps, driving two fully reversing hydrostatic motors	Construction / Indu Buckets Diggers Dozer Blades	
Cushion suspension seat Automatically activated glow plugs Auxiliary hydraulics: variable flow/maximum flow Bob-Tach [™] frame Bobcat Interlock Control System (BICS) Deluxe operator cab* Includes interior cab foam, side, top and rear windows, Deluxe wire harness, dome light, and electrical power port, cup holder, storage place, horn ¹ Electrically activated proportional front auxiliary hydraulics Engine/hydraulics system shutdown Hydraulic bucket positioning (including ON/OFF switch) Instrumentation 1. Roll Over Protective Structure (ROPS) – meets requirements of SAE-J1040 a SAE-J1043 and ISO 3449, Level I Options	Lift arm support Noise reduction kit Work lights, front and rear Parking brake Seat belt Seat bar Spark arrestor muffler 10 x 16.5, 10–ply, Heavy duty tyres CE certification Warranty: 12 months or 2000 hours (whichever occurs first) and ISO 3471; Falling Object Protective Structure (FOPS) - meets requirements of	Drop Hammers Dumping Hoppers Fertilizer Buckets Flail Cutters General Purpose B Graders Grapples, Industria Landplanes Landscape Rakes Laser Equipment Low Profile Buckets Miscellaneous Mixing Buckets Mowers Packer Wheels Pallet Forks, Hydra	
Deluxe instrument panel Power Bob-Tach™	Selectable Joystick Controls (SJC) Two speed	Pallet Forks, Stand	

3787 0 mm (1) 2008 0 mm

)	3787.0 mm	(J)	2908.0 mm
)	1972.0 mm	(K)	467.0 mm
)	24°	(L)	42°
)	185.0 mm	(M)	97°
)	1082.0 mm	(N)	1727.0 mm
)	2657.0 mm	(O)	2032.0 mm
i)	3378.0 mm	(P)	1374.0 mm
)	30°	(Q)	1643.0 mm
	2205 0 mm		

Attachments

Angle Brooms Augers Backhoes Bale Forks Box Blades Breakers Brush Saws Bucket Adapters Combination Buckets Concrete Mixers Construction / Industrial Buckets Diggers Dozer Blades Drop Hammers Dumping Hoppers ertilizer Buckets lail Cutters General Purpose Buckets Graders Grapples, Industrial andplanes. andscape Rakes aser Equipment ow Profile Buckets liscellaneous /lixing Buckets /lowers Packer Wheels Pallet Forks, Hydraulic Pallet Forks, Standard

Planers Root Grapples Rotary Cutters Scarifiers Scrapers Seeders Skeleton Buckets Snow & Light Material Buckets Snow Blades Snowblowers Snow Pushers Snow V-Blades Sod Layers Soil Conditioners Spare Wheels Spreaders Stabilizers Stump Grinders Sweepers Tillers Tilt-Tatch Tracks Tree Transplanters **Trench Compactors** Trenchers Utility Forks Utility Frames Vibratory Rollers Water Kits Whisker Brooms

Deluxe instrument panel	Selectable Joystick Controls (SJC)
Power Bob-Tach™	Two speed
Cab enclosure with heating	Air ride seat with 2 point seat belt
10 x 16.5, 10-ply, Heavy duty tyres, offset rims	Back-up alarm
10 x 16.5, 10–ply, Severe duty tyres	Beacon
12 x 16.5, 12-ply, Severe duty tyres, poly filled	Engine block heater
12 x 16.5, Solid flex tyres	Fire extinguisher
31 x 12-16.5, 10-ply, Superflotation tyres	Radio
Advanced Control System (ACS)	Road kit
Advanced Hand Controls (AHC)	Strobe
Environmental	
Fuel consumption at 100% engine load	10.60 L/min

8.70 L/min

7.60 L/min 7.20 L/min

Fuel consumption at 70% engine load Fuel consumption at 50% engine load Fuel consumption at 30% engine load

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