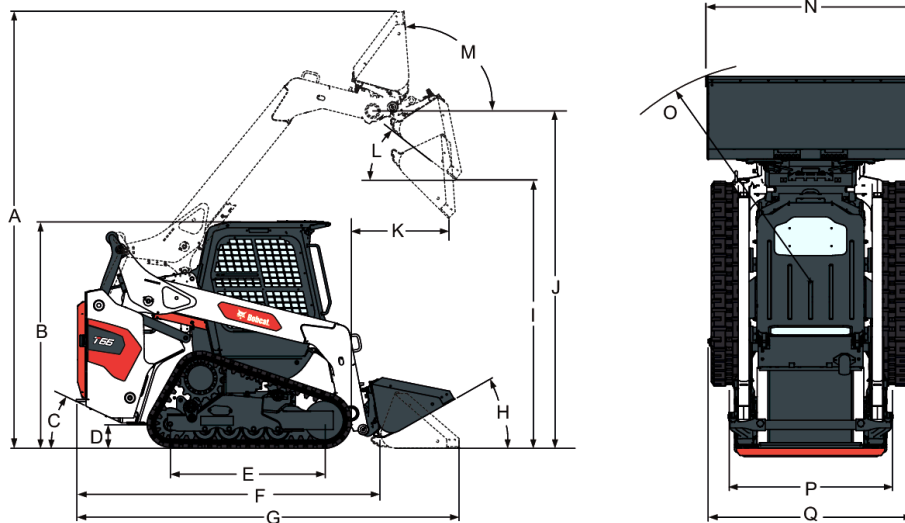


## Dimensions



(A) Operating height	3909.6 mm
(B) Height with operator cab	2044.7 mm
(C) Angle of departure	25.0°
(D) Ground clearance	213.7 mm
(E) Ground contact length	1378.0 mm
(F) Length without attachment	2717.8 mm
(G) Length with standard bucket	3427.0 mm
(H) Rollback at ground position	30.0°
(I) Dump height with standard bucket	2395.8 mm
(J) Height to bucket hinge pin	3048.0 mm
(K) Dump reach at maximum height	933.0 mm
(L) Dump angle at maximum height	37.0°
(M) Rollback fully raised at maximum height	94.0°
(N) Width with standard bucket	1879.6 mm
(O) Turning radius with standard bucket	2103.7 mm
(P) Track, 320 mm tracks	1381.8 mm
(Q) Width over tracks, 400 mm tracks:	1781.8 mm

## Machine Rating

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Lift breakout force	2269 daN
Tilt breakout force	2179 daN
Ground pressure	24.10 kPa
Rated operating capacity (ISO 14397-1)	1115 kg
Push force	3573 daN
Tipping load (ISO 14397-1)	3175 kg

## Cycle Times

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Raise lift arms	4.0 s
Lower lift arms	2.8 s
Bucket rollback	1.7 s
Bucket dump	2.5 s

## Weights

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Operating weight	4296 kg
Shipping weight	3712 kg
Ground pressure	39.00 kPa

## Engine

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Make / Model	Bobcat 2.4L, 97/68 EC Stage V
Fuel	Diesel
Cooling	Liquid
Power at 2600 RPM	54.5 kW
Torque at 1800 RPM (SAE J1995 Gross):	283.9 Nm
Number of cylinders	4
Displacement	2400 cm <sup>3</sup>
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

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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 TYPE 4.29 hp [3.2 kW]

## Hydraulic System

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Pump type	Engine driven, gear type
Pump capacity	66.50 L/min
Pump capacity (with high flow option)	101.80 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	PREMIUM GRADE, ANTIWEAR MULTIVISCOSITY ISO V646, PETROLEUM BASED
Fluid lines	SAE standard tubelines, hoses, and fittings

## Hydraulic Cylinders

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Lift cylinder (2)	Double-acting
Lift cylinder bore	69.9 mm
Lift cylinder rod	41.4 mm
Lift cylinder stroke	540.0 mm
Tilt cylinder (2)	Double-acting
Tilt cylinder bore	69.9 mm
Tilt cylinder rod	38.1 mm
Tilt cylinder stroke	330.7 mm

## Drive System

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Transmission	Infinitely variable tandem hydrostatic piston pumps, driving two fully reversing hydrostatic motors
Tracks	400 mm width. Tension-grease cylinder and triple-flange spring rollers
Main drive	Fully hydrostatic, rubber track drive

## Traction

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Tracks	400 mm wide, rubber
Max. travel speed (low range – standard)	10.4 km/h
Max. travel speed (high range – optional)	16.4 km/h

## Fluid Capacities

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Cooling system with heater	10.90 L
Cooling system without heater	10.60 L
Engine oil with filter	9.20 L
Fuel tank	107.10 L
Hydraulic reservoir	7.57 L
Hydraulic / Hydrostatic system	36.00 L

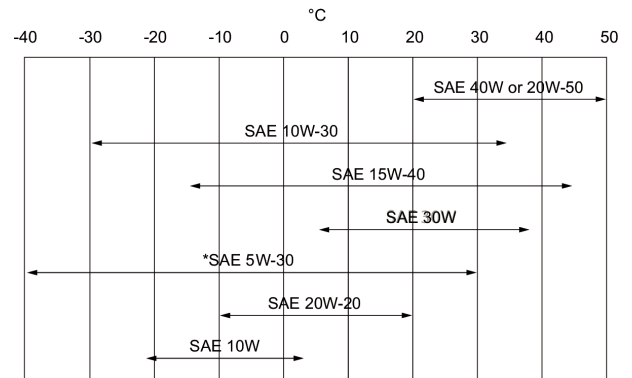
## Fluid Specifications

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

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Engine Starting	Hand throttle or optional foot accelerator pedal (SJC) Keyless start. Glow plugs automatically activated.
Front auxiliary (standard)	Proportional switch on Selectable Joystick Controls (SJC)
Loader hydraulics tilt and lift	Selectable Joystick Controls (SJC)
Service brake	Two independent hydrostatic systems controlled by two hand-operated steering levers
Parking brake	Mechanical disc activated by manually operated switch on left instrument panel
Vehicle steering	Direction and speed controlled by Selectable Joystick Controls (SJC)
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 or joystick (SJC)

## 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 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
  - 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 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

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- 3 Point Seat belt
- 450mm Wide Rubber Tracks
- 5" Deluxe Instrumentation (Radio Ready)
- Adjustable suspension seat
- Auxiliary hydraulics: variable flow/maximum flow
- Backup Alarm
- Bobcat Interlock Control System (BICS)
- Bob-Tach™ Attachment System
- Deluxe pressurized cab with HVAC
- Dual Direction Bucket Positioning (including ON/OFF switch)
- Engine/hydraulics system shutdown
- High flow hydraulics
- Horn
- Key start
- LED Working Lights front and rear
- Lift arm support
- Machine IQ (telematic)
- Manual
- Parking brake
- Seat bar
- Selectable Joystick Controls (SJC)
- Spark arrestor muffler
- Two Speed Travel
- Warranty: 24 months or 2000 hours (whichever occurs first)

## Options

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- Factory Options
  - Clear View Cab
  - Auto HVAC
  - 7" Touch Display (Integrated Bluetooth, Hands Free Calling, Radio, Reversing Camera)
  - Torsion Suspension – 5 Link System
  - Radio
  - Reversing Camera
  - Auto Ride Control
  - Reversible Fan
  - Power Bob-Tach™
  - 400mm Wide – Multi Bar Lug Tracks
  - Heated Cloth Air ride seat with 3 point seat belt
  - Beacon
  - Strobe

- Dealer Installed Options
  - 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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- Angle Brooms
- Auger Accessories
- Augers
- Backhoes
- Bale Forks
- Box Blades
- Breaker Accessories
- Breakers
- Brushcat™ Rotary Cutters
- Brush Saws
- Combination Buckets
- Concrete Mixers
- Concrete Pumps
- Construction / Industrial Buckets
- Diggers
- Dozer Blades
- Drop Hammers
- Dumping Hoppers
- Pallet Fork Accessories
- Pallet Forks, Hydraulic
- Planer Accessories
- Planers
- Root Grapples
- Rotary Grinders
- Sand Cleaners
- Scarifiers
- Scrapers
- Skeleton Buckets
- Snow & Light Material Buckets
- Snow Blades
- Snow Pushers
- Snow V-Blades
- Sod Layers
- Soil Conditioners
- Spreaders
- Stump Grinders



- Fertilizer and Grain Buckets
- Flail Cutters
- Forestry Cutters
- Graders
- Grapples, Industrial
- Landplanes
- Landscape Rakes
- Laser Equipment
- Low Profile Buckets
- Miscellaneous
- Mixing Buckets
- Mowers
- Sweepers
- Tillers
- Tilt-Tatch
- Tree Transplanters
- Trench Compactors
- Trenchers
- Utility Forks
- Utility Frames
- Vibratory Rollers
- Wheel Saws
- Whisker Brooms
- Wood Chippers

## Environmental

Operator LpA (98/37 & 474-1)	78 dB(A)
Noise level LWA (EU Directive 2000/14/EC)	103 dB(A)
Whole body vibration (ISO 2631-1)	0.80 ms <sup>-2</sup>
Whole body vibration (ISO 2631-1) uncertainty	0.40 ms <sup>-2</sup>
Hand-arm vibration (ISO 5349-1)	2.78 ms <sup>-2</sup>

## 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.