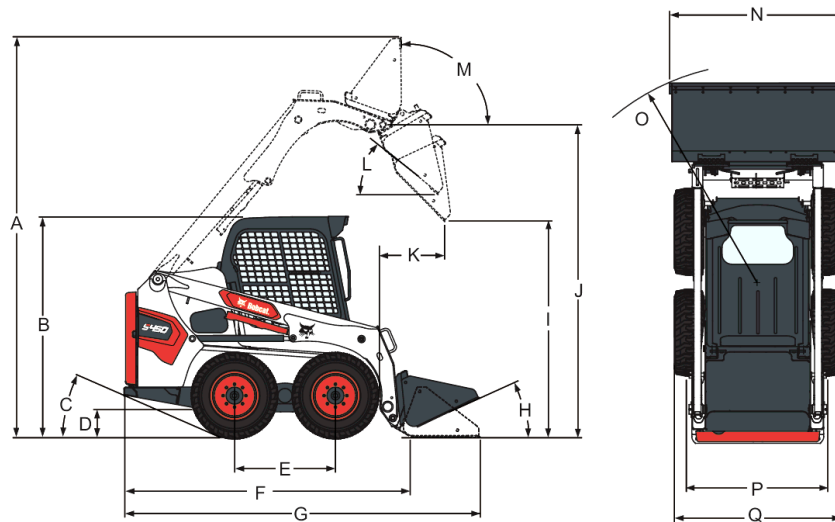


## Dimensions



(A) Operating height	3558.0 mm
(B) Height with operator cab	1976.0 mm
(C) Angle of departure	23.0°
(D) Ground clearance	214.0 mm
(E) Wheelbase	900.0 mm
(F) Length without attachment	2499.0 mm
(G) Length with standard bucket	3172.0 mm
(H) Rollback at ground position	26.0°
(I) Dump height with standard bucket	2157.0 mm
(J) Height to bucket hinge pin	2781.0 mm
(K) Dump reach at maximum height	587.0 mm
(L) Dump angle at maximum height	40.0°
(M) Rollback fully raised at maximum height	91.0°
(N) Width over standard bucket	1575.0 mm
(O) Turning radius with standard bucket	1940.6 mm
(Q) Width over tyres, 10 x 16.5, 10-ply, Heavy duty	1488.4 mm

## Performance

Tipping load (ISO 14397-1)	1308 kg
Rated operating capacity (ISO 14397-1)	654 kg
Torque	1416.0
Tilt breakout force	1807 daN
Push Force	1866 daN
Axle torque	5423.0 Nm

## Cycle Times

Raise lift arms	2.5 s
Lower lift arms	2.0 s
Bucket rollback	1.5 s
Bucket dump	1.8 s

## Weights

Operating weight	2436 kg
Shipping weight	2221 kg

## Engine

Make / Model	Bobcat 2.4L, 97/68 EC Stage V
Fuel	Diesel
Cooling	Liquid
Power at 2600 RPM (ISO 14396)	36.5 kW
Rated speed (EEC 80/1269, ISO 9249)	2600.0 RPM
Torque at 1800 RPM (ISO 14396)	182.2 Nm
Number of cylinders	4
Displacement	2393 cm <sup>3</sup>
Bore	90.0 mm
Stroke	94.0 mm
Lubrication	Pressure system with filter
Crankcase ventilation	Closed
Air filter	Dry replaceable cartridge with safety element
Ignition	Diesel-compression
Starting aid	Glow plugs

## Electrical

Alternator	90 A
Battery	12 V — 600 cold cranking A at -18°C — 115 min reserve capacity at 25 A
Starter	12 V — gear type — 3.0 kW

## Hydraulic System

Pump type	Engine driven, gear type
Pump capacity	63.20 L/min
System relief at quick couplers	22.4-23.1 MPa
Control valve	Three-spool, open-centre type with float detent on lift and electrically controlled auxiliary spool
Hydraulic filter	Full-flow replaceable
Fluid lines	SAE standard tubelines, hoses, and fittings

## Hydraulic Cylinders

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Lift cylinder (2)	Double-acting
Lift cylinder bore	50.8 mm
Lift cylinder rod	31.8 mm
Lift cylinder stroke	665.0 mm
Tilt cylinder (2)	Double-acting with cushioning feature on dump and rollback
Tilt cylinder bore	60.5 mm
Tilt cylinder rod	31.8 mm
Tilt cylinder stroke	357.0 mm

## Drive System

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Transmission	Infinitely variable tandem hydrostatic piston pumps, driving two fully reversing hydrostatic motors
Final drive chains	Pre-stressed #80 HSOC endless roller chain (no master link) and sprockets in sealed chaincase with oil lubrication. (Chains do not require periodic adjustments.) Two chains per side with no idler sprocket.
Main drive	Fully hydrostatic; four-wheel drive
Axle size	50.8 mm, heat treated. Axle tubes welded to chaincase. Labyrinth axle seal protection.
Wheel bolts	Eight 9/16–inch wheel bolts fixed to axle hubs

## Traction

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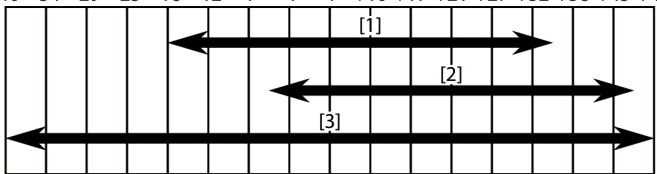
Max. travel speed (low range)	11.4 km/h
Max. travel speed (high range - option)	14.8 km/h
Gradeability	20° Continuous and 30° Intermittent

## Fluid Capacities

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Chaincase reservoir	21.00 L
Cooling system	9.60 L
Engine oil with filter	5.50 L
Fuel tank	53.80 L
Hydraulic reservoir	5.30 L
Hydraulic / Hydrostatic system	21.00 L

## Fluid Specifications

Engine coolant	Propylene glycol/water mix (53% - 47%) with freeze protection to -37°C 5 L can - 6904844A, 25 L container - 6904844B, 209 L drum - 6904844C, 1000 L tank - 6904844D
Engine oil	Refer to temperature range anticipated before next oil change. Must use API Category CI-4 or better, or ACEA E7 or better. Do not use API Category FA-4 engine oil.
	(°C) -40 -34 -29 -23 -18 -12 -7 -1 4 +10 +17 +21 +27 +32 +38 +43 +49
	
	[1] SAE 10W-30 [2] SAE 15W-40 [3] Bobcat Synthetic Oil – SAE 5W-40
Hydraulic fluid	Bobcat engine oils are recommended for use in this machine. If Bobcat engine oil is not available, use a good quality engine oil that meets API Service Category of CI-4 or better, or ACEA E7 or better * Can be used only when available with appropriate diesel rating. For synthetic oil use the recommendation from the oil manufacturer. Bobcat Superior SH, 5 L can - 6904842A, 25 L container - 6904842B, 209 L drum - 6904842C, 1000 L tank - 6904842D Bobcat Bio Hydraulic, 5 L can - 6904843A, 25 L container - 6904843B, 209 L drum - 6904843C, 1000 L tank - 6904843D Motor oil is not an acceptable alternative fluid.

## Controls

Engine Starting	Hand throttle or optional foot accelerator pedal (SJC) Key-type starter switch and shutdown or optional keyless start. Glow plugs automatically activated by Standard or Deluxe instrument panel.
Front auxiliary (standard)	Proportional switch on Hand Levers or optional Selectable Joystick Controls (SJC)
Rear auxiliary (optional)	Electrical switch on left-hand steering lever
Loader hydraulics tilt and lift	Foot Pedals or optional Selectable Joystick Controls (SJC)
Service brake	Two independent hydrostatic systems controlled by two hand-operated steering levers
Secondary brake	One of the hydrostatic transmissions
Parking brake	Mechanical disc, hand-operated rocker switch on dash panel
Vehicle steering	Hand Levers or optional Selectable Joystick Controls (SJC)
Auxiliary pressure release	Pressure is relieved through the coupler block. Push in and hold for 5 s.

## Instrumentation

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The following loader functions are monitored by a combination of gauges and warning lights in the operator's line of sight. The system alerts the operator of monitored loader malfunctions by way of audible alarm and visual warning lights.

### **Standard Instrument Panel**

- Gauges
  - Engine coolant temperature
  - Fuel
- Indicators
  - Bobcat Interlock Control System
  - Engine preheat
  - Two speed
  - Turn signals
- Warning lights
  - Engine coolant temperature
  - Fuel level
  - General warning
  - Seat belt
  - Seatbar down
  - Engine malfunction
  - Hydraulic system malfunction
  - Lift and tilt valve, hydraulics lock-out
  - Parking brake
  - Hydraulic oil temperature
  - Engine oil pressure
  - Hydraulic oil pressure
- Buttons
  - Auto idle switch
  - Work lights and road lights
  - Auxiliary hydraulics
  - Information (Hour meter, Engine RPM, Battery voltage, Service codes, Service reminder, Maintenance clock)
  - Traction lock override
  - Press to operate loader
- Rocker switch
  - Parking brake
- Alarm
  - Beep when error, warning or shutdown condition exists

### **Deluxe Instrument Panel**

Same gauges, warning lights and other features as Standard Instrument Panel, plus:

- Gauges
  - Engine oil pressure / temperature
  - Hydrostatic charge pressure
  - Hydraulic oil temperature
  - Battery

- Additional features
  - Keyless start with password capability
  - Digital clock
  - User name and hourmeter
  - Attachments control information
  - Current job hours
  - High Flow lockouts
  - Multi-language display
  - Help screens
  - Auto Idle
  - DPF Management
  - Diagnostic capability
  - Engine/hydraulic systems shutdown function
  - Password lockout
- Icons
  - Active warnings
  - Vitals (Engine speed, Oil Pressure, Temperature, System voltage, Hydraulic charge pressure, Oil temperature)
  - Service
  - Main screen
  - Attachments
  - Security
  - DPF Regeneration
  - HEST Lamp
  - Inhibit DPF Regeneration
  - Forced Parked Regeneration
  - Display
- Buttons
  - Left scroll
  - Enter
  - Right scroll

## Serviceability

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Access is available to the following through the rear door/tailgate and rear screen:

- Air cleaner
- Alternator
- Battery
- Cooling radiators
- Engine oil and fuel filters
- Engine oil drain and dipstick
- Hydraulic oil fill
- Starter

Axle hubs provide protection for the axle seals

Bob-Tach™ pivots have replaceable wear bushings

Easy access to all grease points

Rod end of the tilt cylinder has a replaceable bushing

Tailgate has an optional lock for vandal-proofing

Tailgate is equipped with door-stop to hold door open while servicing

Tip-up operator cab gives access to certain hydraulic system components

## Standard Features

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- 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 <sup>1</sup>
- Noise reduction kit
- Operating lights, front and rear
- Deluxe instrument panel
- Keyless start with password capability
- Suspension seat
- Seat belt
- Seat bar
- 10 x 16.5, 10-ply, Heavy duty tyres
- 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)

## Options

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- Factory Options
  - Deluxe pressurized cab with heating
  - Deluxe pressurized cab with HVAC
  - Selectable Joystick Controls with 2 Speed (SJC - R/C Ready)
  - Cloth Suspension Seat
  - 10 x 16.5, 10-ply, Versatile duty tyres
  - 31 x 10 - 20, Industrial duty tyres
  - 10 x 16.5, 10-ply, Severe duty tyres
  - Hydraulic bucket positioning (including ON/OFF switch)
  - Power Bob-Tach™
  - Radio
  - Strobe
  - Back-up alarm
  - Beacon
  - Work Lights LED
  - Road Option
  - Custom paint color (min order of 5 units)

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

- Dealer Installed Options
  - Rear Camera with Display kit
  - Ride control
  - Cab enclosure kit
  - Special applications front door kit
  - 200 lbs (74.4 kg) counterweight kit
  - Front axle counterweight kit
  - Fuel cap locking kit
  - Deluxe instrument panel
  - Replacement Bob-Tach™
  - Fresh air heater kit
  - Front door kit
  - Door sensor kit
  - Plumbing kit for fresh air heater
  - Back up alarm kit
  - FOPS kit \*\*
  - Single-point lift kit
  - Power Bob-Tach™ kit
  - Operator cab, CE, enclosure kit
  - 7-pin attachment control
  - Four-point lift kit
  - Rear auxiliary hydraulic kit
  - Engine block heater kit
  - Road kit
  - Bucket positioning kit
  - Keyless kit
  - Rear window wiper kit
  - 14-pin attachment control kit
  - 4-Way flasher kit
  - 80 mm Suspension seat kit
  - Cup holder kit
  - Headlight guard kit
  - Muffler guard kit
  - Tail light guard kit

## Attachments

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- |                                     |                         |
|-------------------------------------|-------------------------|
| • Auger Accessories                 | • Planer Accessories    |
| • Augers                            | • Planers               |
| • Backhoe Accessories               | • Rear Stabilizers      |
| • Backhoes                          | • Remote Control        |
| • Bale Forks                        | • Root Grapples         |
| • Boring Units                      | • Rotary Grinders       |
| • Box Blades                        | • Sand Cleaners         |
| • Breaker Accessories               | • Scarifiers            |
| • Breakers                          | • Scrapers              |
| • Brushcat™ Rotary Cutters          | • Seeders               |
| • Brush Saws                        | • Silt Fence Installers |
| • Combination Buckets               | • Skeleton Buckets      |
| • Concrete Mixers                   | • Snow Blades           |
| • Concrete Pumps                    | • Snow Pushers          |
| • Construction / Industrial Buckets | • Snow V-Blades         |
| • Diggers                           | • Sod Layers            |



- Dozer Blades
- Drop Hammers
- Dumping Hoppers
- Flail Cutters
- Forestry Cutters
- Graders
- Grapples, Industrial
- Landplanes
- Landscape Rakes
- Laser Equipment
- Low Profile Buckets
- Miscellaneous
- Mixing Buckets
- Mowers
- Pallet Fork Accessories
- Pallet Forks, Hydraulic
- Pallet Forks, Standard
- Soil Conditioners
- Spreader
- Spreaders
- Steel Tracks
- Stump Grinders
- Sweepers
- Tillers
- Tilt-Tatch
- Tree Transplanters
- Trench Compactors
- Trenchers
- Utility Forks
- Utility Frames
- Vibratory Rollers
- Wheel Saws
- Wood Chippers

## Environmental

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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 ms <sup>-2</sup>
Hand-arm vibration (ISO 5349-1) High speed	1.29 ms <sup>-2</sup>