Specification Number	Code	Description	Price - All Zones
170	S450	Credit - Downgrade into the Bobcat® S450 Skid-Steer Loader	6328.6
170	S70	Credit - Downgrade into the Bobcat® S70 Skid-Steer Loader	15454.7
170	S64	Upgrade to the Bobcat® S64 Skid-Steer Loader	3306.16
170	S66	Upgrade to the Bobcat® S66 Skid-Steer Loader	4073.88
170	S76	Upgrade to the Bobcat® S76 Skid-Steer Loader	5746.66
170	Options	32% off MSRP for all Factory Installed Options	0.32
170	Attachments	24% off MSRP for all Attachments	0.24

Product Quotation

Quotation Number: BDH-00211
Date: 2020-08-21 13:36:55

Description	Part No	Qty	Price Ea.	Total
S70 Bobcat Skid-Steer Loader	M4003	1	$15,721.60	$15,721.60
23.5 HP Tier IV Diesel Engine				
Auxiliary Hydraulics				
Backup Alarm				
Bob-Tach				
Bobcat Interlock Control System (BICS)				
Controls: Bobcat Standard				
Horn				
Instrumentation: Hourmeter, Engine Temp Gauge, Fuel Gauge (On Tank), Voltmeter and Warning Lights				
Lights, Front and Rear				
Lift Arm Support				
Lift Path: Radius				
Operator Cab				
Includes: Suspension Cushion Seat, Parking Brake, Rear Window, Seat Bar, Seat Belt				
Roll Over Protective Structure (ROPS) meets SAE-J1040 & ISO 3471				
Falling Objects Protective Structure (FOPS) meets SAE-J1043 & ISO 3449, Level I				
Spark Arrestor Muffler				
Tires, 23 x 5.70-12, 4 PR, Bobcat Standard Duty				
Warranty: 12 Months, Unlimited Hours				
Suspension Seat	M4003-R05-C03	1	$0.00	$0.00
23x 8.50-12, 6 PR, Heavy Duty Tires	M4003-R09-C02	1	$131.92	$131.92
44" General Purpose Bucket	7114581	1	$458.28	$458.28

Total of Items Quoted	**$16,311.80**
Dealer Assembly Charges	**$0.00**
Quote Total - US dollars	**$16,311.80**

Notes:

All prices subject to change without prior notice or obligation. This price quote supersedes all preceding price quotes.

Customer Acceptance:

Purchase Order: _____

Authorized Signature:

Print:_____ **Sign:**_____ **Date:** _____

Product Quotation

Quotation Number: BDH-00210
Date: 2020-08-21 13:30:01

Description	Part No	Qty	Price Ea.	Total
S450 T4 Bobcat Skid-Steer Loader	M0201	1	$24,058.40	$24,058.40
49 HP Tier 4 Turbo Diesel Engine				
Auxiliary Hydraulics: Variable Flow				
Backup Alarm				
Bob-Tach				
Bobcat Interlock Control System (BICS)				
Controls: Bobcat Standard				
Engine/Hydraulic Systems Shutdown				
Glow Plugs (Automatically Activated)				
Horn				
Instrumentation: Engine Temperature & Fuel Gauges, Hourmeter, RPM and Warning Lights				
Lift Arm Support				
Lift Path: Radius				
Lights, Front & Rear				
Operator Cab				
Includes: Adjustable Cushion Seat, Top & Rear Windows, Parking Brake, Seat Bar & Seat Belt				
Roll Over Protective Structure (ROPS) meets SAE-J1040 & ISO 3471				
Falling Object Protective Structure (FOPS) meets SAE-J1043 & ISO 3449, Level I; (Level II is available through Bobcat Parts)				
Spark Arrestor Exhaust System				
Tires: 10-16.5, 10 PR, Bobcat Heavy Duty				
Warranty: 2 years, or 2000 hours whichever occurs first				
O31 Option Package	M0201-P01-O31	1	$650.76	$650.76
Suspension Seat	Cab Accessory Harness			
62" Standard Duty Bucket	7272769	1	$556.32	$556.32
--- Bolt-On Cutting Edge, 62"	6732406	1	$109.92	$109.92

Total of Items Quoted	**$25,375.40**
Dealer Assembly Charges	**$62.50**
Quote Total - US dollars	**$25,437.90**

Notes:

All prices subject to change without prior notice or obligation. This price quote supersedes all preceding price quotes.

Customer Acceptance:

Purchase Order: _____

Authorized Signature:

Print:_____ **Sign:**_____ **Date:** _____

Product Quotation

Quotation Number: BDH-00212
Date: 2020-08-21 13:57:57

Description	Part No	Qty	Price Ea.	Total
S64 T4 Bobcat Skid Steer Loader	M0359	1	$32,379.56	$32,379.56
68.0 HP Tier 4 V2 Bobcat Engine				
Auxiliary Hydraulics: Variable Flow				
Backup Alarm				
Bob-Tach				
Bobcat Interlock Control System (BICS)				
Controls: Bobcat Standard				
Cylinder Cushioning - Lift, Tilt				
Engine/Hydraulic Performance De-rate Protection				
Glow Plugs (Automatically Activated)				
Horn				
Instrumentation: Standard 5" Display (Rear Camera Ready) with Engine Temperature and Fuel Gauges, Hour meter, RPM and Warning Indicators. Includes maintenance interval notification, fault display, job codes, quick start, auto idle, and security lockouts.				
Lift Arm Support				
Lift Path: Vertical				
Lights, Front and Rear LED				
Operator Cab				
Includes: Adjustable Vinyl Suspension Seat, Top and Rear Windows, Parking Brake, Seat Bar and Seat Belt				
Roll Over Protective Structure (ROPS) meets SAE-J1040 and ISO 3471				
Falling Object Protective Structure (FOPS) meets SAE-J1043 and ISO 3449, Level I; (Level II is available through Bobcat Parts)				
Parking Brake: Wedge Brake System				
Tires: 10x16.5, 8 PR, Bobcat Standard Duty				
Warranty: 2 years, or 2000 hours whichever occurs first				
Machine IQ Telematics				
P17 Performance Package	M0359-P06-P17	1	$1,447.04	$1,447.04
"Power Bob-Tach				
7-Pin Attachment Control				
Dual Direction Bucket Positioning"				
C40 Comfort Package	M0359-P07-C40	1	$493.68	$493.68
Open Cab				
Deluxe Headliner				
Radio Ready				
Adjustable Suspension Seat				
68" Standard Duty Bucket	7272771	1	$570.00	$570.00
--- Bolt-On Cutting Edge, 68"	7104508	1	$119.88	$119.88

Total of Items Quoted	**$35,010.16**
Dealer Assembly Charges	**$62.50**
Quote Total - US dollars	**$35,072.66**

Notes:

All prices subject to change without prior notice or obligation. This price quote supersedes all preceding price quotes.

Customer Acceptance:

Purchase Order: _____

Authorized Signature:

Print:_____ **Sign:**_____ **Date:** _____

Product Quotation

Quotation Number: BDH-00213
Date: 2020-08-21 14:03:55

Description	Part No	Qty	Price Ea.	Total
S66 T4 Bobcat Skid Steer Loader	M0347	1	$34,594.32	$34,594.32
74.0 HP Tier 4 V2 Bobcat Engine				
Auxiliary Hydraulics: Variable Flow				
Backup Alarm				
Bob-Tach				
Bobcat Interlock Control System (BICS)				
Controls: Bobcat Standard				
Cylinder Cushioning - Lift, Tilt				
Engine/Hydraulic Performance De-rate Protection				
Glow Plugs (Automatically Activated)				
Horn				
Instrumentation: Standard 5" Display (Rear Camera Ready) with Engine Temperature and Fuel Gauges, Hour meter, RPM and Warning Indicators. Includes maintenance interval notification, fault display, job codes, quick start, auto idle, and security lockouts.				
Lift Arm Support				
Lift Path: Vertical				
Lights, Front & Rear LED				
Operator Cab				
Includes: Adjustable Vinyl Suspension Seat, Top and Rear Windows, Parking Brake, Seat Bar and Seat Belt				
Roll Over Protective Structure (ROPS) meets SAE-J1040 and ISO 3471				
Falling Object Protective Structure (FOPS) meets SAE-J1043 and ISO 3449, Level I; (Level II is available through Bobcat Parts)				
Parking Brake: Wedge Brake System				
Tires: 31x12x16.5, 10 PR, Super Float Tires				
Two Speed Travel				
Warranty: 2 years, or 2000 hours whichever occurs first				
Machine IQ Telematics				
P20 Performance Package	M0347-P06-P20	1	$0.00	$0.00
2-Speed				
C40 Comfort Package	M0347-P07-C40	1	$493.68	$493.68
Open Cab				
Deluxe Headliner				
Radio Ready				
Adjustable Suspension Seat				
68" Standard Duty Bucket	7272771	1	$570.00	$570.00
--- Bolt-On Cutting Edge, 68"	7104508	1	$119.88	$119.88

Total of Items Quoted	**$35,777.88**
Dealer Assembly Charges	**$62.50**
Quote Total - US dollars	**$35,840.38**

Notes:

All prices subject to change without prior notice or obligation. This price quote supersedes all preceding price quotes.

Customer Acceptance:

Purchase Order: _____

Authorized Signature:

Print:_____ **Sign:**_____ **Date:** _____

Product Quotation

Quotation Number: BDH-00214
Date: 2020-08-21 14:19:13

Description	Part No	Qty	Price Ea.	Total
S76 T4 Bobcat Skid Steer Loader	M0369	1	$34,779.96	$34,779.96

74.0 HP Tier 4 V2 Bobcat Engine
Auxiliary Hydraulics: Variable Flow
Backup Alarm
Bob-Tach
Bobcat Interlock Control System (BICS)
Controls: Bobcat Standard
Cylinder Cushioning - Lift, Tilt
Engine/Hydraulic Performance De-rate Protection
Glow Plugs (Automatically Activated)
Horn
Instrumentation: Standard 5" Display (Rear Camera Ready) with Engine Temperature and Fuel Gauges, Hour meter, RPM and Warning Indicators. Includes maintenance interval notification, fault display, job codes, quick start, auto idle, and security lockouts.
Lift Arm Support
Lift Path: Vertical
Lights, Front and Rear LED
Operator Cab
Includes: Vinyl Adjustable Vinyl Suspension Seat, Top and Rear Windows, Parking Brake, Seat Bar and Seat Belt
Roll Over Protective Structure (ROPS) meets SAE-J1040 and ISO 3471
Falling Object Protective Structure (FOPS) meets SAE-J1043 and ISO 3449, Level I; (Level II is available through Bobcat Parts)
Vinyl suspension seat with 2-point seat belt
Parking Brake: Wedge Brake System
Tires: 12-16.5, 12PR, Bobcat Heavy Duty
Warranty: 2 years, or 2000 hours whichever occurs first
Machine IQ Telematics

P17 Performance Package	M0369-P06-P17	1	$1,447.04	$1,447.04
C40 Comfort Package	M0369-P07-C40	1	$493.68	$493.68
74" Standard Duty Bucket	7272768	1	$606.48	$606.48
--- Bolt-On Cutting Edge, 74"	7104510	1	$123.50	$123.50

Total of Items Quoted	**$37,450.66**
Dealer Assembly Charges	**$62.50**
Quote Total - US dollars	**$37,513.16**

Notes:

All prices subject to change without prior notice or obligation. This price quote supersedes all preceding price quotes.

Customer Acceptance:

Purchase Order: _____

Authorized Signature:

Print:_____ **Sign:**_____ **Date:** _____

SKID-STEER LOADER

Radius Lift Arm Path

760 lbs.
RATED OPERATING CAPACITY

EFFECTIVE JUNE 17, 2020

For the most up-to-date Bid Specs go to DealerNET >>Skid-Steer Loaders>>S70>Bid Specs

These bid specifications are to be used as guidelines when assisting purchasing agents and governmental specification writers in writing specifications for loaders. It is not the intent of these specifications to cover all details of design or construction. The unit shall be fully equipped to perform the work intended and shall be a new, current production model.

For assistance in preparing detailed specifications, contact the Product Management Group in West Fargo, ND office.

***SPECIFICATION(S) ARE BASED ON ENGINEERING CALCULATIONS AND ARE NOT ACTUAL MEASUREMENTS. SPECIFICATION(S) ARE PROVIDED FOR COMPARISON PURPOSES ONLY AND ARE SUBJECT TO CHANGE WITHOUT NOTICE. SPECIFICATION(S) FOR YOUR INDIVIDUAL BOBCAT EQUIPMENT WILL VARY BASED ON NORMAL VARIATIONS IN DESIGN, MANUFACTURING, OPERATING CONDITIONS, AND OTHER FACTORS.**

SKID-STEER LOADER

Radius Lift Arm Path

760 lbs.
RATED OPERATING CAPACITY

DIMENSIONAL SPECIFICATIONS

Angle of Departure	25°
Dump Angle @ Maximum Height	34°
Dump Height with Standard Bucket	76.1" (1934 mm)
Reach @ Maximum Height	15.8" (400 mm)
Ground Clearance	5.5" (141 mm)
Height to Hinge Pin	94.5" (2399 mm)
Cab Height	71.4" (1814 mm)
Length without Attachment	75.8" (1925 mm)
Length with Standard Bucket	97.3" (2472 mm)
Overall Operating Height	120.1" (3051 mm)
Carry Position	8.5" (215 mm)
Rollback Angle @ Carry Position	25°
Turning Radius with Standard Bucket	58.7" (1491 mm)
Wheelbase	28.4" (722 mm)
Overall Width with 23 x 5.7-12, 4 PR, Standard Duty Tires	35.5" (901 mm)
Bucket Width	36" (914 mm)
Overall Width with 23 x 8.5-12, 6 PR, Heavy Duty Tires	43.3" (1100 mm)
Bucket Width	44" (1118 mm)

PERFORMANCE

Rated Operating Capacity (per ISO 14397-1)	798 lbs. (362 kg)
Tipping Load (per ISO 14397-1)	1596 lbs. (724 kg)
Operating Weight (SAE J732)	2892 lbs. (1312 kg)
Travel Speed	6.3 mph (10.1 km/hr)
Lift Breakout Force	1353 lbs. (6018 N)
Tilt Breakout Force	2818 lbs. (12,535 N)
Push Force	2434 lbs. (10,827 N)

ENGINE/ELECTRICAL

- Loader shall have a 3-cylinder, liquid-cooled diesel; 23.5 hp (17.5 kW) at 3000 governed RPM.
- Loader engine shall have a minimum torque of 46.3 lbf-ft (62.8 N-m) at 2200 RPM.
- Loader engine shall be naturally aspirated.
- Engine shall meet EPA Tier IV Emission Standards.
- Spark arrestor muffler, dual element air cleaner and glow plug cold weather assist shall be provided as standard equipment.
    - Cold weather assist shall be automatically activated.
    - Air cleaner shall be a dry replaceable cartridge with safety element.
- Engine coolant shall include propylene glycol anti-freeze with freeze protection to -34ºF (-37ºC).
- Battery shall be a 12 volt with a minimum of 650 cold-cranking amps.
- Alternator shall be a minimum of 65 amps.
- Starter shall be a 12 volt; 1.88 HP (1.40 kW), gear type.
- Rental kit shall be provided as optional equipment and shall monitor engine coolant temperature, engine oil pressure and engine RPM to help prevent engine damage.
- Engine block heater shall be provided as optional equipment to provide easier starting during cold weather operation.
- Catalytic exhaust purifier shall be provided as optional equipment.

DRIVE SYSTEM

- Shall have a fully hydrostatic four-wheel drive.
- Transmission shall be infinitely variable tandem hydrostatic piston pumps, driving two fully reversing hydrostatic drive motors.
- Hydrostatic piston pumps shall be belt driven from the engine.
- Final drive chains shall be pre-stressed #60 HSOC endless roller chain (no master link).
- Two chains per each side of the loader with no idler sprocket.
  - Chains shall not require periodic adjustments.
- Final drive chains and sprockets shall be sealed in a chaincase with oil lubrication.
- Axle seals shall be protected by the wheel hub and shall never require greasing.
- Final drive axles shall be a minimum of 1.48" (37.6 mm) in diameter.
- Parking brake shall be a positive engagement wedge and lobe.
- Wheels shall be fixed to the axle hubs with five (5) 9/16" wheel bolts.
- Tires: 23 x 5.7-12, 4 PR Standard Duty Tires
  23 x 8.5-12, 6 PR Heavy Duty Tires

HYDRAULIC SYSTEM

- Pump type shall be a gear type pump for standard flow hydraulics.
- Hydraulic pump capacity for standard flow shall be capable of providing 9.8 gpm (37.1 L/min) for bucket, lift arm and attachment operation.
- System pressure at the quick couplers shall be 3000 psi (207 BAR).
- Variable flow auxiliary hydraulics shall be standard equipment.
  - Shall include flush-face pressure release quick couplers.
  - Shall include dual direction detent.
- Control valve shall be three spool, open center, series type.
  - Lift spool shall include a detent position for lift arm float function.
  - Front auxiliary hydraulic spool shall include a detent function in both forward and reverse directions.
- Cylinders shall be a double-acting type. Single tilt cylinders shall have a cushioning feature on dump and roll back.
- Rental kit shall be provided as optional equipment and shall monitor hydraulic oil temperature, hydraulic oil pressure to prevent any hydraulic damage.
- A hydraulic oil cooler shall be standard equipment.
- Shall have inertia welded rods and bases at the ends of the cylinders.
- Hydraulic bucket positioning shall be available as an option.
  - Shall include on/off switch inside operator cab.
- Lift circuit port relief valve shall be standard equipment.
- Auxiliary hydraulics circuit port relief valve shall be available as an option.
- A feature for draining pressure from the auxiliary hydraulics circuit shall be provided by pressing and holding the quick couplers.

- Cylinders shall meet the following minimum specifications:

Function	# of Cylinders	Bore Diameter	Rod Diameter	Stroke
Lift	2	2.00" (50.8 mm)	1.25" (31.8 mm)	21.88" (555.5 mm)
Tilt	1	3.00" (76.2 mm)	1.25" (31.8 mm)	10.56" (268.2 mm)

OPERATOR CONTROLS

- Loader direction, steering, and travel speed shall be controlled by two independent steering levers.
- Loader lift and tilt functions.
  - Standard- Shall be controlled by separate foot pedals.
- Standard front auxiliary hydraulics shall be controlled by lateral movement of the right steering lever handle.
- Engine speed shall be controlled by a hand lever.
- Parking brake shall be controlled by a finger operated rocker switch on center control.
- Engine starting and shutdown functions shall be controlled electrically with a key switch or optional keyless start.

OPERATOR COMFORT

- Shall have an enclosed cab available as an option.
- Cab heat shall be available as an option without changing loader profile.
- Front door shall be a one-piece design and curved.
- An adjustable suspension seat available as standard equipment.
- Sound reduction shall be available as an option.
- Top window shall be available as an option
- Rear window shall be available as standard equipment.
- Shall have special application polycarbonate doors and windows available as an option.
- Front and rear operating lights shall be available as standard equipment.
- An FM/AM Radio shall be available as an option.
- 12 volt power ports shall be available as standard equipment.
- Clean out holes in the foot well shall be provided as standard equipment.

CAPACITIES

Fuel Tank shall have a minimum capacity of 6.5 gal. (24.6 L).
Cooling System with overflow bottle shall have a minimum capacity of 6.0 qt. (5.7 L).
Hydraulic Reservoir shall have a minimum capacity of 5.3 qt. (5.0 L).
Hydrostatic System shall have a minimum capacity of 4.0 gal. (15.1 L).
Transmission (Final Drive) shall have a minimum capacity of 3.0 gal. (11.4 L).

STANDARD LOADER INSTRUMENTATION

- The loader conditions shall be monitored by a combination of gauges and warning lights in the operator's line of sight that monitor the following functions. The system shall alert the operator of monitored loader malfunctions by way of an audible alarm and visual warning lights.
- A keyless panel shall be available as option in addition to the instrumentation.

Gauges
-Engine Coolant Temperature
-Voltmeter
-Hourmeter

Warning Lights & Alarms
-Engine Warning
-Transmission
-Seat Bar
-Lift & Tilt Valve
Parking Brake

Buttons
-Traction Lock Override Button
-Press to Operate
-Key Switch
-Parking Brake
-Lights

ATTACHMENTS

- All attachments shall be mounted on a quick-change mechanism. No attachments will be considered unless it can be removed or mounted by an experienced operator in two minutes or less.
- The quick-change mechanism shall incorporate two handles that drive spring loaded, wear compensating wedges into the attachment ensuring a tight attachment fit-up.
- Backhoe operation shall be possible with the lift arms in the down position.
- A single control unit shall be provided which will control all available attachments.
- Standard flow hydraulics shall be available as standard equipment.

SERVICEABILITY

Access shall be available to the following through the rear door/tailgate and rear screen.

- Air cleaner
- Alternator
- Battery
- Cooling system (engine oil and hydraulic oil coolers) for cleaning
- Engine oil and fuel filters
- Engine oil drain and dipstick
- Starter
- Axle hubs shall provide protection for the axle seals.
- Easy access shall be provided to all lift arm grease points.
- Quick-Tach pivots shall have replaceable wear bushings.
- Rod end of the tilt cylinder shall have a replaceable bushing.
- Tailgate shall have an optional lock for vandal proofing.
- Tailgate shall be equipped with doorstop to hold door open while servicing.
- Tip-up operator cab shall give access to certain hydraulic system components.

SAFETY EQUIPMENT

- An enclosable operator cab with side screens shall be provided as standard equipment. Cab shall meet SAE standards J1040 and J1043 for Rollover Protective Structure and Falling Object Protective Structure. Minimum inside cab width of 27" (686 mm).
- A seat belt and an electric switch operated parking brake shall be furnished as standard equipment.
- Additional operator protection shall be provided by a seat bar or similar device which restricts lift arm operation when not in use.
- A lift arm support device shall assist in servicing the loader and be provided as standard equipment.
- Grab handles shall assist the operator in mounting and dismounting the loader will be provided as standard equipment.
- Instructions - operational instructions and warnings by decals with pictorials and international symbols plus some messages in four basic languages: English, French, German and Spanish. Additionally, a weather resistant operator handbook written in English will be attached to the loader.
- Loader shall be equipped with an interlock control system which requires that the operator be seated in the loader with the seat bar down in place and the engine running before the hydraulic lift, tilt and the traction drive system can be operated. The auxiliary hydraulics shall deactivate when the operator raises the seat bar. Should the engine not start or a system problem occur with the lift arms raised, the lift arms can be lowered by turning the lift.
- Loader shall include an alarm package including a horn and backup alarm.
- Strobe lights or rotating beacons shall be available as an option.
- 4 way flashing lights shall be available as an option.

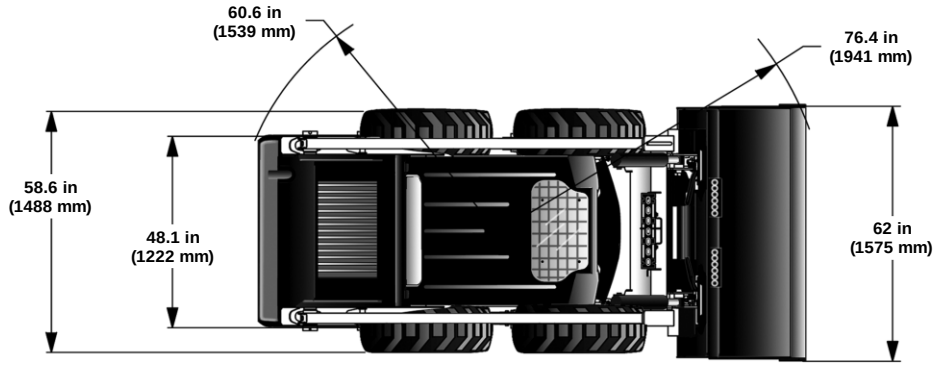
TRAINING RESOURCES

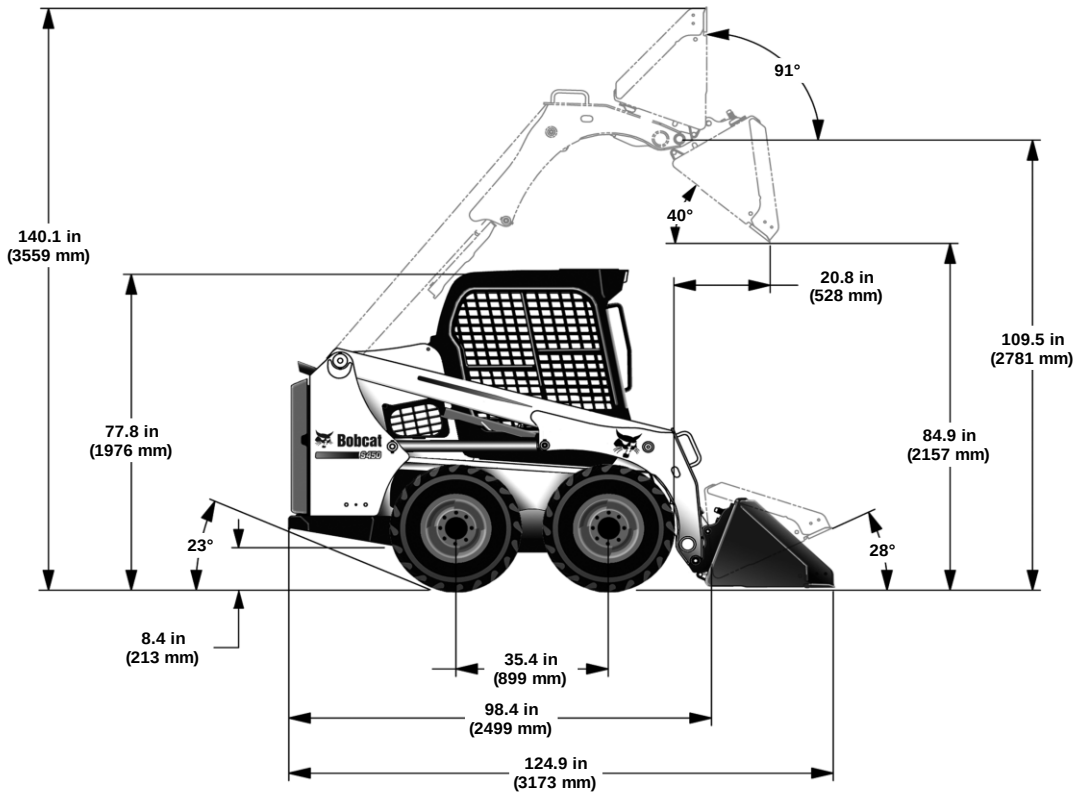
- A comprehensive Skid Steer Loader Operator Training Kit shall be available. The kit shall include a video, classroom and hands-on training. This kit shall also be available in Spanish.
- A comprehensive Service Safety Training Kit shall be available. The kit shall include a video, classroom and hands-on training.

LOADER SPECIFICATIONS

Machine Dimensions

- Dimensions are given for loader equipped with standard tires and 62 in. General Purpose bucket and may vary with other bucket types.
- Where applicable, specifications conform to SAE or ISO standards and are subject to change without notice.





Changes of structure or weight distribution of the loader can cause changes in control and steering response, and can cause failure of the loader parts.

Specification(s) are based on engineering calculations and are not actual measurements. Specification(s) are provided for comparison purposes only and are subject to change without notice. Specification(s) for your individual Bobcat equipment will vary based on normal variations in design, manufacturing, operating conditions, and other factors.

LOADER SPECIFICATIONS (CONT'D)

Performance

Rated Operating Capacity	1300 lb (590 kg)
with 160 Pound Axle Weight Kit	1400 lb (635 kg)
Tipping Load	2600 lb (1179 kg)
Operating Weight	5027 lb (2280 kg)
Breakout Force – Lift	2765 lb (1254 kg)
Breakout Force – Tilt	2776 lb (1259 kg)
Travel Speed:	
– Single Speed Loader	0 – 7.1 mph (0 – 11,4 km/h)
Two-Speed Loader (Option):	
Low Range	0 – 6.5 mph (0 – 10,5 km/h)
High Range	0 – 9.2 mph (0 – 14,8 km/h)

Engine

Make / Model	Bobcat Engine / 1,8L Bobcat Engine Tier 4
Fuel / Cooling	Diesel / Liquid
Horsepower:	
– ISO 9249 EEC / SAE J1349 Net	47.0 hp (35,0 kW) @ 2800 rpm
– ISO 14396 Gross	49.0 hp (36,6 kW) @ 2800 rpm
– SAE J1995 Gross	49.8 hp (37,1 kW) @ 2800 rpm
Torque:	
– ISO 9249 EEC / SAE J1349 Net	113.6 ft-lb (154,0 N•m) @ 1800 rpm
– SAE J1995 Gross	121.7 ft-lb (165,0 N•m) @ 1800 rpm
Low Idle rpm	1125 – 1175
High Idle rpm	2800
Number of Cylinders	3
Displacement	109.5 in^3 (1794 cm^3)
Bore / Stroke	3.54 in / 3.70 in (90 mm / 94 mm)
Lubrication	Gear Pump Pressure System with Filter
Crankcase Ventilation	Closed Breathing
Air Cleaner	Dry replaceable paper cartridge with separate safety element
Ignition	Diesel – Compression
Air Induction	Turbo-Charged and Charged Air Cooled
Engine Coolant	Propylene Glycol / Water Mixture
Starting Aid	Glow plugs automatically activated as needed in RUN position

LOADER SPECIFICATIONS (CONT'D)

Drive System

Main Drive	Fully hydrostatic, 4-wheel drive
Transmission	Infinitely variable tandem hydrostatic piston pumps, driving two fully reversing hydrostatic motors
Final Drive	Prestressed #80 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
Axle Size	1.98 in (50,29 mm), heat treated
Wheel Bolts	Eight – 9/16 in. wheel bolts fixed to axle hubs

Controls

Machine Steering	Direction and speed controlled by two hand operated steering levers or optional joystick(s)
Loader Hydraulics: – Lift and Tilt	Controlled by separate foot pedals or optional Advanced Control System (ACS) or optional Selectable Joystick Controls (SJC)
– Front Auxiliary	Controlled by electrical switch on Right Hand steering lever or joystick
Auxiliary Pressure Release	Pressure relieved through quick couplers; Push couplers in, hold for 5 seconds
Engine	Hand operated speed control, additional foot operated speed control pedal with SJC option; key-type start switch or optional Keyless Start Panel or optional Deluxe Instrumentation Panel and function error shutdown
Service Brake	Two independent hydrostatic systems controlled by two hand operated steering levers or optional joystick(s)
Secondary Brake	One of the hydrostatic transmissions
Parking Brake	Mechanical disc activated by manually operated switch on left instrument panel

LOADER SPECIFICATIONS (CONT'D)

Hydraulic System

Pump Type	Engine driven, gear type
Pump Capacity	16.7 U.S. gpm (63,2 L/min)
System Relief at Quick Couplers	3250 – 3350 psi (22,4 – 23,1 MPa) (224 – 231 bar)
Filter (Hydraulic / Hydrostatic)	Replaceable beta 10 micron = 200, drop in element
Filter (Charge)	Replaceable beta 10 micron = 200, drop in element
Hydraulic Cylinders:	Double-acting; tilt cylinders have cushioning feature on dump and rollback
Lift Cylinder (2):	
Bore Diameter	2.00 in (50,8 mm)
Rod Diameter	1.25 in (31,8 mm)
Stroke	26.19 in (665,2 mm)
Tilt Cylinder (2):	
Bore Diameter	2.38 in (60,4 mm)
Rod Diameter	1.25 in (31,8 mm)
Stroke	14.05 in (356,9 mm)
Control Valve – Standard	3-Spool, open center, manually operated with spring detent for lift float; Electrically controlled auxiliary spool
Control Valve – ACS and SJC	3-Spool, open center with electric actuator controlled lift with float and tilt; Electrically controlled auxiliary spool
Fluid Lines	SAE Standard tubelines, hoses, and fittings
Hydraulic Function Time:	
Raise Lift Arms	2.6 seconds
Lower Lift Arms	2.4 seconds
Bucket Dump	2.0 seconds
Bucket Rollback	1.5 seconds

LOADER SPECIFICATIONS (CONT'D)

Electrical System

Alternator	Belt driven, 90 amperes, open frame
Battery	12 volt, 600 cold cranking amperes @ 0°F (-18°C), 115 minute reserve capacity @ 25 amperes
Starter	12 volt, gear type, 3.62 hp (2,7 kW)
Instrumentation	**Gauges:** Engine Coolant Temperature and Fuel Level **Warning lights:** Fuel Level, Seat Belt, Engine Coolant Temperature, Engine Malfunction, Hydraulic System Malfunction, Diesel Particulate Filter (DPF) / Diesel Exhaust Fluid (DEF), and General Warning **Indicators:** BICS™ Functions, Two-Speed, 3-Point Restraint, and Turn Signals **Data Display:** Operating Hours, Engine rpm, Speed Management Setting, Maintenance Clock Countdown, Battery Voltage, Service Codes, Engine Preheat Countdown, Lift and Tilt Compensation Setting, Steering Drift Compensation Setting, and Drive Response Setting **Other:** Audible Alarm, Lights, and Option / Accessory Switches **Optional Deluxe Instrumentation Panel:** *Additional displays for: Engine rpm, Engine Coolant Temperature, Engine Oil Pressure, System Voltage, Hydraulic Fluid Temperature, and Hydrostatic Charge Pressure *Additional Features Included: Keyless Start, Digital Clock, Job Clock, Password Lockout, Multiple-Language Display, Help Screens, Diagnostic Capability, and Engine / Hydraulic Systems Shutdown Function

LOADER SPECIFICATIONS (CONT'D)

Capacities

Fuel	14.4 U.S. gal (54,5 L)
Engine Oil with Filter Change	5.8 qt (5,5 L)
Engine Cooling System with Heater	2.8 U.S. gal (10,6 L)
Engine Cooling System without Heater	2.5 U.S. gal (9,6 L)
Hydraulic / Hydrostatic Reservoir	1.4 U.S. gal (5,3 L)
Hydraulic / Hydrostatic System	5.5 U.S. gal (21,0 L)
Chaincase Reservoir	5.5 U.S. gal (21,0 L)
Air Conditioning Refrigerant (R-134a)	1.5 lb (0,68 kg)

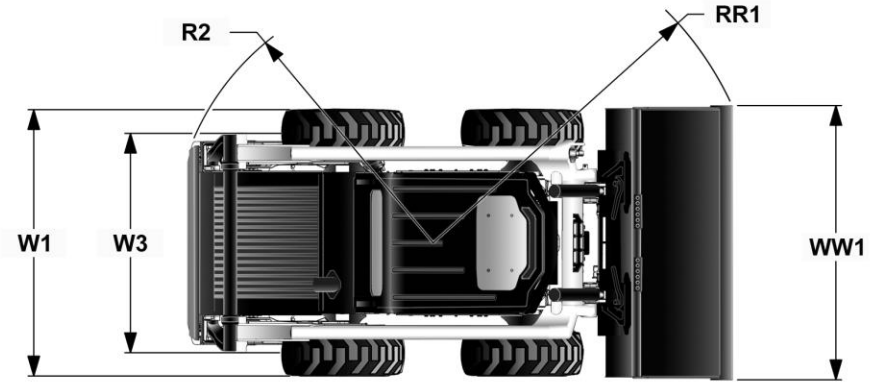
Tires

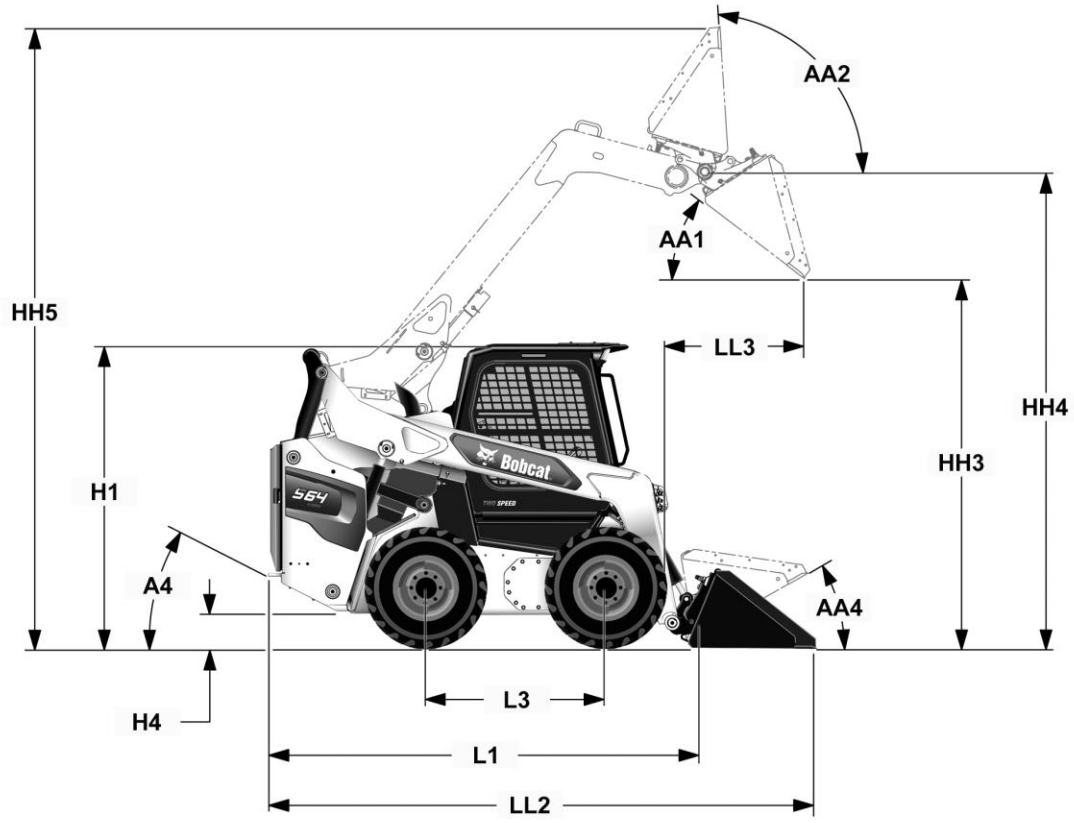
Heavy Duty (Standard)	10.00 – 16.5, 10 Ply Rating
Heavy Duty Poly Fill (Option)	10.00 – 16.5, 10 Ply Rating
Severe Duty (Option)	10.00 – 16.5, 10 Ply Rating
Severe Duty Poly Fill (Option)	10.00 – 16.5, 10 Ply Rating
Solidflex (Option)	31 x 6 x 10
Standard Duty (Option)	10.00 – 16.5, 8 Ply Rating
Recommended Pressure	Inflate tires to MAXIMUM pressure shown on the sidewall of the tire; DO NOT mix brands of tires used on the same loader

S64 Loader Sales Specification

LOADER SPECIFICATIONS

Machine Dimensions





S64 Loader Sales Specification

LOADER SPECIFICATIONS (CONT'D)

Machine Dimensions (Cont'd)

- Dimensions are given for loader equipped with standard tires and 68 in. Standard Duty bucket and may vary with other bucket types.

- Where applicable, specifications conform to SAE or ISO standards and are subject to change without notice.

R2	Rear of machine clearance radius	1692 mm (66.6 in)
RR1	Carry position machine clearance radius	2033 mm (80.1 in)
W1	Overall width	1642 mm (64.6 in)
W3	Tread	1375 mm (54.1 in)
WW1	Bucket width	1727 mm (68.0 in)
HH5	Overall operating height	3910 mm (153.9 in)
H1	Overall height	2045 mm (80.5 in)
A4	Angle of departure	25 degrees
H4	Ground clearance	189 mm (7.5 in)
L3	Wheelbase	1133 mm (44.6 in)
L1	Length without attachment	2718 mm (107.0 in)
LL2	Overall length	3427 mm (134.9 in)
AA2	Maximum rollback – fully raised	94 degrees
AA1	Dump angle	37 degrees
LL3	Reach - fully raised	869 mm (34.2 in)
HH3	Dump height	2396 mm (94.3 in)
AA4	Maximum rollback – carry position	31 degrees
HH4	Height to hinge pin	3048 mm (120.0 in)

Changes of structure or weight distribution of the loader can cause changes in control and steering response, and can cause failure of the loader parts.

S64 Loader Sales Specification

LOADER SPECIFICATIONS (CONT'D)

Certain specification(s) are based on engineering calculations and are not actual measurements. Specification(s) are provided for comparison purposes only and are subject to change without notice. Specification(s) for your individual Bobcat equipment will vary based on normal variations in design, manufacturing, operating conditions, and other factors.

Performance Specifications

Rated Operating Capacity	1043 kg (2300 lb)
with 200 Pound Frame Mounted Counterweight Kit	1111 kg (2450 lb)
Tipping Load	2086 kg (4600 lb)
Operating Weight	3163 kg (6974 lb)
Breakout Force – Lift	2440 kg (5378 lb)
Breakout Force – Tilt	2145 kg (4730 lb)
Travel Speed:	
— Single Speed Loader	0 – 11,8 km/h (0 – 7,4 mph)
— Two-Speed Loader (If equipped):	
— Low Range	0 – 11,8 km/h (0 – 7,4 mph)
— High Range	0 – 17,7 km/h (0 – 11,0 mph)

Engine Specifications

Make / Model	Bobcat Engine / 2,4L Bobcat Engine Tier 4
Fuel / Cooling	Diesel / Liquid
Horsepower:	
— ISO 9249 EEC / SAE J1349 Net	48,4 kW (64.9 hp) @ 2600 rpm
— ISO 14396 Gross	50,8 kW (68.1 hp) @ 2600 rpm
— SAE J1995 Gross	51,4 kW (69.0 hp) @ 2600 rpm
— Rated Power	50,7 kW (68.0 hp) @ 2600 rpm
Torque:	
— ISO 9249 EEC / SAE J1349 Net	236,3 N•m (174,3 ft-lb) @ 1800 rpm
— ISO 14396 Gross	252,3 N•m (186.1 ft-lb) @ 1800 rpm
— SAE J1995 Gross	255,5 N•m (188.5 ft-lb) @ 1800 rpm
— Rated Torque	252,0 N•m (185,9 ft-lb) @ 1800 rpm
Low Idle rpm	1025 – 1075
High Idle rpm	2575 – 2625
Number of Cylinders	4

S64 Loader Sales Specification

LOADER SPECIFICATIONS (CONT'D)

Engine Specifications (CONT'D)

Number of Cylinders	4
Displacement	2400 cm3 (146.5 in3)
Bore / Stroke	90 mm / 94 mm (3.5 in / 3.7 in)
Lubrication	Gear Pump Pressure System with Filter
Crankcase Ventilation	Closed Breathing
Air Cleaner	Dry replaceable paper cartridge with separate safety element
Ignition	Diesel – Compression
Air Induction	Turbo-Charged and Charged Air Cooled
Engine Coolant	Propylene Glycol / Water Mixture
Starting Aid	Glow plugs automatically activated as needed in RUN position

Drive System Specifications

Main Drive	Fully hydrostatic, 4–wheel drive
Transmission	Infinitely variable tandem hydrostatic piston pumps, driving two fully reversing hydrostatic motors
Final Drive	Prestressed #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
Axle Size	53,1 mm (2.09 in), heat treated
Wheel Bolts	Eight — 9/16 in, wheel bolts fixed to axle hubs

Control Specifications

Machine Steering	Direction and speed controlled by two hand operated steering levers or optional joystick(s)
Loader Hydraulics:	
— Lift and Tilt	Controlled by separate foot pedals or optional joystick(s)
— Front Auxiliary	Controlled by electrical switch on Right Hand steering lever or joystick
— Rear Auxiliary (If equipped)	Controlled by electrical switch on Left Hand steering lever or joystick
Auxiliary Pressure Release	Pressure relieved through quick couplers; Push couplers in, hold for 5 seconds
Engine	Hand operated speed control, additional foot operated speed control pedal with SJC option; key-type start switch or keypad and function error shutdown
Service Brake	Two independent hydrostatic systems controlled by two hand operated steering levers or optional joystick(s)
Secondary Brake	One of the hydrostatic transmissions
Parking Brake	Mechanical disc activated by manually operated button on right control panel

S64 Loader Sales Specification

LOADER SPECIFICATIONS (CONT'D)

Hydraulic System Specifications

Pump Type	Engine driven, gear type
Pump Capacity – Standard-Flow	66,5 L/min (17.6 U.S. gpm)
Pump Capacity – High-Flow	101,8 L/min (26.9 U.S. gpm)
System Relief at Quick Couplers	23,8 – 24,5 MPa (238 – 245 bar) (3450 – 3550 psi)
Filter (Main Hydraulic)	Replaceable ß 10(c) ≥ 200 ISO 16889, drop in element
Filter (Charge)	Replaceable ß 12(c) ≥ 200 ISO 16889, spin on element
Filter (Hydraulic Reservoir Vent)	Replaceable 10 micron, thread on cap
Control Valve	3-Spool, open center with electric actuator controlled lift with float and tilt; Electro-hydraulic piloted auxiliary spool
Fluid Lines	SAE Standard tubelines, hoses, and fittings
Fluid Type	Bobcat Fluid, Hydraulic / Hydrostatic 6903117 – (Two – 2.5 U.S. gal) 6903118 – (5 U.S. gal) 6903119 – (55 U.S. gal)
Hydraulic Function Time:	
— Raise Lift Arms	3.8 seconds
— Lower Lift Arms	2.2 seconds
— Bucket Dump	2.3 seconds
— Bucket Rollback	1.6 seconds

Hydraulic Cylinder Specifications

Double-acting; lift cylinders have cushioning feature on lower, tilt cylinders have cushioning feature on dump and rollback	BORE	STROKE	ROD
Lift	69,9 mm (2.75 in)	551,2 mm (21.70 in)	44,5 mm (1.75 in)
Tilt	69,9 mm (2.75 in)	331,0 mm (13.03 in)	38,1 mm (1.50 in)

Electrical System Specifications

Alternator	Belt driven, 90 amperes, open frame
Battery	12 volt, 1000 cold cranking amperes @ -18°C (0°F), 186 minute reserve capacity @ 25 amperes
Starter	12 volt, gear type, 2,7 kW (3.62 hp)

S64 Loader Sales Specification

LOADER SPECIFICATIONS (CONT'D)

Fluid Capacities

Fuel	107,1 L (28,3 U.S. gal)
Engine Oil with Filter Change	9,2 L (9,7 qt)
Engine Cooling System with Heater	11,3 L (11.9 qt)
Engine Cooling System without Heater	10,6 L (11.2 qt)
Hydraulic / Hydrostatic Reservoir	18,9 L (20,0 qt)
Hydraulic / Hydrostatic System	36,0 L (9.5 U.S. gal)
Chaincase Reservoir (Total for both chaincases)	32,2 L (8.5 U.S. gal)
Air Conditioning Refrigerant (R-134a)	0,73 kg (1,6 lb)

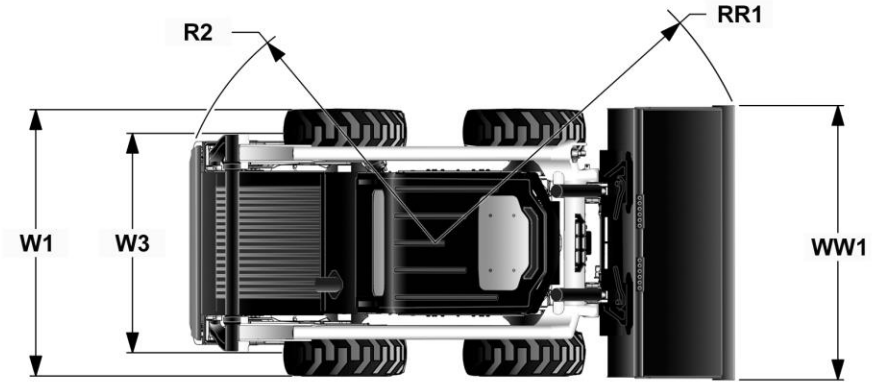
Tire Specifications

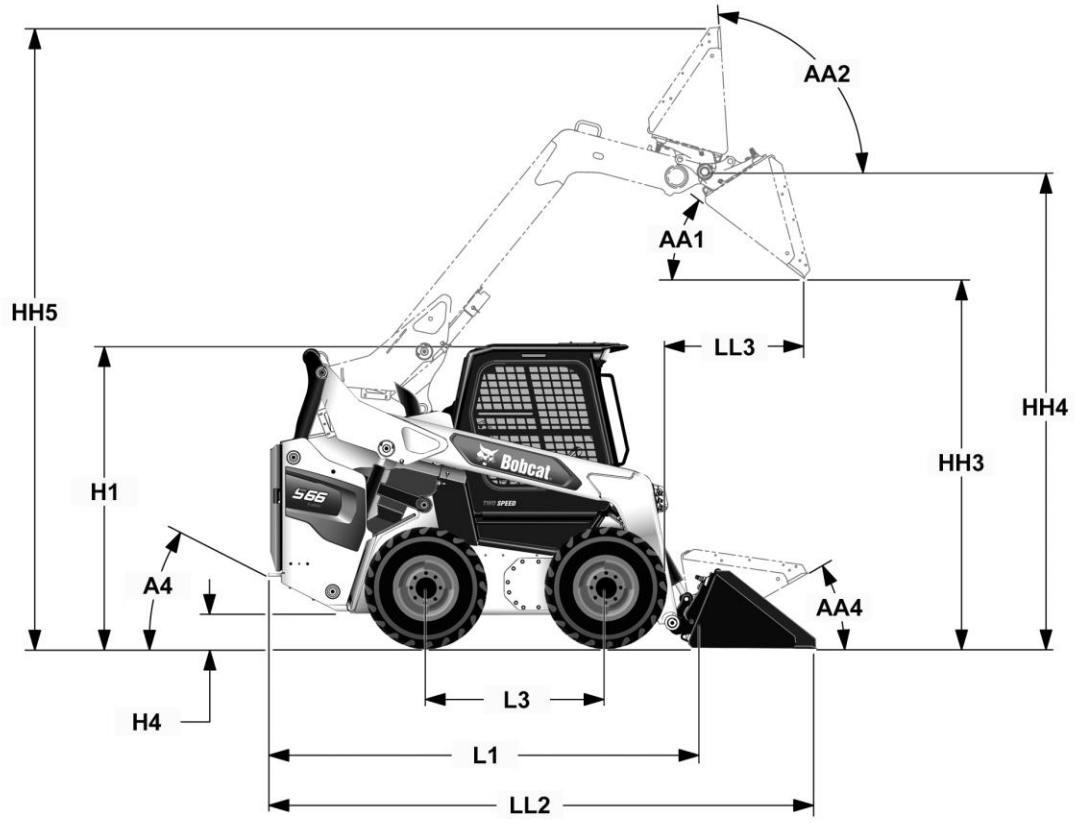
Standard Duty (Standard)	10.00 – 16.5, 8 Ply Rating
Heavy Duty (If equipped)	10.00 – 16.5, 10 Ply Rating
Heavy Duty Offset (If equipped)	10,00 – 16,5, 10 Ply Rating
Heavy Duty Poly Fill (If equipped)	10.00 – 16.5, 10 Ply Rating
Heavy Duty Offset Poly Fill (If equipped)	10.00 – 16.5, 10 Ply Rating
Severe Duty (If equipped)	10.00 – 16.5, 10 Ply Rating
Solidflex (If equipped)	31 x 6 x 10
Super Float (If equipped)	31 x 12 – 16.5, 10 Ply Rating
Recommended Pressure	Inflate tires to MAXIMUM pressure shown on the sidewall of the tire; DO NOT mix brands of tires used on the same machine

S66 Loader Sales Specification

LOADER SPECIFICATIONS

Machine Dimensions





S66 Loader Sales Specification

LOADER SPECIFICATIONS (CONT'D)

Machine Dimensions (Cont'd)

- Dimensions are given for loader equipped with standard tires and 68 in. Standard Duty bucket and may vary with other bucket types.

- Where applicable, specifications conform to SAE or ISO standards and are subject to change without notice.

R2	Rear of machine clearance radius	1692 mm (66.6 in)
RR1	Carry position machine clearance radius	2033 mm (80.1 in)
W1	Overall width	1702 mm (67.0 in)
W3	Tread	1326 mm (52.2 in)
WW1	Bucket width	1727 mm (68.0 in)
HH5	Overall operating height	3909 mm (153.9 in)
H1	Overall height	2045 mm (80.5 in)
A4	Angle of departure	25 degrees
H4	Ground clearance	189 mm (7.5 in)
L3	Wheelbase	1133 mm (44.6 in)
L1	Length without attachment	2718 mm (107.0 in)
LL2	Overall length	3427 mm (134.9 in)
AA2	Maximum rollback - fully raised	94 degrees
AA1	Dump angle	37 degrees
LL3	Reach - fully raised	869 mm (34.2 in)
HH3	Dump height	2396 mm (94.3 in)
AA4	Maximum rollback - carry position	31 degrees
HH4	Height to hinge pin	3048 mm (120.0 in)

Changes of structure or weight distribution of the loader can cause changes in control and steering response, and can cause failure of the loader parts.

S66 Loader Sales Specification

LOADER SPECIFICATIONS (CONT'D)

Certain specification(s) are based on engineering calculations and are not actual measurements. Specification(s) are provided for comparison purposes only and are subject to change without notice. Specification(s) for your individual Bobcat equipment will vary based on normal variations in design, manufacturing, operating conditions, and other factors.

Performance Specifications

Rated Operating Capacity	1089 kg (2400 lb)
with 200 Pound Frame Mounted Counterweight Kit	1157 kg (2550 lb)
Tipping Load	2177 kg (4800 lb)
Operating Weight	3245 kg (7154 lb)
Breakout Force – Lift	2440 kg (5378 lb)
Breakout Force – Tilt	2145 kg (4730 lb)
Travel Speed:	
— Low Range	0 – 11,8 km/h (0 – 7.4 mph)
— High Range	0 – 17,7 km/h (0 – 11.0 mph)

Engine Specifications

Make / Model	Bobcat Engine / 2,4L Bobcat Engine Tier 4
Fuel / Cooling	Diesel / Liquid
Horsepower:	
— ISO 9249 EEC / SAE J1349 Net	52,6 kW (70.5 hp) @ 2600 rpm
— ISO 14396 Gross	55,1 kW (73.8 hp) @ 2600 rpm
— SAE J1995 Gross	56,0 kW (75.0 hp) @ 2600 rpm
— Rated Power	55,2 kW (74.0 hp) @ 2600 rpm
Torque:	
— ISO 9249 EEC / SAE J1349 Net	266,3 N•m (196.3 ft-lb) @ 1800 rpm
— ISO 14396 Gross	280,2 N•m (206.7 ft-lb) @ 1800 rpm
— SAE J1995 Gross	283,9 N•m (209.4 ft-lb) @ 1800 rpm
— Rated Torque	280,0 N•m (206.5 ft-lb) @ 1800 rpm
Low Idle rpm	1025 - 1075
High Idle rpm	2575 - 2625
Number of Cylinders	4
Displacement	2400 cm3 (146.5 in3)
Bore / Stroke	90 mm / 94 mm (3.5 in / 3.7 in)

S66 Loader Sales Specification

LOADER SPECIFICATIONS (CONT'D)

Engine Specifications (CONT'D)

Lubrication	Gear Pump Pressure System with Filter
Crankcase Ventilation	Closed Breathing
Air Cleaner	Dry replaceable paper cartridge with separate safety element
Ignition	Diesel – Compression
Air Induction	Turbo-Charged and Charged Air Cooled
Engine Coolant	Propylene Glycol / Water Mixture
Starting Aid	Glow plugs automatically activated as needed in RUN position

Drive System Specifications

Main Drive	Fully hydrostatic, 4–wheel drive
Transmission	Infinitely variable tandem hydrostatic piston pumps, driving two fully reversing hydrostatic motors
Final Drive	Prestressed #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
Axle Size	53,1 mm (2.09 in), heat treated
Wheel Bolts	Eight — 9/16 in. wheel bolts fixed to axle hubs

Control Specifications

Machine Steering	Direction and speed controlled by two hand operated steering levers or optional joystick(s)
Loader Hydraulics:	
— Lift and Tilt	Controlled by separate foot pedals or optional joystick(s)
— Front Auxiliary	Controlled by electrical switch on Right Hand steering lever or joystick
— Rear Auxiliary (If equipped)	Controlled by electrical switch on Left Hand steering lever or joystick
Auxiliary Pressure Release	Pressure relieved through quick couplers; Push couplers in, hold for 5 seconds
Engine	Hand operated speed control, additional foot operated speed control pedal with SJC option; key-type start switch or keypad and function error shutdown
Service Brake	Two independent hydrostatic systems controlled by two hand operated steering levers or optional joystick(s)
Secondary Brake	One of the hydrostatic transmissions
Parking Brake	Mechanical disc activated by manually operated button on right control panel

S66 Loader Sales Specification

LOADER SPECIFICATIONS (CONT'D)

Hydraulic System Specifications

Pump Type	Engine driven, gear type
Pump Capacity – Standard-Flow	66,5 L/min (17.6 U.S. gpm)
Pump Capacity – High-Flow	101,8 L/min (26.9 U.S. gpm)
System Relief at Quick Couplers	23,8 – 24,5 MPa (238 – 245 bar) (3450 – 3550 psi)
Filter (Main Hydraulic)	Replaceable ß 10(c) ≥ 200 ISO 16889, drop in element
Filter (Charge)	Replaceable ß 12(c) ≥ 200 ISO 16889, spin on element
Filter (Hydraulic Reservoir Vent)	Replaceable 10 micron, thread on cap
Control Valve	3-Spool, open center with electric actuator controlled lift with float and tilt; Electro-hydraulic piloted auxiliary spool
Fluid Lines	SAE Standard tubelines, hoses, and fittings
Fluid Type	Bobcat Fluid, Hydraulic / Hydrostatic 6903117 – (Two – 2.5 U.S. gal) 6903118 – (5 U.S. gal) 6903119 – (55 U.S. gal)
Hydraulic Function Time: — Raise Lift Arms — Lower Lift Arms — Bucket Dump — Bucket Rollback	 3.8 seconds 2.2 seconds 2.3 seconds 1.6 seconds

Hydraulic Cylinder Specifications

Double-acting; lift cylinders have cushioning feature on lower, tilt cylinders have cushioning feature on dump and rollback	BORE	STROKE	ROD
Lift	69,9 mm (2.75 in)	551,2 mm (21.70 in)	44,5 mm (1.75 in)
Tilt	69,9 mm (2.75 in)	331,0 mm (13.03 in)	38,1 mm (1.50 in)

Electrical System Specifications

Alternator	Belt driven, 90 amperes, open frame
Battery	12 volt, 1000 cold cranking amperes @ -18°C (0°F), 186 minute reserve capacity @ 25 amperes
Starter	12 volt, gear type, 2,7 kW (3,62 hp)

S66 Loader Sales Specification

LOADER SPECIFICATIONS (CONT'D)

Fluid Capacities

Fuel	107,1 L (28.3 U.S. gal)
Engine Oil with Filter Change	9,2 L (9.7 qt)
Engine Cooling System with Heater	11,3 L (11.9 qt)
Engine Cooling System without Heater	10,6 L (11.2 qt)
Hydraulic / Hydrostatic Reservoir	18,9 L (20.0 qt)
Hydraulic / Hydrostatic System	36,0 L (9.5 U.S. gal)
Chaincase Reservoir (Total for both chaincases)	32,2 L (8.5 U.S. gal)
Air Conditioning Refrigerant (R-134a)	0,73 kg (1.6 lb)

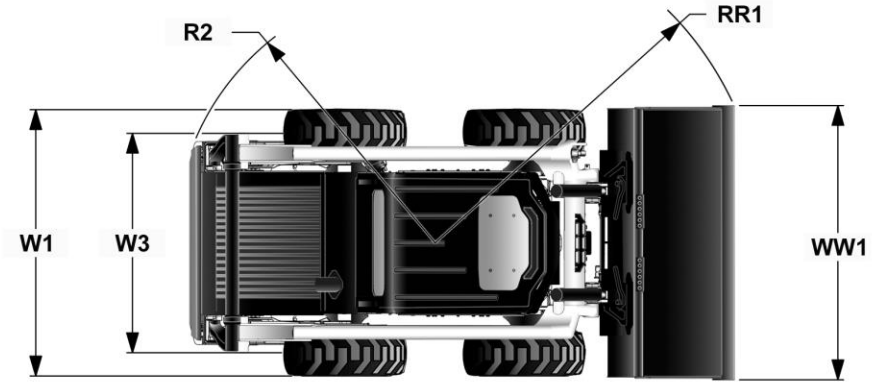
Tire Specifications

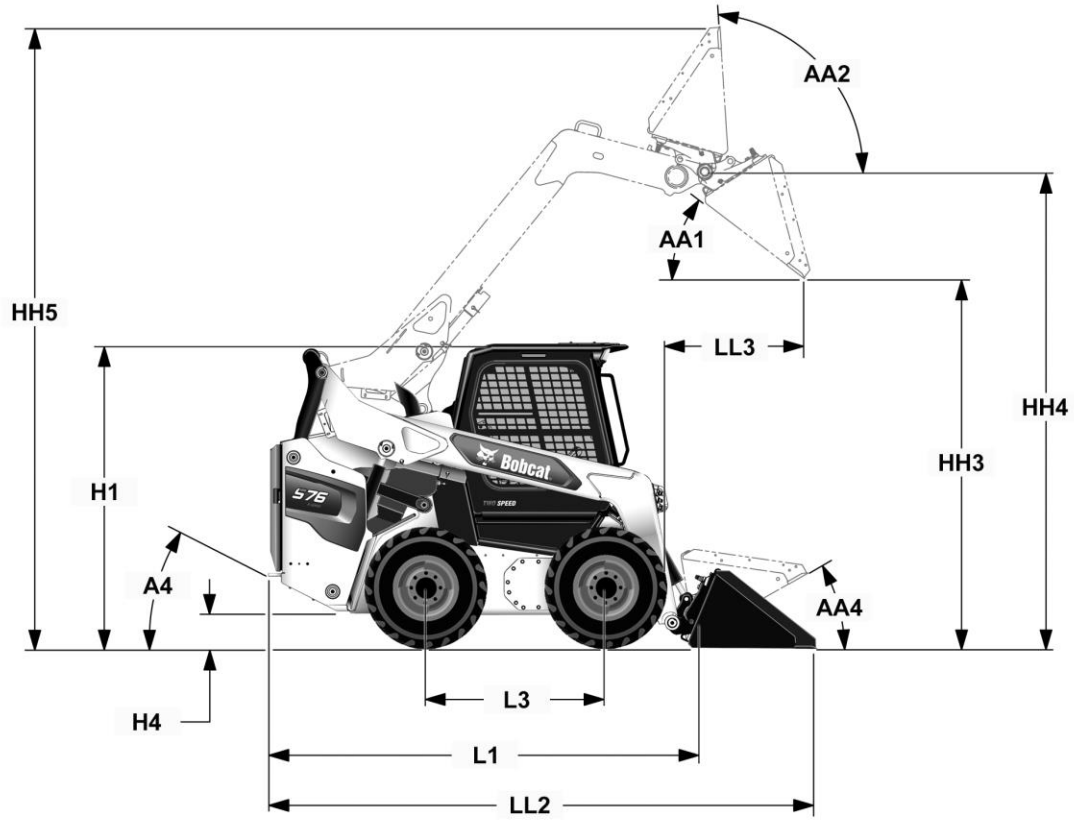
Super Float (Standard)	31 x 12 – 16.5, 10 Ply Rating
Standard Duty (If equipped)	10.00 – 16.5, 8 Ply Rating
Heavy Duty (If equipped)	10.00 – 16.5, 10 Ply Rating
Heavy Duty Offset (If equipped)	10.00 – 16.5, 10 Ply Rating
Heavy Duty Poly Fill (If equipped)	10.00 – 16.5, 10 Ply Rating
Heavy Duty Offset Poly Fill (If equipped)	10.00 – 16.5, 10 Ply Rating
Severe Duty (If equipped)	10.00 – 16.5, 10 Ply Rating
Solidflex (If equipped)	31 x 6 x 10
Recommended Pressure	Inflate tires to MAXIMUM pressure shown on the sidewall of the tire; DO NOT mix brands of tires used on the same machine

S76 Loader Sales Specification

LOADER SPECIFICATIONS

Machine Dimensions





S76 Loader Sales Specification

LOADER SPECIFICATIONS (CONT'D)

Machine Dimensions (Cont'd)

- Dimensions are given for loader equipped with standard tires and 74 in. Heavy Duty bucket and may vary with other bucket types.

- Where applicable, specifications conform to SAE or ISO standards and are subject to change without notice.

R2	Rear of machine clearance radius	1788 mm (70.4 in)
RR1	Carry position machine clearance radius	2228 mm (87.7 in)
W1	Overall width	1829 mm (72.0 in)
W3	Tread	1504 mm (59.2 in)
WW1	Bucket width	1880 mm (74.0 in)
HH5	Overall operating height	4252 mm (167.4 in)
H1	Overall height	2079 mm (81.8 in)
A4	Angle of departure	27 degrees
H4	Ground clearance	223 mm (8.8 in)
L3	Wheelbase	1227 mm (48.3 in)
L1	Length without attachment	2893 mm (113.9 in)
LL2	Overall length	3737 mm (147.1 in)
AA2	Maximum rollback - fully raised	94 degrees
AA1	Dump angle	37 degrees
LL3	Reach - fully raised	950 mm (37.4 in)
HH3	Dump height	2526 mm (99.5 in)
AA4	Maximum rollback - carry position	31 degrees
HH4	Height to hinge pin	3259 mm (128.3 in)

Changes of structure or weight distribution of the loader can cause changes in control and steering response, and can cause failure of the loader parts.

S76 Loader Sales Specification

LOADER SPECIFICATIONS (CONT'D)

Certain specification(s) are based on engineering calculations and are not actual measurements. Specification(s) are provided for comparison purposes only and are subject to change without notice. Specification(s) for your individual Bobcat equipment will vary based on normal variations in design, manufacturing, operating conditions, and other factors.

Performance Specifications

Rated Operating Capacity	1315 kg (2900 lb)
with 200 Pound Frame Mounted Counterweight Kit	1383 kg (3050 lb)
with 300 Pound Frame Mounted Counterweight Kit	1406 kg (3100 lb)
Tipping Load	2673 kg (5894 lb)
Operating Weight	4028 kg (8880 lb)
Breakout Force – Lift	3032 kg (6685 lb)
Breakout Force – Tilt	2654 kg (5851 lb)
Travel Speed:	
— Single Speed Loader	0 – 10,9 km/h (0 – 6.8 mph)
— Two-Speed Loader (If equipped):	.
— Low Range	0 – 10,9 km/h (0 – 6.8 mph)
— High Range	0 – 19,0 km/h (0 – 11.8 mph)

Engine Specifications

Make / Model	Bobcat Engine / 2,4L Bobcat Engine Tier 4
Fuel / Cooling	Diesel / Liquid
Horsepower:	
— ISO 9249 EEC / SAE J1349 Net	52,6 kW (70.5 hp) @ 2600 rpm
— ISO 14396 Gross	55,3 kW (74.1 hp) @ 2600 rpm
— SAE J1995 Gross	56,0 kW (75.0 hp) @ 2600 rpm
— Rated Power	55,2 kW (74.0 hp) @ 2600 rpm
Torque:	
— ISO 9249 EEC / SAE J1349 Net	266,1 N•m (196.3 ft-lb) @ 1800 rpm
— ISO 14396 Gross	280,2 N•m (206.7 ft-lb) @ 1800 rpm
— SAE J1995 Gross	283,9 N•m (209.4 ft-lb) @ 1800 rpm
— Rated Torque	280,0 N•m (206.5 ft-lb) @ 1800 rpm
Low Idle rpm	1025 - 1075
High Idle rpm	2575 - 2625

S76 Loader Sales Specification

LOADER SPECIFICATIONS (CONT'D)

Engine Specifications (CONT'D)

Number of Cylinders	4
Displacement	2400 cm3 (146.5 in3)
Bore / Stroke	90 mm / 94 mm (3.5 in / 3.7 in)
Lubrication	Gear Pump Pressure System with Filter
Crankcase Ventilation	Closed Breathing
Air Cleaner	Dry replaceable paper cartridge with separate safety element
Ignition	Diesel – Compression
Air Induction	Turbo-Charged and Charged Air Cooled
Engine Coolant	Propylene Glycol / Water Mixture
Starting Aid	Glow plugs automatically activated as needed in RUN position

Drive System Specifications

Main Drive	Fully hydrostatic, 4–wheel drive
Transmission	Infinitely variable tandem hydrostatic piston pumps, driving two fully reversing hydrostatic motors
Final Drive	Prestressed #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
Axle Size	68,6 mm (2.70 in), heat treated
Wheel Bolts	Eight — 9/16 in. wheel bolts fixed to axle hubs

Control Specifications

Machine Steering	Direction and speed controlled by two hand operated steering levers or optional joystick(s)
Loader Hydraulics: — Lift and Tilt — Front Auxiliary — Rear Auxiliary (If equipped)	 Controlled by separate foot pedals or optional joystick(s) Controlled by electrical switch on Right Hand steering lever or joystick Controlled by electrical switch on Left Hand steering lever or joystick
Auxiliary Pressure Release	Pressure relieved through quick couplers; Push couplers in, hold for 5 seconds
Engine	Hand operated speed control, additional foot operated speed control pedal with SJC option; key-type start switch or keypad and function error shutdown
Service Brake	Two independent hydrostatic systems controlled by two hand operated steering levers or optional joystick(s)
Secondary Brake	One of the hydrostatic transmissions
Parking Brake	Mechanical disc activated by manually operated button on right control panel

S76 Loader Sales Specification

LOADER SPECIFICATIONS (CONT'D)

Hydraulic System Specifications

Pump Type	Engine driven, gear type
Pump Capacity – Standard-Flow	88,1 L/min (23.3 U.S. gpm)
Pump Capacity – High-Flow	114,7 L/min (30.3 U.S. gpm)
System Relief at Quick Couplers	23,8 – 24,5 MPa (238 – 245 bar) (3450 – 3550 psi)
Filter (Main Hydraulic)	Replaceable ß 10(c) ≥ 200 ISO 16889, drop in element
Filter (Charge)	Replaceable ß 12(c) ≥ 200 ISO 16889, spin on element
Filter (Case Drain)	Replaceable ß 20(c) ≥ 200 ISO 16889, spin on element
Filter (Hydraulic Reservoir Vent)	Replaceable 10 micron, thread on cap
Control Valve	3-Spool, open center with electric actuator controlled lift with float and tilt; Electro-hydraulic piloted auxiliary spool
Fluid Lines	SAE Standard tubelines, hoses, and fittings
Fluid Type	BOBCAT FLUID, Hydraulic / Hydrostatic 6903117 – (Two – 2.5 U.S. gal) 6903118 – (5 U.S. gal) 6903119 – (55 U.S. gal)
Hydraulic Function Time: Raise Lift Arms Lower Lift Arms Bucket Dump Bucket Rollback	 4.5 seconds 2.9 seconds 2.2 seconds 1.6 seconds

Hydraulic Cylinder Specifications

Double-acting; lift cylinders have cushioning feature on lower, tilt cylinders have cushioning feature on dump and rollback	BORE	STROKE	ROD
Lift	76,2 mm (3.00 in)	648,5 mm (28.53 in)	44,5 mm (1.97 in)
Tilt	76,2 mm (3.00 in)	344,4 mm (13.56 in)	38,1 mm (1.50 in)

Electrical System Specifications

Alternator	Belt driven, 90 amperes, open frame
Battery	12 volt, 1000 cold cranking amperes @ -18°C (0°F), 186 minute reserve capacity @ 25 amperes
Starter	12 volt, gear type, 2,7 kW (3.62 hp)

S76 Loader Sales Specification

LOADER SPECIFICATIONS (CONT'D)

Fluid Capacities

Fuel	120,0 L (31.7 U.S. gal)
Engine Oil with Filter Change	9,2 L (9.7 qt)
Engine Cooling System with Heater	11,3 L (11.9 qt)
Engine Cooling System without Heater	10,6 L (11.2 qt)
Hydraulic / Hydrostatic Reservoir	18,9 L (20.0 qt)
Hydraulic / Hydrostatic System	51,1 L (13.5 U.S. gal)
Chaincase Reservoir (Total for both chaincases)	37,9 L (10.0 U.S. gal)
Air Conditioning Refrigerant (R-134a)	0,73 kg (1.6 lb)

Tire Specifications

Heavy Duty (Standard)	12.00 – 16.5, 12 Ply Rating
Heavy Duty Offset (If equipped)	12.00 – 16.5, 12 Ply Rating
Heavy Duty Poly Fill (If equipped)	12.00 – 16.5, 12 Ply Rating
Severe Duty (If equipped)	12.00 – 16.5, 12 Ply Rating
Severe Duty Poly Fill (If equipped)	12.00 – 16.5, 12 Ply Rating
Solidflex (If equipped)	33 x 6 x 11
Super Float (If equipped)	33 x 15.5 – 16.5, 12 Ply Rating
Recommended Pressure	Inflate tires to MAXIMUM pressure shown on the sidewall of the tire; DO NOT mix brands of tires used on the same machine

BOBCAT LOADER WARRANTY

Bobcat Company warrants to its authorized dealers and authorized dealers of Bobcat Equipment Ltd., who in turn warrant to the owner, that each new Bobcat loader with a delivery date on or after January 1, 2019 will be free from proven defects in material and workmanship with respect to (i) all components of the product except as otherwise specified herein for twenty-four (24) months, or a total of 2000 hours of use, whichever occurs first, (ii) the drive belt from the hydrostatic pump to the engine, for thirty six (36) months, provided that after the initial twenty-four (24) month warranty period, such warranty shall be limited to parts only and does not include labor, (iii) tracks and Bobcat brand tires, for twelve (12) months on a prorated basis based on the remaining depth of the track or tire at the time any defect is discovered, (iv) Bobcat brand batteries, for an initial twelve (12) month warranty period and for an additional twelve (12) months thereafter, Bobcat Company shall reimburse a fixed portion of the cost of replacing the battery as designated by Bobcat in the event of a proven defect and (v) auxiliary hydraulic quick couplers for six (6) months or 200 hours of use, whichever occurs first. The foregoing time periods shall all commence after delivery by the authorized Bobcat dealer to the original buyer.

During the warranty period, the authorized Bobcat dealer shall repair or replace, at Bobcat Company's option, without charge for parts and labor, any part of the Bobcat product except as otherwise specified herein which fails because of defects in material or workmanship. The owner shall provide the authorized Bobcat dealer with prompt written notice of the defect and allow reasonable time for repair or replacement. Bobcat Company may, at its option, require failed parts to be returned to the factory. Travel time of mechanics and transportation of the Bobcat product to the authorized Bobcat dealer for warranty work are the responsibility of the owner. The remedies provided in this warranty are exclusive.

This warranty does not cover replacement of scheduled service items such as oil, filters, tune-up parts, and other high-wear items. This warranty does not cover damages resulting from abuse, accidents, alterations, use of the Bobcat product with any accessory or attachment not approved by Bobcat Company, air flow obstructions, or failure to maintain or use the Bobcat product according to the instructions applicable to it.

THIS WARRANTY IS EXCLUSIVE AND IN LIEU OF ALL OTHER WARRANTIES AND CONDITIONS, EXCEPT THE WARRANTY OF TITLE. BOBCAT COMPANY DISCLAIMS ALL OTHER WARRANTIES AND CONDITIONS, EXPRESS OR IMPLIED, INCLUDING ANY IMPLIED WARRANTIES OR CONDITIONS OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. IN NO EVENT SHALL BOBCAT COMPANY OR THE AUTHORIZED BOBCAT DEALER BE LIABLE FOR ANY SPECIAL, INCIDENTAL, INDIRECT OR CONSEQUENTIAL DAMAGES WHATSOEVER, INCLUDING, BUT NOT LIMITED TO, LOSS OR INTERRUPTION OF BUSINESS, LOST PROFITS, OR LOSS OF MACHINE USE, WHETHER BASED ON CONTRACT, WARRANTY, TORT, NEGLIGENCE, STRICT LIABILITY, STATUTE OR OTHERWISE, EVEN IF BOBCAT COMPANY OR THE AUTHORIZED BOBCAT DEALER HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES. THE TOTAL LIABILITY OF BOBCAT COMPANY AND THE AUTHORIZED BOBCAT DEALERS WITH RESPECT TO THE PRODUCT AND SERVICES FURNISHED HEREUNDER SHALL NOT EXCEED THE PURCHASE PRICE OF THE PRODUCT UPON WHICH SUCH LIABILITY IS BASED.

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THIS WARRANTY IS EXCLUSIVE AND IN LIEU OF ALL OTHER WARRANTIES AND CONDITIONS, EXCEPT THE WARRANTY OF TITLE. BOBCAT COMPANY DISCLAIMS ALL OTHER WARRANTIES AND CONDITIONS, EXPRESS OR IMPLIED, INCLUDING ANY IMPLIED WARRANTIES OR CONDITIONS OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. IN NO EVENT SHALL BOBCAT COMPANY OR THE AUTHORIZED BOBCAT DEALER BE LIABLE FOR ANY SPECIAL, INCIDENTAL, INDIRECT OR CONSEQUENTIAL DAMAGES WHATSOEVER, INCLUDING, BUT NOT LIMITED TO, LOSS OR INTERRUPTION OF BUSINESS, LOST PROFITS, OR LOSS OF MACHINE USE, WHETHER BASED ON CONTRACT, WARRANTY, TORT, NEGLIGENCE, STRICT LIABILITY, STATUTE OR OTHERWISE, EVEN IF BOBCAT COMPANY OR THE AUTHORIZED BOBCAT DEALER HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES. THE TOTAL LIABILITY OF BOBCAT COMPANY AND THE AUTHORIZED BOBCAT DEALERS WITH RESPECT TO THE PRODUCT AND SERVICES FURNISHED HEREUNDER SHALL NOT EXCEED THE PURCHASE PRICE OF THE PRODUCT UPON WHICH SUCH LIABILITY IS BASED.

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