

S510 | Loaders

Specifications

Performance		Dimensions	
Tipping load (ISO 14397-1) Rated operating capacity (ISO 14397-1) Pump capacity Pump capacity (with high flow option) Push Force System relief at quick couplers Max. travel speed (high range - option) Max. travel speed (low range)	1703 kg 851 kg 64.70 L/min 101.10 L/min 2377 daN 23.8-24.5 MPa 17.3 km/h 11.8 km/h		
Engine			
Make / Model Fuel Cooling Power at 2600 RPM (ISO 14396) Torque at 1800 RPM (ISO 14396) Number of cylinders Displacement Fuel tank Weights	Bobcat 2.4L, 97/68 EC Stage V Diesel Liquid 41.0 kW 204.0 Nm 4 2392 cm ³ 93.70 L	 (A) 3787.0 mm (B) 1972.0 mm (C) 24.2° (D) 185.0 mm (E) 1082.0 mm (F) 2657.0 mm (G) 3378.0 mm (H) 30.0° (I) 2205.0 mm 	(J) 2908.0 mm (K) 467.0 mm (L) 42.0° (M) 97.0° (N) 1727.0 mm (O) 2032.0 mm (P) 1374.0 mm (Q) 1643.0 mm (Q*) 1520.0 mm
Operating weight Shipping weight	2816 kg 2431 kg	Attachments	
Controls	2.01.13	Auger Accessories Augers	Planer Accessories Planers
Vehicle steering	Hand Levers or optional Selectable Joystick Controls	Backhoes Bale Forks	Rear Stabilizers Remote Control
Loader hydraulics tilt and lift Front auxiliary (standard)	(SJC) Foot Pedals or optional Selectable Joystick Controls (SJC) Proporcional switch on Hand Levers or optional Selectable Joystick Controls (SJC)	Bate Fors Box Blades Breaker Accessories Breakers Brushcat™ Rotary Cutters	Root Grapples Scarifiers Scrapers Seeders
Drive System		Brush Saws	Skeleton Buckets
Transmission	Infinitely variable tandem hydrostatic piston pumps, driving two fully reversing hydrostatic motors	Combination Buckets Concrete Mixers Construction / Industrial	Snow Blades Snow Pushers Snow V-Blades
Standard Features		Buckets Diggers	Sod Layers Soil Conditioners
Bobcat Interlock Control System (BICS) Parking brake Deluxe operator cab* Includes interior cab foam, side, top and rear windows, Deluxe wire harness, dome light and electrical power port ¹ Noise reduction kit Operating lights, front and rear Deluxe instrument panel Keyless start with password capability Suspension seat Seat belt Seat balt Hydraulic bucket positioning (including ON/OFF switch) 10 x 16.5, 10–ply, Heavy duty tyres 1. Roll Over Protective Structure (ROPS) – meets requirements of SAE-J1040 at SAE-J1043 and ISO 3449, Level I	Bob-Tach [™] frame Cushioned lift and tilt cylinders Lift arm support Engine/hydraulics system shutdown Spark Arrester Automatically activated glow plugs Electrically activated proportional front auxiliary hydraulics Auxiliary hydraulics: variable flow/maximum flow Machine IQ (telematic) Manual CE certification Warranty: 24 months or 2000 hours (whichever occurs first) and ISO 3471; Falling Object Protective Structure (FOPS) - meets requirements of	Dozer Blades Drop Hammers Dumping Hoppers Flail Cutters Graders Grapples, Industrial Landplanes Landscape Rakes Laser Equipment Low Profile Buckets Miscellaneous Mixing Buckets Mowers Pallet Fork Accessories Pallet Forks, Hydraulic	Spreader Spreaders Steel Tracks Stump Grinders Sweepers Tillers Tilt-Tatch Tree Transplanters Trench Compactors Utility Forks Utility Forks Utility Frames Vibratory Rollers Wood Chippers
	2 Speed		
Deluxe pressurized cab with heating Deluxe pressurized cab with HVAC Selectable Joystick Controls (SJC - R/C Ready) Cloth Suspension Seat 10 x 16.5, 10–ply, Heavy duty tyres, offset rims 10 x 16.5, 10–ply, Versatile duty tyres 10 x 16.5, 10–ply, Severe duty tyres 31 x 10 - 20, Industrial duty tyres High-flow auxiliary hydraulics 7-pin attachment control	2 Speed Power Bob-Tach™ Back-up alarm Radio Beacon Work Lights LED Road Option Automatic Ride Control Automatic Reversing Fan Custom paint color (min order of 5 units)		
Environmental Operator LpA(98/37 & 474-1)	86 dB(A)		
Noise level LWA(EU Directive 2000/14/EC) Whole body vibration (ISO 2631–1) High speed Whole body vibration uncertainty	98 dB(A) 98 dB(A) 0.78 ms ² 0.39 ms ²		

Noise level LWA(EU Directive 2000/14/EC) Whole body vibration (ISO 2631–1) High speed Whole body vibration uncertainty Hand-arm vibration (ISO 5349-1) High speed

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0.39 ms⁻²

1.29 ms⁻²