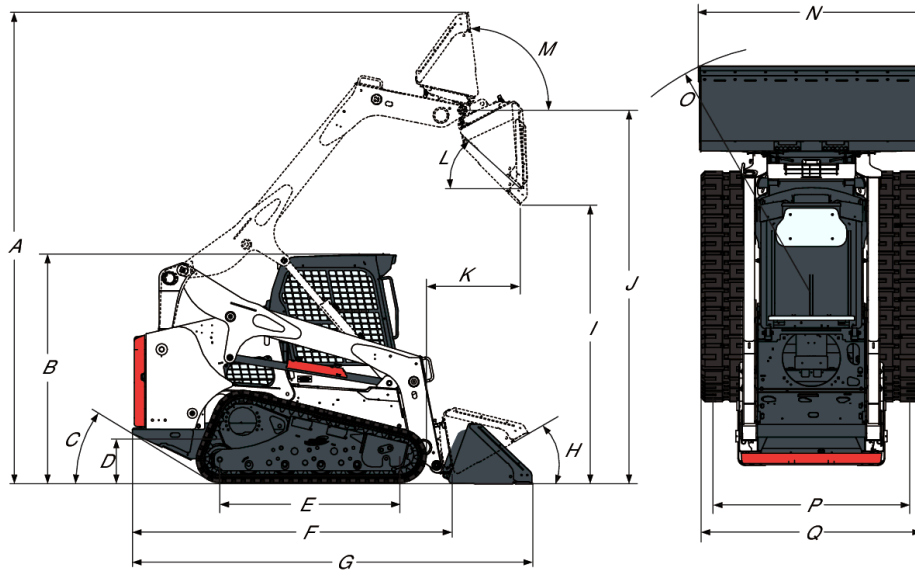


Dimensions



(A) Operating height	4232.0 mm
(B) Height with operator cab	2065.0 mm
(C) Angle of departure	31.0°
(D) Ground clearance	206.0 mm
(E) Ground contact length	1618.0 mm
(F) Length without attachment	2903.0 mm
(G) Length with standard bucket	3597.0 mm
(H) Rollback at ground position	30.0°
(I) Dump height with standard bucket	2649.0 mm
(J) Height to bucket hinge pin	3353.0 mm
(K) Dump reach at maximum height	853.0 mm
(L) Dump angle at maximum height	42.0°
(M) Rollback fully raised at maximum height	98.0°
(N) Bucket width, 80-inch	2032.0 mm
(O) Turning radius with standard bucket	2235.0 mm
(P) Track, 450 mm tracks	1532.0 mm
(Q) Width over tracks, 450 mm tracks	1981.0 mm

Machine Rating

Lift breakout force	3147 daN
Tilt breakout force	2989 daN
Ground pressure, 450 mm track	29.00 kPa
Rated operating capacity (ISO 14397-1)	1611 kg
Push force	2987 daN
Push force while lifting	4271 daN
Tipping load (ISO 14397-1)	4602 kg

Cycle Times

Raise lift arms	4.8 s
Lower lift arms	3.4 s
Bucket rollback	2.1 s
Bucket dump	2.3 s

Weights

Operating weight	4768 kg
Shipping weight	4310 kg
Ground pressure	30.00 kPa

Engine

Make / Model	Bobcat / D34
Compliance	97/68 EC Stage IV
Fuel	Diesel
Cooling	Liquid
Power at 2400 RPM	68.7 kW
Rated speed (EEC 80/1269, ISO 9249)	2400.0 RPM
Torque at 1600 RPM (SAE J1995 Gross)	355.3
Number of cylinders	4
Displacement	3409 cm ³
Bore	98.0
Stroke	113.0
Lubrication	Gear pump pressure with filter
Crankcase ventilation	Closed breathing
Air filter	Dry replaceable cartridge with safety element
Ignition	Diesel-compression
Starting aid	Intake air heater

Electrical

Alternator	Belt driven - 120 A - open
Battery	12 V - 950 A cold cranking at -18°C - 180 min reserve capacity
Starter	12 V - gear reduction type - 2.7 kW

Hydraulic System

Pump type	Engine driven, gear type
Pump capacity	87.10 L/min
Pump capacity (with high flow option)	138.50 L/min
System relief at quick couplers	23.8-24.5 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, cushioned
Lift cylinder bore	82.6 mm
Lift cylinder rod	50.8 mm
Lift cylinder stroke	662.7 mm
Tilt cylinder (2)	Double-acting, cushioned
Tilt cylinder bore	76.2 mm
Tilt cylinder rod	38.1 mm
Tilt cylinder stroke	355.0 mm

Drive System

Transmission	Infinitely variable tandem hydrostatic piston pumps, driving two fully reversing hydrostatic motors
Tracks	450 mm width. Tension-grease cylinder and triple-flange rollers
Main drive	Fully hydrostatic, rubber track drive

Traction

Tracks	450 mm wide, rubber, C-pattern
Max. travel speed	10.7 km/h
Max. travel speed (high range – optional)	17.2 km/h

Fluid Capacities

Cooling system with heater	14.40 L
Cooling system without heater	13.60 L
Engine oil with filter	12.60 L
Fuel tank	135.00 L
Hydraulic reservoir	9.50 L
Hydraulic / Hydrostatic system	36.00 L

Fluid Specifications

Engine coolant

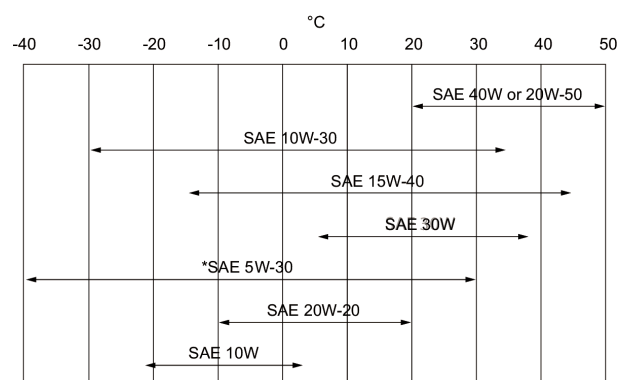
Propylene glycol/water mix (53% - 47%) with freeze protection to -37°C 5 L can - 6904844A, 25 L container - 6904844B, 209 L drum - 6904844C, 1000 L tank - 6904844D

Propylene glycol concentrate coolant 5 L can - 6987646A, 25 L container - 6987646B, 209 L drum - 6987646C, 1000 L tank - 6987646D

Engine oil

Oil must meet API Service Classification of CJ-4 or better, or ACEA E9-12 or better.

Recommended SAE viscosity number for anticipated temperature range.



Hydraulic fluid

* 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 lever throttle

Key-type starter switch and shutdown or optional keyless start. Air intake heater 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 Controls (SJC)

Two independent hydrostatic systems controlled by two hand-operated steering levers

Secondary brake Parking brake

One of the hydrostatic transmissions

Mechanical disc, hand operated rocker-switch on dash panel

Vehicle steering

Direction and speed controlled by two hand levers or joysticks (optional)

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 temperature
 - Fuel
- Indicators
 - Bobcat Interlock Control System
 - Engine preheat
 - Two speed
 - Turn signals
- Warning lights
 - Engine 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
 - Work lights and road lights
 - High flow auxiliary hydraulics
 - 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
 - Attachments
 - 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

- Cushion suspension seat
- Automatically activated intake air heater
- Auxiliary hydraulics: variable flow/maximum flow
- Bob-Tach™ frame
- Bobcat Interlock Control System (BICS)
- Deluxe operator cab* Includes interior cab foam, side, top and rear windows, Deluxe wire harness, dome light, electrical power port, cup holder, storage place and horn¹
- Hydraulic bucket positioning (including ON/OFF switch)

- Front door with windshield wiper
- Instrumentation
- Lift arm support
- Work lights, front and rear
- Parking brake
- Seat belt
- Seat bar
- Turbo-charger with approved spark arrestor
- Tracks — rubber — 450 mm
- CE certification
- Warranty: 24 months or 2000 hours, whichever occurs first

Options

- Factory Options
 - Deluxe instrument panel
 - Power Bob-Tach™
 - Cab enclosure with heating
 - High-flow auxiliary hydraulics
 - Air conditioning
 - Selectable Joystick Controls (SJC)
 - Roller Suspension™
 - Air ride seat with 3 point seat belt
 - Back-up alarm
 - Beacon
 - Strobe
- Dealer Installed Options
 - Air conditioning kit
 - Back up alarm kit
 - Bucket positioning kit
 - Fire extinguisher kit
 - FOPS kit **
 - Fresh air heater kit
 - Front door kit
 - Four-point lift kit
 - Forestry door kit
 - Deluxe instrument panel
 - Radio kit
 - Rotating beacon kit
 - Road kit
 - Keyless kit
 - Lexan rear window kit
 - Lexan side window kit
 - Lower duct kit
 - Power Bob-Tach™ kit
 - Plumbing kit for fresh air heater
 - Special applications front door kit
 - 200/300/400 lbs (74.4/111.9/181.4 kg) counterweight kit
 - 7- and 14-pin electrical attachment control kit
 - Individual kits like taillights, headlights, muffler and coupler guard

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

Attachments

- Angle Brooms
- Auger Accessories
- Augers
- Backhoe Accessories
- Backhoes
- Bale Forks
- Breaker Accessories
- Breakers
- Brushcat™ Rotary Cutters
- Brush Saws
- Combination Buckets
- Concrete Mixers
- Concrete Pumps
- Construction / Industrial Buckets
- Dozer Blades
- Drop Hammers
- Dumping Hoppers
- Fertilizer and Grain Buckets
- 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
- Planer Accessories
- Planers
- Root Grapples
- Rotary Grinders
- Sand Cleaners
- Scrapers
- Silt Fence Installers
- Skeleton Buckets
- Snow & Light Material Buckets
- Snow Blades
- Snow Pushers
- Snow V-Blades
- Sod Layers
- Soil Conditioners
- Spreaders
- Stump Grinders
- Sweepers
- Tree Transplanters
- Trench Compactors
- Trenchers
- Utility Forks
- Utility Frames
- Vibratory Rollers
- Wheel Saws
- Wood Chippers

Environmental

Operator LpA (98/37 & 474-1)	85 dB(A)
Noise level LWA (EU Directive 2000/14/EC)	104 dB(A)
Whole body vibration (ISO 2631-1)	0.91 ms ⁻²
Whole body vibration (ISO 2631-1) uncertainty	0.46 ms ⁻²
Hand-arm vibration (ISO 5349-1)	1.83 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. * Level I - Acceptance is intended for protection from falling bricks, small concrete blocks, and hand tools encountered in operations such as highway maintenance, landscaping, and other construction site services. ** Level II - Acceptance is intended for protection from falling trees or rocks for machines involved in site clearing, overhead demolition, or forestry.
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 as provided in the documentation kit.