

Hydraulic Cylinders

Lift cylinder (2)	Double-acting
Lift cylinder bore	69.90MM
Lift cylinder rod	41.40MM
Lift cylinder stroke	540.00MM
Tilt cylinder (2)	Double-acting
Tilt cylinder bore	69.90MM
Tilt cylinder rod	38.10MM
Tilt cylinder stroke	330.70MM

Performance

Tipping load (ISO 14397-1)	1823.00KG
Rated operating capacity (ISO 14397-1)	911.00KG
Lift breakout force	1662.00
Tilt Breakout force	2122.00
Axle torque	5423.00

Cycle Times

Raise lift arms	3.90
Lower lift arms	2.70
Bucket rollback	1.80
Bucket dump	2.50

Hydraulic System

Pump type	Engine driven, gear type
Pump capacity	64.70
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
System relief at quick couplers	23.8-24.5 MPa
Pump capacity (with high flow option)	101.10

Drive System

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	50.3 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

Gradeability	20° Continuous and 30° Intermittent
Max. travel speed (low range)	11.80
Max. travel speed (high range - option)	17.30

Brakes

Parking brake	Mechanical disc activated by manually operated switch on left instrument panel
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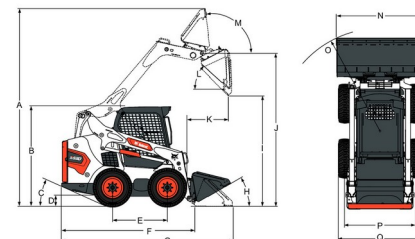
Fluid Capacities

Cooling system	10.60L
Hydraulic reservoir	7.57L
Chaincase reservoir	32.20L
Engine oil with filter	8.60L
Fuel tank	93.70L
Hydraulic / Hydrostatic system	36.00L
Cooling system with heater	10.90L

Fluid Specifications

Engine coolant	Propylene glycol/water mix (53% - 47%) with freeze protection to -37°C
5 L can - 6904844A, 2	

Dimensions



(A) 3901.00 MM	(K) 828.00 MM
(B) 1972.00 MM	(L) 42.00
(C) 24.20	(M) 97.00
(D) 185.00 MM	(N) 1727.00 MM
(E) 1082.00 MM	(O) 2024.00 MM
(F) 2657.00 MM	(P) 1374.00 MM
(G) 3378.00 MM	(Q) 1643.00 MM
(H) 30.00	(Q*) 1520.00 MM
(I) 2177.00 MM	(N) 1575.00 MM
(J) 3023.00 MM	(N) 1880.00 MM

Engine oil [1] SA	5 L container - 6904844B, 209 L drum - 6904844C, 1000 L tank - 6904844D Do not use API Category FA-4 engine oil.
[3] Bobcat Synthetic Oil – SAE 5W-40	E 10W-30
Bobcat engine oils are recommended for use in machine. If Bobcat engine oil is not quality engine oil that or better, or	Must use API Category CI-4 or better, or ACEA E7 or this available, use a good meets API Service Category of CI-4 ACEA E7 or better
[2] SAE 15W-40 change. Refer	to temperature range anticipated before next oil better.
Bobcat engine oils are recommended for machine. If Bobcat engine oil is not quality engine oil that or better, or	use in this available, use a good meets API Service Category of CI-4 ACEA E7 or better
* Can be used only when	available with appropriate diesel rating. For synthetic oil use the recommendation from the oil manufacturer.
Hydraulic fluid	Motor oil is not an acceptable alternative fluid
Bobcat Superior SH, 5 L can - 6904842A, 25 L	·
Bobcat Bio Hydraulic, 5 L can	container - 6904842B, 209 L drum - 6904842C, 1000 L tank - 6904842D - 6904843A, 25 L container - 6904843B, 209 L drum - 6904843C, 1000 L tank - 6904843D

Controls

Engine	Hand throttle or optional foot accelerator pedal (SJC)
Starting	Keyless start. Glow plugs automatically activated.
Front auxiliary (standard)	Proporcional switch on Hand Levers or optional Selectable Joystick Controls (SJC)
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
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.
Rear auxiliary (optional)	Electrical switch on left-hand steering lever or joystick (SJC)
Parking brake, two-speed option	Spring applied, pressure released multi-disk brake activated by rocker switch

Environmental

Noise level LWA(EU Directive 2000/14/EC)	98.00
Operator LpA(98/37 & 474-1)	86.00
Whole body vibration uncertainty	0.43
Whole body vibration (ISO 2631–1) High speed	0.86
Hand-arm vibration (ISO 5349–1) High speed	1.31

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)

Engine

Make / Model	Bobcat 2.4L, 97/68 EC
Fuel	Diesel
Cooling	Liquid
Number of Cylinders	4
Displacement	2392.00
Bore	90.00MM
Stroke	94.00MM
Air filter	Dry replaceable cartridge with safety element
Ignition	Diesel-compression
Starting aid	Glow plugs

Crankcase ventilation	Closed breathing
Lubrication	Gear pump pressure
Rated speed (EEC 80/1269, ISO 9249)	2600.00RPM
Power at 2600 RPM (ISO 14396):	41.00KW
Torque at 1800 RPM (ISO 14396)	204.00
Compliancy	Stage V

Weights

Operating Weight	2952.00KG
Shipping Weight	2581.00KG

Options

Factory Options	<ul style="list-style-type: none">• Deluxe pressurized cab with heating• Selectable Joystick Controls (SJC - R/C Ready)• 10 x 16.5, 10–ply, Heavy duty tyres, offset rims• 10 x 16.5, 10–ply, Severe duty tyres• High-flow auxiliary hydraulics• 2 Speed• Back-up alarm• Beacon• Road Option• Automatic Reversing Fan
<ul style="list-style-type: none">• Deluxe pressurized cab with HVAC• Cloth Suspension Seat	Dealer Installed Options
<ul style="list-style-type: none">• 10 x 16.5, 10–ply, Versatile duty tyres• 31 x 10 - 20, Industrial duty tyres• 7-pin attachment control• Power Bob-Tach™• Radio• Work Lights LED• Automatic Ride Control• Custom paint color (min order of 5 units)• Cab enclosure kit• 200 lbs (74.4 kg) counterweight kit• Fuel cap locking kit• Replacement Bob-Tach™• Front door kit• Plumbing kit for fresh air heater• FOPS kit **• Power Bob-Tach™ kit• 7-pin attachment control• Rear auxiliary hydraulic kit• Road kit• Keyless kit• 14-pin attachment control kit• 80 mm Suspension seat kit• Headlight guard kit• Tail light guard kit	<ul style="list-style-type: none">• Special applications front door kit• Front axle counterweight kit• Deluxe instrument panel• Fresh air heater kit• Door sensor kit• Back up alarm kit• Single-point lift kit• Operator cab, CE, enclosure kit• Four-point lift kit• Engine block heater kit• Bucket positioning kit• Rear window wiper kit• 4-Way flasher kit• Cup holder kit• Muffler guard kit

Instrumentation

Standard Instrument Panel	<ul style="list-style-type: none">• Gauges◦ Fuel◦ Bobcat Interlock Control System◦ Two speed• Warning lights◦ Fuel level◦ Seat belt◦ Engine malfunction◦ Lift and tilt valve, hydraulics lock-out◦ Hydraulic oil temperature◦ Hydraulic oil pressure◦ Work lights and road lights◦ Auxiliary hydraulics
<ul style="list-style-type: none">◦ Engine coolant temperature• Indicators◦ Engine preheat◦ Turn signals◦ Engine coolant temperature◦ General warning◦ Seatbar down◦ Hydraulic system malfunction◦ Parking brake◦ Engine oil pressure• Buttons◦ High flow auxiliary hydraulics◦ Information (Hour meter, Engine RPM, Battery voltage, Service codes, Service reminder, Maintenance clock)◦ Press to operate loader◦ Parking brake◦ Beep when error, warning or shutdown condition exists	<ul style="list-style-type: none">◦ Traction lock override• Rocker switch• Alarm
Same gauges, warning lights and other features as Standard Instrument Panel, plus:	Deluxe Instrument Panel
<ul style="list-style-type: none">◦ Engine oil pressure / temperature◦ Hydraulic oil temperature• Additional features◦ Digital clock◦ Attachments control information◦ High Flow lockouts◦ Help screens◦ DPF Management◦ Engine/hydraulic systems shutdown function• Icons◦ Vitals (Engine speed, Oil Pressure, Temperature, System voltage, Hydraulic charge pressure, Oil temperature)◦ Main screen	<ul style="list-style-type: none">• Gauges◦ Hydrostatic charge pressure◦ Battery◦ Keyless start with password capability◦ User name and hourmeter◦ Current job hours◦ Multi-language display◦ Auto Idle◦ Diagnostic capability◦ Password lockout◦ Active warnings
	<ul style="list-style-type: none">◦ Service◦ Attachments

- Security
 - HEST Lamp
 - Forced Parked Regeneration
 - Buttons
 - Enter
- DPF Regeneration
 - Inhibit DPF Regeneration
 - Display
 - Left scroll
 - Right scroll

Serviceability

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

- Alternator
- Cooling radiators
- Engine oil drain and dipstick
- Hydraulic oil fill

Axle hubs provide protection for the axle seals
Easy access to all grease points

Tailgate has an optional lock for vandal-proofing

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

- Air cleaner
 - Battery
 - Engine oil and fuel filters
 - HVAC system
 - Starter
- Bob-Tach™ pivots have replaceable wear bushings
Rod end of the tilt cylinder has a replaceable bushing
Tailgate is equipped with door-stop to hold door open while servicing

Attachments

- Auger Accessories
 - Backhoes
 - Box Blades
 - Breakers
 - Brushcat™ Rotary Cutters
 - Concrete Mixers
 - Dozer Blades
 - Dumping Hoppers
 - Graders
 - Landplanes
 - Laser Equipment
 - Mixing Buckets
 - Pallet Fork Accessories
 - Planer Accessories
 - Rear Stabilizers
 - Scarifiers
 - Seeders
 - Snow Blades
 - Snow V-Blades
 - Soil Conditioners
 - Steel Tracks
 - Sweepers
 - Tilt-Tatch
 - Trench Compactors
 - Utility Forks
 - Vibratory Rollers
- Augers
 - Bale Forks
 - Breaker Accessories
 - Brush Saws
 - Combination Buckets
 - Diggers
 - Drop Hammers
 - Flail Cutters
 - Grapples, Industrial
 - Landscape Rakes
 - Miscellaneous
 - Mowers
 - Pallet Forks, Hydraulic
 - Planers
 - Root Grapples
 - Scrapers
 - Skeleton Buckets
 - Snow Pushers
 - Sod Layers
 - Spreaders
 - Stump Grinders
 - Tillers
 - Tree Transplanters
 - Trenchers
 - Utility Frames
 - Wood Chippers

Standard Features

- Bobcat Interlock Control System (BICS)
 - Deluxe operator cab* Includes interior cab foam , side, top and rear windows, Deluxe wire harness , dome light and electrical power port
 - Noise reduction kit
 - Deluxe instrument panel
 - Suspension seat
 - Seat bar
 - 10 x 16.5, 10–ply, Heavy duty tyres
 - Bob-Tach™ frame
 - Lift arm support
 - Automatically activated glow plugs
 - Auxiliary hydraulics: variable flow/maximum flow
 - Manual
 - Warranty: 24 months or 2000 hours (whichever occurs first)
- Parking brake
 - 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
 - Operating lights, front and rear
 - Keyless start with password capability
 - Seat belt
 - Hydraulic bucket positioning (including ON/OFF switch)
 - Spark Arrester
 - Cushioned lift and tilt cylinders
 - Engine/hydraulics system shutdown
 - Electrically activated proportional front auxiliary hydraulics
 - Machine IQ (telematic)
 - CE certification