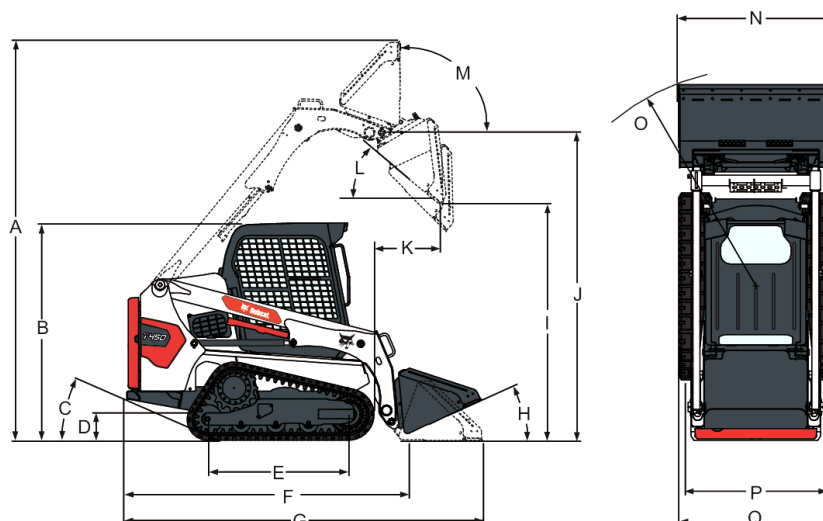


Dimensions



(A) Operating height	3604.0 mm
(B) Height with operator cab	1976.0 mm
(C) Angle of departure	28.0°
(D) Ground clearance	213.0 mm
(E) Ground contact length	1275.0 mm
(F) Length without attachment	2499.0 mm
(G) Length with standard bucket	3216.0 mm
(H) Rollback at ground position	26.0°
(I) Dump height with standard bucket	2129.0 mm
(J) Height to bucket hinge pin	2781.0 mm
(K) Dump reach at maximum height	597.0 mm
(L) Dump angle at maximum height	40.0°
(M) Rollback fully raised at maximum height	91.0°
(N) Bucket width, 56-inch	1422.0 mm
(N*) Bucket width, 68-inch	1575.0 mm
(O) Turning radius with standard bucket	1979.0 mm
(P) Track, 300 mm tracks	1097.0 mm
(Q) Width over tracks, 300 mm tracks	1397.0 mm

Machine Rating

Lift breakout force	1426 daN
Tilt breakout force	1781 daN
Ground pressure	40.00 kPa
Rated operating capacity (no more than 35% of Tipping Load)	717 kg
Push force	2388 daN
Tipping load (ISO 14397-1)	2049 kg

Cycle Times

Raise lift arms	2.6 s
Lower lift arms	2.4 s
Bucket rollback	1.5 s
Bucket dump	2.0 s

Weights

Operating weight	2961 kg
Shipping weight	2665 kg
Ground pressure	34.00 kPa

Engine

Make / Model	Bobcat 2.4L, 97/68 EC Stage V
Fuel	Diesel
Cooling	Liquid
Power at 2600 RPM (ISO 14396)	41.0 kW
Rated speed (EEC 80/1269, ISO 9249)	2600.0 RPM
Torque at 1800 RPM (ISO 14396)	204.2 Nm
Number of cylinders	4
Displacement	2393 cm ³
Bore	90.0 mm
Stroke	94.0 mm
Lubrication	Gear pump pressure
Crankcase ventilation	Closed breathing
Air filter	Dry replaceable cartridge with safety element
Ignition	Diesel-compression
Starting aid	Glow plugs

Electrical

Alternator	90 A — open frame with internal regulator
Battery	12 V — 600 A cold cranking at -18°C — 115 min reserve capacity at 25 A
Starter	12 V — gear reduction type — 2.7 kW (3.6 HP)

Hydraulic System

Pump type	Engine driven, gear type
Pump capacity	63.00 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 — 10 µm synthetic media element
Fluid lines	SAE standard tubelines, hoses, and fittings

Hydraulic Cylinders

Lift cylinder (2)	Double-acting
Lift cylinder bore	50.8 mm
Lift cylinder rod	31.8 mm
Lift cylinder stroke	665.2 mm
Tilt cylinder (2)	Double-acting
Tilt cylinder bore	60.4 mm
Tilt cylinder rod	31.8 mm
Tilt cylinder stroke	356.9 mm

Drive System

Transmission	Infinitely variable tandem hydrostatic piston pumps, driving two fully reversing hydrostatic motors
Tracks	300 mm width. Tension-grease cylinder and triple-flange spring rollers
Main drive	Fully hydrostatic, rubber track drive

Traction

Tracks	300 mm wide, rubber
Max. travel speed	10.0 km/h
Max. travel speed (high range – optional)	14.4 km/h

Fluid Capacities

Cooling system with heater	12.30 L
Cooling system without heater	11.30 L
Engine oil with filter	8.60 L
Fuel tank	64.90 L
Hydraulic reservoir	5.30 L
Hydraulic / Hydrostatic system	21.00 L

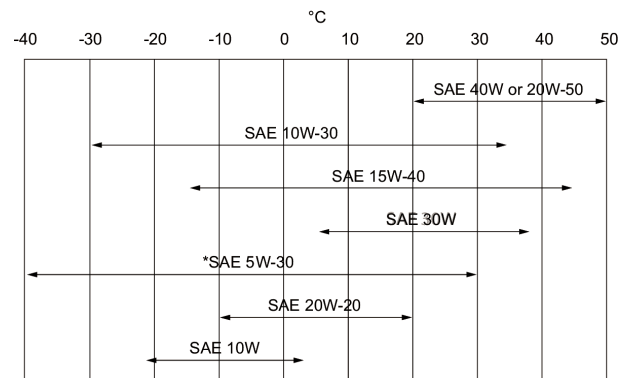
Fluid Specifications

Engine coolant

Bobcat PG Coolant
 5 L can - 6904844A
 25 L container - 6904844B
 209 L drum - 6904844C
 1000 L tank - 6904844D

Engine oil

Oil must meet API Service Classification of CJ-4 or better,
 or ACEA E9 or better.
 Recommended SAE viscosity number for anticipated
 temperature range.



* Can be used only when available with appropriate diesel rating.

For synthetic oil use the recommendation from the oil manufacturer.

Hydraulic fluid

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

Controls

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

Instrumentation

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 level
- Indicators
 - Engine preheat
 - Two speed
 - Turn signals
- Warning lights
 - 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
 - Work lights and road lights
 - Auxiliary hydraulics
 - Information (Hour meter, Engine RPM, Battery voltage, Service codes, Service reminder)
 - 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, date and time
 - User name and hourmeter
 - Attachment control information
 - Current job hours
 - High Flow lockouts
 - Multi-language display
 - Help screens
 - 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
 - Attachment control information
 - Security
 - Display
- Buttons
 - Left scroll
 - Enter
 - Right scroll

Serviceability

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

- Air filter
- Alternator
- Battery
- Cooling system (engine oil and hydraulic oil coolers easily separable for cleaning)
- Engine oil and fuel filters
- Engine oil drain and dipstick
- Hydraulic oil fill and filter (access at the upper right side of the machine)
- Starter

Access available via the side of the machine:

Easy access to all lift arm 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

Bob-Tach™ pivots have replaceable wear bushings

Standard Features

- 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 bar
- Tracks — rubber — 300 mm
- 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

- Factory Options
 - Deluxe pressurized cab with heating
 - Deluxe pressurized cab with HVAC
 - Selectable Joystick Controls (SJC)
 - 2 Speed
 - Cloth Suspension Seat
 - Attachment control device
 - 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

- Auger Accessories
- Augers
- Backhoes
- Bale Forks
- Box Blades
- Breaker Accessories
- Breakers
- Brushcat™ Rotary Cutters
- Brush Saws
- Combination Buckets
- Concrete Mixers
- Construction / Industrial Buckets
- Diggers
- Dozer Blades
- Dumping Hoppers
- Flail Cutters
- Pallet Fork Accessories
- Pallet Forks, Hydraulic
- Planer Accessories
- Rear Stabilizers
- Remote Control
- Root Grapples
- Scarifiers
- Scrapers
- Seeders
- Skeleton Buckets
- Snow Blades
- Snow Pushers
- Snow V-Blades
- Sod Layers
- Soil Conditioners
- Spreader

- Graders
- Grapples, Industrial
- Landplanes
- Landscape Rakes
- Laser Equipment
- Low Profile Buckets
- Miscellaneous
- Mowers
- Spreaders
- Sweepers
- Tillers
- Tilt-Tatch
- Utility Forks
- Utility Frames
- Vibratory Rollers
- Wood Chippers

Environmental

Operator LpA (98/37 & 474-1)	85 dB(A)
Noise level LWA (EU Directive 2000/14/EC)	101 dB(A)
Whole body vibration (ISO 2631-1)	1.00 ms ⁻²
Hand-arm vibration (ISO 5349-1)	2.42 ms ⁻²

Safety

Bobcat Interlock Control System (BICS), standard	Requires the operator to be seated in the loader with the seat bar in place and the engine running. After the operator presses the “Press to Operate Loader” button, the loader's hydraulic lift and tilt functions and traction drive can be operated.
Lift arm bypass control, standard	Used to lower the lift arms in the event that the lift arms cannot be lowered during normal operating conditions.
Seat belt, standard	Should always be worn when operating the loader. Three-point shoulder belt provides restraint for high range speeds.
Seat bar, standard	Secondary operator restraint, also serves as an arm rest.
Operator cab, standard	An enclosed operator cab with side screens with a minimal inside cab width of 838 mm. Meets SAE-J1040 and ISO 3471 for Roll Over Protective Structure (ROPS) and SAE-J1043 and ISO 3449 Level I * for Falling Objects Protective Structure (FOPS). Level II ** option is available.
Lift arm support, standard	Use for servicing when lift arms are raised.
Parking brake, standard	Always set brake when leaving loader.
Grab handles, standard	Should always be used when entering/exiting loader.
Safety tread, standard	Slip resistant tread on lift arms and main frame to be used when entering/exiting loader.
Attachment steps, standard	Should always be used when entering/exiting loader.
Rear window, standard	For emergency exit.
Front and rear work lights, standard	Use for indoor and low light operation.
Back-up alarm, optional	For use in areas with high traffic
Lift kits, optional	Lift kits are available so loader may be lifted into remote areas.
Special applications kit, optional	Restricts objects and material from entering cab openings.
Operator handbook, standard	Weather-resistant operator handbook attached to the inside of the cab, providing operational instructions and warnings decals with pictorials and international symbols.