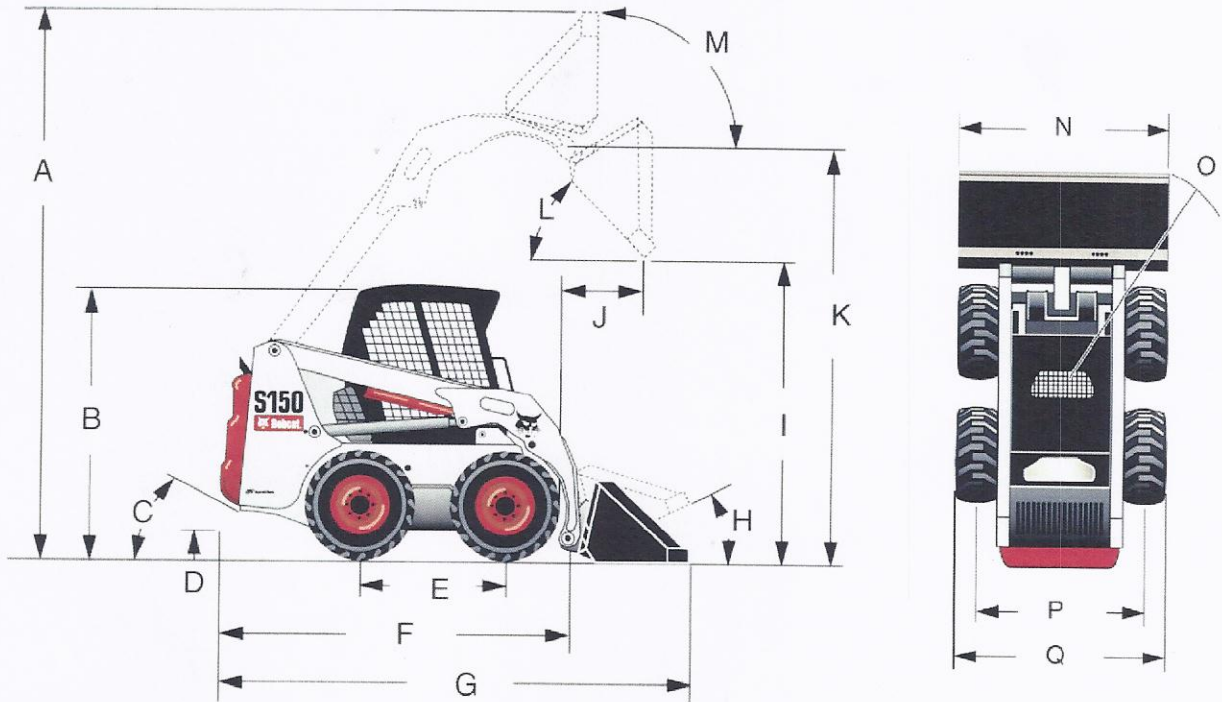


S150 SKID-STEER LOADER SPECIFICATIONS

DIMENSIONS



A) Operating Height	148.0" (3759 mm)	N) Width (over bucket)	
B) Height with Operator Cab	76.3" (1938 mm)	62" Bucket	62.0" (1575 mm)
C) Angle of Departure	23°	68" Bucket	68.0" (1727 mm)
D) Ground Clearance	7.5" (191 mm)	74" Bucket	74.0" (1880 mm)
E) Wheelbase	40.6" (1030 mm)	O) Turning Radius with Standard Bucket	82.4" (2093 mm)
F) Length without Attachment	101.8" (2586 mm)	Rear Clearance of Machine	62.2" (1579 mm)
G) Length with Standard Bucket	130.3" (3309 mm)	P) Wheel Tread	
H) Rollback @ Carry Position	26°	10-16.5	55.1" (1400 mm)
I) Dump Height with Standard Bucket	86.5" (2197 mm)	10-16.5 with offset rims	48.5" (1232 mm)
J) Dump Reach @ Maximum Height	18.13" (461 mm)	31.5x13-16.5	58.4" (1483 mm)
K) Height to Bucket Hinge Pin	114.5" (2908 mm)	Q) Width (over tires)	
L) Dump Angle @ Maximum Height	44°	10-16.5	66.0" (1676 mm)
M) Rollback Fully Raised		10-16.5 with offset rims	60.0" (1524 mm)
@ Maximum Height	92°	31.5x13-16.5	71.6" (1818 mm)
Carry Position	9.0" (229 mm)		

PERFORMANCE

Rated Operating Capacity (SAE J732)	1500 lbs. (680 kg)
Rated Operating Capacity with Counterweight option	1600 lbs. (726 kg)
Tipping Load (SAE)	3101 lbs. (1407 kg)
Operating Weight (SAE)	5935 lbs. (2692 kg)
Travel Speed	7.3 mph (11.8 km/hr)
Lift Breakout Force (SAE)	3200 lbs. (1451 kg)
Tilt Breakout Force (SAE)	3050 lbs. (1383 kg)
Push Force	3950 lbs. (1792 kg)

ENGINE/ELECTRICAL

Make/Model	Kubota/V2403-MDI-E3
Fuel/Cooling	Diesel/Liquid
Horsepower (SAE Gross)	49 HP (36 kW)
Maximum Governed RPM	2700 RPM
Torque (SAE Net)	109.6 ft-lbs. (148,60 Nm) @ 1650 RPM
Number of Cylinders	4
Displacement	148.5 cu. in. (2,4 L)
Bore/Stroke	3.43/4.03 in. (87/102 mm)
Fuel Consumption	1.8 gph (6,8 L/h)
	Estimated fuel consumption is based on testing by Bobcat Company in high duty cycle digging applications.
Lubrication	Gear Pump Pressure
Crankcase Ventilation.....	Closed, breathing
Air Cleaner	Dry replaceable paper cartridge with safety element
Ignition	Compression (Diesel)
Engine Coolant	Propylene glycol/water mix (53%-47%) with freeze protection to -34 °F (-37 °C)
Starting Aid	Glow plugs
Alternator	90 amps; ventilated with internal regulator
Battery	12 volt; 600 cold cranking amps @ 0 °F (-18 °C); 115 minute reserve capacity @ 25 amps
Starter	12 volt, gear reduction type; 3.62 HP (2,7 kW)

HYDRAULIC SYSTEM

Pump Type	Engine driven, gear type
Pump Capacity	
Standard.....	16.9 GPM (64 L/min) @ 3135 RPM
System Relief @ Quick Couplers...	3300 PSI (228 Bar)
Hydraulic Filter	Full flow replaceable, 3 micron synthetic media element
Hydraulic Cylinders	Double-acting; Tilt cylinders have cushioning feature on dump
Control Valve	3-Spool, open center type with spring detent on lift. Electric solenoid valves for auxiliary
Fluid Type.....	Bobcat Hydraulic/Hydrostatic Fluid (P/N 6563328) Motor oil is not an acceptable alternative fluid
<i>Bore Diameter</i>	
Lift Cylinder (2)	2.50 in. (63,5 mm)
Tilt Cylinder (2)	2.75 in. (69,8 mm)
<i>Rod Diameter</i>	
Lift Cylinder (2)	1.50 in. (38,1 mm)
Tilt Cylinder (2)	1.375 in. (34,9 mm)
<i>Stroke</i>	
Lift Cylinder (2)	23.67 in. (601 mm)
Tilt Cylinder (2)	13.19 in. (335,0 mm)
<i>Hydraulic Function Times</i>	
Raise Lift Arms	3.3 Seconds
Lower Lift Arms	2.2 Seconds
Bucket Dump	2.5 Seconds
Bucket Rollback	1.9 Seconds

DRIVE SYSTEM

Main Drive	Fully hydrostatic, 4-wheel drive
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
Axle Size	2.00 in. (50,8 mm), heat treated
Wheel Bolts	(8) 9/16 in. wheel bolts fixed to axle hubs

CAPACITIES

Fuel Tank	24 gals. (90,8 L)
Cooling System without heater	11.0 qts. (10,4 L)
Engine Oil with Filter	9.5 qts. (9,0 L)
Hydraulic Reservoir	4.8 gals. (18,2 L)
Hydraulic/Hydrostatic System	8.5 gals. (32,2 L)
Transmission (Final Drive)	9 gals. (34,1 L)

CONTROLS

Vehicle Steering	Direction and speed controlled by two hand levers
Loader Hydraulics	
Lift & Tilt	Controlled by separate foot pedals or optional Advanced Control System (ACS) or optional Selectable Joystick Controls (SJC)
Front Auxiliary (Std.)	Controlled by electrical switch on Right Hand steering lever
Rear Auxiliary (Opt.)	Controlled by electrical switch on Left Hand steering lever
Auxiliary Pressure Release	Pressure is relieved through the coupler block, push in and hold for five seconds
Engine	Hand lever throttle; key-type starter switch and shutdown
Starting Aid	Glow Plugs – automatically activated by Standard or Deluxe Instrument Panel
Service Brake	Two independent hydrostatic systems controlled by two hand operated steering levers
Secondary Brake	One of the hydrostatic transmissions
Parking Brake	Mechanical disc, hand operated rocker switch on dash panel

SERVICEABILITY

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

- Air cleaner
- Alternator
- Battery
- Cooling system (radiator and hydraulic oil cooler) for cleaning
- Engine oil and fuel filters
- Engine oil drain and dipstick
- Fuel fill
- Hydraulic oil fill
- Starter

- Axle hubs provide protection for the axle seals
 - Bobtach pivots have replaceable wear bushings
 - 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
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