



**Bobcat®**

**SKID STEER LOADERS**  
**S450**



***One Tough Animal®***

# S450 — SPECIFICATIONS

## Machine Rating

|   |               |
|---|---------------|
| Rated operating capacity (ISO 14397-1)  | 608 kg        |
| Tipping load (ISO 14397-1)              | 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-E2B-BC-3 |
| Fuel                                 | Diesel                       |
| Cooling                              | Liquid                       |
| Power at 2800 RPM (ISO 14396 Gross)  | 35.9 kW                      |
| Torque at 1425 RPM (SAE J1995 Gross) | 150.0 Nm                     |
| Number of cylinders                  | 4                            |
| Displacement                         | 2196 cm <sup>3</sup>         |
| Fuel tank                            | 54.50 L                      |

## Weights

|                  |         |
|------------------|---------|
| Operating weight | 2365 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 |
|--------------|---|

## Standard Features

|   |  |
|---|--|
| Cushion suspension seat   | Lift arm support   |
| Automatically activated glow plugs  | Noise reduction kit  |
| Auxiliary hydraulics: variable flow/maximum flow  | Operating lights, front and rear                           |
| Bob-Tach™ frame   | Parking brake  |
| Bobcat Interlock Control System (BICS)  | Seat belt  |
| 10 x 16.5, 10-ply, Heavy duty tyres   | Seat bar   |
| Deluxe operator cab* Includes interior cab foam, side, top and rear windows, Deluxe wire harness, dome light and electrical power port <sup>1</sup> | Spark arrestor muffler                                     |
| Electrically activated proportional front auxiliary hydraulics  | CE certification   |
| Engine/hydraulics system shutdown   | Warranty: 12 months or 2000 hours (whichever occurs first) |
| Instrumentation   |  |

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

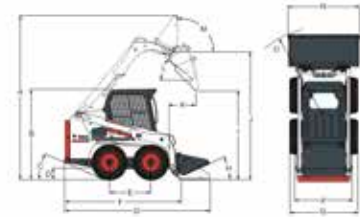
## Options

|  |                                      |
|--|--------------------------------------|
| 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, 10-ply, Severe duty tyres                   | Back-up alarm                        |
| 10 x 16.5, 12-ply, Severe duty tyres, poly filled      | Beacon                               |

## Environmental

|  |                       |
|--|-----------------------|
| Operator LpA(98/37 & 474-1)                  | 87 dB(A)              |
| Noise level LWA(EU Directive 2000/14/EC)     | 101 dB(A)             |
| Whole body vibration (ISO 2631-1) High speed | 1.29 ms <sup>-2</sup> |
| Whole body vibration uncertainty             | 0.52 ms <sup>-2</sup> |
| Hand-arm vibration (ISO 5349-1) High speed   | 1.73 ms <sup>-2</sup> |

## Dimensions



|               |               |
|---------------|---------------|
| (A) 3558.0 mm | (J) 2781.0 mm |
| (B) 1976.0 mm | (K) 587.0 mm  |
| (C) 23.0°     | (L) 40.0°     |
| (D) 214.0 mm  | (M) 96.0°     |
| (E) 900.0 mm  | (N) 1575.0 mm |
| (F) 2502.0 mm | (O) 1940.6 mm |
| (G) 3172.0 mm | (P) 1221.7 mm |
| (H) 26.0°     | (Q) 1490.0 mm |
| (I) 2157.0 mm |               |

## Attachments

|                                   |                               |
|-----------------------------------|-------------------------------|
| Angle Brooms                      | Pallet Forks, Standard        |
| Augers                            | Planers                       |
| Backhoes                          | Root Grapples                 |
| Bale Forks                        | Scarifiers                    |
| Breakers                          | Scrapers                      |
| Brushcat™ Rotary Cutters          | Seeders                       |
| Brush Saws                        | Skeleton Buckets              |
| Bucket Adapters                   | Snow & Light Material Buckets |
| Combination Buckets               | Buckets                       |
| Concrete Mixers                   | Snow Blades                   |
| Construction / Industrial Buckets | Snow Blowers                  |
| Diggers                           | Snow Pushers                  |
| Dozer Blades                      | Snow V-Blades                 |
| Dumping Hoppers                   | Sod Layers                    |
| Fertilizer and Grain Buckets      | Soil Conditioners             |
| Flail Cutters                     | Spare Wheels                  |
| General Purpose (GP) Bucket       | Spreaders                     |
| Graders                           | Steel Tracks                  |
| Grapples, Industrial              | Sweepers                      |
| Landplanes                        | Tillers                       |
| Landscape Rakes                   | Tilt-Tatch                    |
| Laser Equipment                   | Trenchers                     |
| Low Profile Buckets               | Utility Forks                 |
| Miscellaneous                     | Utility Frames                |
| Mowers                            | Water Kits                    |
| Packer Wheels                     | Whisker Brooms                |
| Pallet Fork Accessories           | Wood Chippers                 |
| Pallet Forks, Hydraulic           |                               |



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