



Bobcat®



Doosan Infracore
Construction Equipment

SKID STEER LOADERS S450



One Tough Animal™

COMPACT, COMFORT AND CONTROL

Picture the acclaimed cab of the 500 series loaders on this compact machine. For the first time in this class, large machine comfort and technology are built into a compact: for greater operator space, comfort and control.

New cab-forward design gives you greater visibility and safety.

Largest cab door on this size of machine.

HVAC and pressurized cab as a first on a machine of this size.



Performance and Control

Redesigned hydraulic and transmission systems for improved productivity.

New lift arm design for flatter lift curve and use of dual tilt cylinders.

Optional Selectable Joystick controls have operator seat mounted joysticks for increased control and comfort. Plus, 2-speed option for faster travel speed.



Uptime

New frame and lift arms for greater durability in heavy-duty applications.
Integrated rear bumper extends beyond the frame to protect the tailgate.
Long-life hydraulic oil filter extends service intervals.
Automatic drive belt tensioner.



Serviceability

Improvements to key service components:

- Battery access and fuse box.
- Air filter access and cover.
- Hydraulic tank level and filters.
- Easy clean cooling package.
- Simplified grease points.



S450 — SPECIFICATIONS

MACHINE RATING

	S450
Rated operating capacity (Bobcat)	608 kg
Tipping load	1215 kg
Pump capacity	64.00 L/min
System relief at quick couplers	22.4-23.1 MPa
Max. travel speed (high range - option)	14.8 km/h
Max. travel speed (low range)	11.4 km/h

ENGINE

Make / Model	Kubota / V2203-M-DI-E28-BC-3
Fuel	Diesel
Cooling	Liquid
Power at 2400 RPM	36.4 kW
Torque at 1425 RPM (SAE J1 995 Gross)	150.0 Nm
Number of cylinders	4
Displacement	2196 cm ³
Fuel tank	54.50 L

WEIGHTS

Operating weight	2240 kg
Shipping weight	2052 kg

CONTROLS

Vehicle steering	Direction and speed controlled by two hand levers
Loader hydraulics tilt and lift	Separate foot pedals or optional Advanced Control System (ACS) or Selectable Joystick Controls (SJC)
Front auxiliary (standard)	Electrical switch on right-hand steering lever

DRIVE SYSTEM

Transmission	Infinitely variable tandem hydrostatic piston pumps, driving two fully reversing hydrostatic motors
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STANDARD FEATURES¹

Cushion suspension seat	Instrumentation
Automatically activated glow plugs	Lift arm support
Auxiliary hydraulics: variable flow/maximum flow	Noise reduction kit
Bob-Tach frame	Operating lights, front and rear
Bobcat Interlock Control System (BICS)	Parking brake
10 x 16.5, 10ply, Heavy duty tyres	Seat belt
Deluxe operator cab* Includes interior cab foam, side, top and rear windows, Deluxe wire harness, dome light, and electrical power port ¹	Seat bar
Electrically activated proportional front auxiliary hydraulics	Spark arrestor muffler
Engine/hydraulics system shutdown	CE certification
	Warranty: 12 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

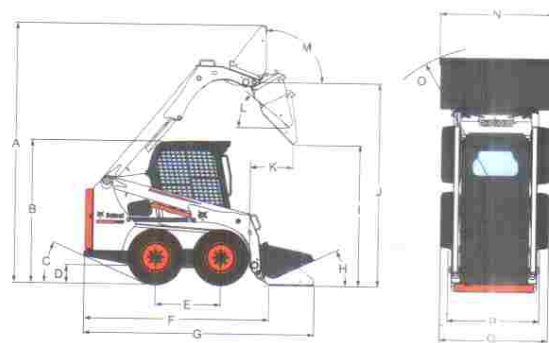
Deluxe instrument panel	10 x 16.5, Solid Flex tyres
Power Bob-Tach	Advanced Control System (ACS)
Cab enclosure	Selectable Joystick Controls (SJC)
Cab enclosure with heating	Air ride seat with 2 point seat belt
Cab enclosure with HVAC	Radio
Hydraulic bucket positioning (including ON/OFF switch)	Strobe
10 x 16.5, 10ply, Severe duty tyres	Back-up alarm
10 x 16.5, 12ply, Severe duty tyres, poly filled	Beacon

ENVIRONMENTAL

Operator LpA(98/37 & 474-1)	87dB(A)
Noise level LWA(EU Directive 2000/14/EC)	101dB(A)
Whole body vibration (ISO 26311) High speed	1.29ms ⁻²
Whole body vibration uncertainty	0.52ms ⁻²
Hand-arm vibration (ISO 53491) High speed	1.73ms ⁻²

DIMENSION

All dimensions in mm.



A	3558.0 mm	J	2781.0 mm
B	1976.0 mm	K	587.0 mm
C	23°	L	40°
D	214.0 mm	M	96°
E	900.0 mm	N	1575.0 mm
F	2502.0 mm	O	1.0 mm
G	3172.0 mm	P	1.0 mm
H	26°	Q	1490.0 mm
I	2157.0 mm		

ATTACHMENTS

Angle Brooms	Pallet Forks, Standard
Augers	Planers
Backhoes	Root Grapples
Bale Forks	Scarifiers
Breakers	Scrapers
Brush Saws	Seeders
Bucket Adapters	Skeleton Buckets
Concrete Mixers	Snow & Light Material Buckets
Construction / Industrial Buckets	Snow Blades
Cutter Crushers	Snowblowers
Diggers	Snow Pushers
Dozer Blades	Snow V-Blades
Dumping Hoppers	Sod Layers
Fertilizer Buckets	Soil Conditioners
Flail Cutters	Spare Wheels
General Purpose Buckets	Spreaders
Graders	Stabilizers
Grapples, Industrial	Sweepers
Landplanes	Tillers
Landscape Rakes	Tilt-Tatch
Laser Equipment	Tracks
Low Profile Buckets	Trenchers
Miscellaneous	Utility Forks
Mowers	Utility Frames
Packer Wheels	Vibratory Rollers
Pallet Fork Accessories	Water Kits
Pallet Forks, Hydraulic	Whisker Brooms



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