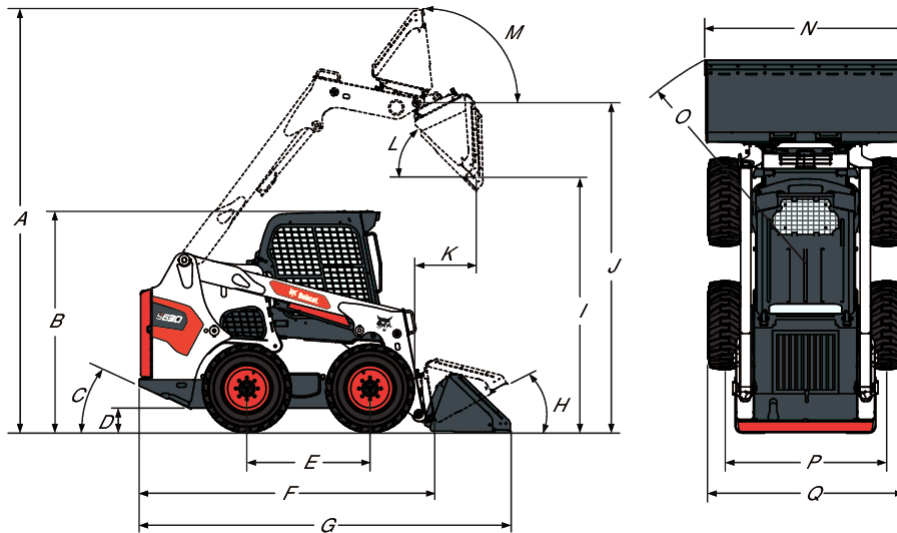


Dimensions



(A) Operating height	3950.0 mm
(B) Height with operator cab	2065.0 mm
(C) Angle of departure	25.0°
(D) Ground clearance	207.0 mm
(E) Wheelbase	1150.0 mm
(F) Length without attachment	2754.0 mm
(G) Length with standard bucket	3474.0 mm
(H) Rollback at ground position	30.0°
(I) Dump height with standard bucket	2367.0 mm
(J) Height to bucket hinge pin	3073.0 mm
(K) Dump reach at maximum height	544.0 mm
(L) Dump angle at maximum height	42.4°
(M) Rollback fully raised at maximum height	97.0°
(N) Width over standard bucket	1880.0 mm
(N) Bucket width, 68-inch	1727.0 mm
(N) Bucket width, 80-inch	2032.0 mm
(O) Turning radius with standard bucket	2119.0 mm
(P) Track, standard tyres	1507.0 mm
(Q) Width over standard tyres	1832.0 mm

Performance

Tipping load (ISO 14397-1)	2079 kg
Rated operating capacity (ISO 14397-1)	1040 kg
Lift breakout force	1779 daN
Tilt breakout force	1935 daN
Axle torque	9278.0 Nm

Cycle Times

Raise lift arms	3.4 s
Lower lift arms	3.0 s
Bucket rollback	1.7 s
Bucket dump	2.3 s

Weights

Operating weight	3496 kg
Shipping weight	3244 kg

Engine

Make / Model	Kubota / V3307-DI-TE3
Fuel	Diesel
Cooling	Liquid
Power at 2400 RPM (ISO 14396 GROSS)	54.6 kW
Rated speed (EEC 80/1269, ISO 9249)	2400.0 RPM
Torque at 1600 RPM (SAE J1995 Gross):	264.0 Nm
Number of cylinders	4
Displacement	3331 cm ³
Bore	94.0 mm
Stroke	120.0 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	Belt driven — 90 A — open
Battery	12 V — 950 cold cranking A at -18°C — 180 min reserve capacity
Starter	12 V — gear reduction type — 3.0 kW

Hydraulic System

Pump type	Engine driven, gear type
Pump capacity	87.10 L/min
Pump capacity (with high flow option)	115.50 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
Lift cylinder bore	63.5 mm
Lift cylinder rod	44.5 mm
Lift cylinder stroke	860.3 mm
Tilt cylinder (2)	Double-acting with cushioning feature on dump and rollback
Tilt cylinder bore	76.2 mm
Tilt cylinder rod	38.1 mm
Tilt cylinder stroke	354.8 mm

Drive System

Transmission	Infinitely variable tandem hydrostatic piston pumps, driving two fully reversing hydrostatic motors
Final drive chains	Pre-stressed #120 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	70.1 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

Max. travel speed (low range)	11.4 km/h
Max. travel speed (high range - option)	19.8 km/h

Fluid Capacities

Chaincase reservoir	39.20 L
Cooling system	11.40 L
Engine oil with filter	11.40 L
Fuel tank	90.50 L
Hydraulic reservoir	10.20 L
Hydraulic / Hydrostatic system	41.60 L

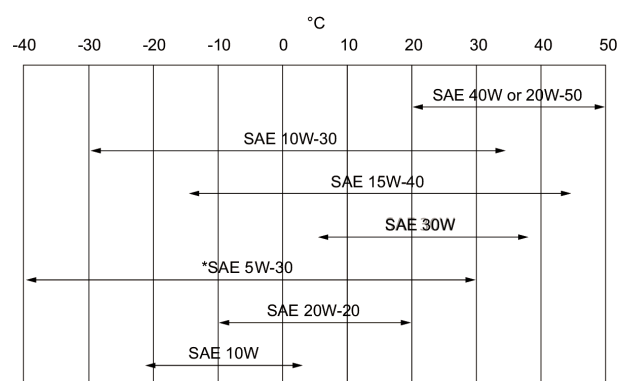
Fluid Specifications

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 CL4 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. Glow plugs automatically activated by standard or Deluxe instrument panel.

Front auxiliary (standard) Rear auxiliary (optional) Loader hydraulics tilt and lift Service brake

Electrical switch on right-hand steering lever

Electrical switch on left-hand steering lever

Separate foot pedals, or Selectable Joystick Control (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

Parking brake, two-speed option

Spring-applied, pressure-released multi-disk brake activated by rocker switch

Vehicle steering

Direction and speed controlled by two hand levers

Auxiliary pressure release

Pressure is relieved through the coupler block. Push in and hold for 5 s.

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
- Indicators
 - Bobcat Interlock Control System
 - Glow plugs
 - 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
 - Work lights and road lights
 - High flow auxiliary hydraulics
 - 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
 - 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 cleaner
- Alternator
- Battery
- Cooling radiators
- 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

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

- Standard Seat
- Automatically activated glow plugs
- Bob-Tach™ frame
- Bobcat Interlock Control System (BICS)
- Standard Cab
- Electrically activated proportional front auxiliary hydraulics
- Engine/hydraulics system shutdown
- Manual

- Lift arm support
- Work lights, front and rear
- Parking brake
- Seat belt
- Seat bar
- 12 x 16.5, 12-ply, Heavy duty tyres
- Turbo-charger with approved spark arrestor
- Warranty: 24 months or 2000 hours (whichever occurs first)

Options

- Factory Options
 - 33 x 15.5-16.5, 12-ply, Superflotation tyres, offset rims
 - 12 x 16.5, 12-ply, Heavy duty tyres, offset rims
 - 12 x 16.5, 12-ply, Severe duty tyres
 - Russia Decals EAC
 - Tailgate Lock
 - Exhaust Shield [CIS]
 - Attachment control device
 - Automatic Ride Control
 - Bucket positioning kit
 - Sound option
 - 2 Speed
 - High-Flow hydraulics
 - Deluxe instrument panel
 - Deluxe Cab [CIS]
 - Deluxe Cab with Heating
 - Deluxe Cab with HVAC
 - Radio
 - Air conditioning
 - Power Bob-Tach™
 - Selectable Joystick Controls (SJC)
 - Automatic Reversing Fan
 - Back-up alarm
 - Beacon
 - Fire extinguisher
 - Custom paint color (min order of 5 units)

- Dealer Installed Options
 - Engine block heater kit
 - Pre-cleaner HP aspiration kit
 - Deluxe instrument panel
 - Catalytic purifier kit
 - Radio kit
 - Back up alarm kit
 - Bucket positioning kit
 - Fire extinguisher kit
 - Rotating beacon kit
 - Road kit
 - Single-point lift kit
 - Fresh air heater kit
 - Front door kit
 - Plumbing kit for fresh air heater
 - Keyless kit
 - Replacement Bob-Tach™
 - Air conditioning kit
 - 200/300 lbs (74.4/111.9 kg) counterweight kit
 - Lexan rear window kit
 - Special applications front door kit
 - Four-point lift kit
 - 7 and 14-pin electrical attachment control kit
 - FOPS kit **
 - Rear auxiliary hydraulic kit