

Bobcat S450

Engine

Emissions Tier (EPA)	Tier 4
Engine Cooling	Liquid
Engine Fuel	Diesel
Horsepower	49 hp
Turbocharged Engine	×
Engine Model	2.4 L T4 V2 Bobcat Engine
Engine Make	Bobcat
Cooling System	0.8 gal
Gross HP	49 hp
Net HP	46.5 hp
Number of Cylinders	4
Displacement	146 in ³
Maximum Governed RPM	2,600 rpm
Torque (SAE NET)	134.2 ft·lbf
Torque RPM	1,800 rpm
Starter Horsepower	4.3 hp

Performance

Rated Operating Capacity (ISO)	1,370 lb
Tipping Load	2740 lb
Operating Weight	5370 lb
Travel Speed	7.6 mph
Travel Speed (2- speed option)	9.2 mph
Bucket Breakout Force	3,918 lbf
Lift Breakout Force (ISO)	3,056 lbf

Capacities

Fuel Tank	14.2 gal
Engine Oil with Filter	9.1 qt_liq_us
Hydraulic Reservoir	1.4 gal
Hyd System Capacity	5.5 gal
Transmission (Final Drive)	5.5 gal

Hydraulic System

System Relief @ Quick Couplers	3,300 psi
Auxiliary Std Flow	16.7 gal/ min
Auxiliary High Flow	n/ a
Pump Capacity	16.7 gal/ min
Raise Lift Arm	2.5 s
Lower Lift Arm	2 s
Bucket Dump	1.8 s
Bucket Rollback	1.5 s

General

Contract Codes	Skid- Steer Loader
First Year of Production	2020

Controls

Vehicle Steering	Dual Levers
Hydraulic (Lift and Tilt)	Dual Pedals
Control Option	SJC
Auxiliary Hydraulics Type	Finger Tip Control

Dimension

🐺 Bobcat.

Length without Attachment	98.4 in
Length with Standard Bucket	124.9 in
Width	58.6 in
Width (with bucket)	62 in
Height	77.8 in
Height with Operator Cab	77.8 in
Height to Bucket Hinge Pin	109.5 in
Reach @ Maximum Height	20.8 in
Turning Radius	76.4 in
Wheelbase	35.4 in
ROC with Counterweight Option	1430 lb
Dump Angle @ Maximum Height	40°
Ground Clearance	8.4 in

Features

Air Conditioning×Adjustable SeatBackup AlarmBitCS System (Interdok)Gab Enclosure×Sound Option×Cab Enclosure×Parking Brake×Rear Window×Rear Window×Sast Belt×Suspension Seat×Two Speed Travel×Deluxe Instrumentation×High Flow OptionHigh Flow OptionAuxilary HydraulicsSpark Arrestor WufflerBob- Tach Hufter×Arrestor MufflerPower Bob- Tach Hufter×AGS (Switchable Controls)×Rear Hydraulics×Horn×Horn×Horn×Horn×Horn×Horn×Horn×Horn×Horn×Horn×Horn×Horn×Horn×Horn×Horn×Horn×Horn×	Joystick Control	×
Adjustable SeatImage: constraint of the seatBicSkup AlarmImage: constraint of the seatBicSkystem (Interlock)Image: constraint of the seatCab InclosureImage: constraint of the seatSound OptionImage: constraint of the seatCab HeaterImage: constraint of the seatOperating LightsImage: constraint of the seatParking BrakeImage: constraint of the seatRadioImage: constraint of the seatRadioImage: constraint of the seatTop WindowImage: constraint of the seatTop WindowImage: constraint of the seatSuspension SeatImage: constraint of the seatSuspension SeatImage: constraint of the seatPolace InstrumentationImage: constraint of the seatHydraulicsImage: constraint of the seatHydraulicsImage: constraint of the seatPower Bob-Tach *Image: constraint of the seatAcS (switchable Controls)Image: constraint of the seatRadio HydraulicsImage: constraint of the seat </td <td></td> <td>×</td>		×
Backup AlarmImage: Construction of the section of the se		
BICS System (Interlock)Cab Enclosure×Sound Option×Cab Heater×Operating Lights•Parking Brake•Radio×Radio•Top Window•Lift-Arm Support•Seat Belt×Sourd Spear Tavel×Deluve Instrumentation×Hydraulic Bucket Positioning•Hydraulic Sucket Positioning•Sob- Tach Artestor Muffler•Power Bo- Tach*×Power Bo- Tach*×Reide Controls)×Reide Control×Reide Control×Reider Mufdaulics×Reide Control×Reide Control×Reide Control×Reider Muffler×Reider Muffler× <td></td> <td>•</td>		•
Cab EnclosureSound OptionCab HaterCab HaterOperating LightsParking BrakeRadioRadroRear WindowTop WindowLift-Arm SupportSeat BeltSupension SeatToy Speed TravelDeluve InstrumentationHydraulic Bucket PositioningHydraulic Sucket PositioningSob-Tach *Power Bob-Tach *Acs (Switchable Controls)Rear HydraulicsRear Hydraulics <td></td> <td></td>		
Cab Heater×Operating LightsParking BrakeRadio×Rear WindowTop WindowLift-Arm SupportSeat BeltSuspension Seat×Two Speed Travel×Deluxe Instrumentation×High Flow OptionAuxiliary HydraulicsSpark Arrestor MufflerBob- Tach Attachment System *Power Bob- Tach *ACS (Switchable Controls)Rear HydraulicsRear HydraulicsRear HydraulicsArestor MufflerPower Bob- Tach *Arestor MufflerRear HydraulicsRear Hydraulics <td></td> <td>×</td>		×
Operating LightsParking BrakeRadioRadioRear WindowTop WindowLift- Arm SupportSeat BeltSuspension SeatTov Speed TravelDeluxe InstrumentationHydraulics Rucket PositioningHydraulics NurferSpark Arrestor MufflerBob- Tach Attachment System *Power Bob- Tach *Ride ControlRear HydraulicsRear	Sound Option	×
Parking BrakeRadioRear WindowTop WindowTop WindowLift- Arm SupportSeat BeltSuspension SeatTwo Speed TravelDeluxe InstrumentationHydraulic Bucket PositioningHydraulicsSpark Arrestor MufflerBob- Tach Attachment System *Power Bob- Tach *AcS (Switchable Controls)Rear HydraulicsRear Hydraulics <tr< td=""><td>Cab Heater</td><td>×</td></tr<>	Cab Heater	×
RadioRear WindowTop WindowTop WindowLift- Arm SupportSeat BeltSuspension SeatTwo Speed TravelDeluxe InstrumentationHydraulic Bucket PositioningHydraulic Bucket PositioningSpark Arrestor MufflerBob- Tach Attachment System *Power Bob- Tach *Red ControlRear HydraulicsRear Hydraulics </td <td>Operating Lights</td> <td>•</td>	Operating Lights	•
Rear WindowTop WindowLift- Arm SupportSeat BeltSuspension SeatTwo Speed TravelDeluxe InstrumentationEngine ShutdownHydraulic Bucket PositioningAuxiliary HydraulicsSpark Arrestor MufflerBob- Tach Attachment System *Power Bob- Tach *ACS (Switchable Controls)Rear HydraulicsRear HydraulicsKide ControlKide ControlRear HydraulicsRear HydraulicsKide ControlKide ControlKide ControlKare HydraulicsKide ControlKide Control <td>Parking Brake</td> <td>•</td>	Parking Brake	•
Top WindowLift- Arm SupportSeat BeltSuspension SeatTwo Speed TravelTwo Speed TravelDeluxe InstrumentationEngine ShutdownHydraulic Bucket PositioningAuxiliary HydraulicsSpark Arrestor MufflerBob- Tach Attachment System *Power Bob- Tach *ACS (Switchable Controls)Rear HydraulicsKart HydraulicsRear HydraulicsSpark Arrestor MufflerSober Tach *Strestor MufflerStrestor Muffler<	Radio	×
Life Arm SupportSeat BeltSuspension SeatSuspension SeatTwo Speed TravelDeluxe InstrumentationEngine ShutdownHydraulic Bucket PositioningHigh Flow OptionAuxiliary HydraulicsSpark Arrestor MufflerBob- Tach Attachment System *Power Bob- Tach *ACS (Switchable Controls)Rear HydraulicsKear HydraulicsK	Rear Window	•
Seat BeltSuspension SeatTwo Speed TravelTwo Speed TravelDeluxe InstrumentationEngine ShutdownHydraulic Bucket PositioningHydraulic Bucket PositioningAuxiliary HydraulicsSpark Arrestor MufflerBob- Tach Attachment System*Power Bob- Tach*ACS (Switchable Controls)Rear HydraulicsStart HydraulicsStart HydraulicsStart HydraulicsStart Arrestor MufflerStart Arrestor System*Start Attachment System*Start Attachment System*Start Arrestor System System*Start Arrestor System System*Start Attachable ControlsStart HydraulicsStart Hydrau	Top Window	
Suspension SeatSuspension SeatTwo Speed TravelTwo Speed TravelDeluxe InstrumentationEngine ShutdownHydraulic Bucket PositioningHydraulic Bucket PositioningAuxiliary HydraulicsSpark Arrestor MufflerBob- Tach Attachment System *Power Bob- Tach *ACS (Switchable Controls)Ride ControlRear HydraulicsStart HydraulicsSuppose Spark Arrestor Spark Arresto	Lift- Arm Support	•
Two Speed TravelXDeluxe InstrumentationXEngine ShutdownImage: ShutdownHydraulic Bucket PositioningImage: ShutdownHigh Flow OptionImage: ShutdownAuxiliary HydraulicsImage: ShutdownSpark Arrestor MufflerImage: ShutdownBob- Tach Attachment System*Image: ShutdownPower Bob- Tach*Image: ShutdownRide ControlImage: ShutdownRear HydraulicsImage: ShutdownRear HydraulicsImage: ShutdownState ShutdownImage: ShutdownShutdownImage:	Seat Belt	
Deluxe InstrumentationXEngine ShutdownImage: Control StructureHydraulic Bucket PositioningImage: Control StructureHydraulic Bucket PositioningImage: Control StructureHigh Flow OptionImage: Control StructureAuxiliary HydraulicsImage: Control StructureBob- Tach Attachment System *Image: Control StructurePower Bob- Tach *Image: Control StructureRear HydraulicsImage: Control StructureRear HydraulicsImage: Control Structure	Suspension Seat	×
Engine ShutdownImage: Constraint of the second	Two Speed Travel	×
Hydraulic Bucket Positioning×High Flow Option□Auxiliary Hydraulics□Spark Arrestor Muffler■Bob- Tach Attachment System *■Power Bob- Tach *□ACS (Switchable Controls)□Ride Control×Rear Hydraulics×	Deluxe Instrumentation	×
High Flow Option□Auxiliary Hydraulics■Spark Arrestor Muffler■Bob- Tach Attachment System *■Power Bob- Tach *■ACS (Switchable Controls)□Ride Control×Rear Hydraulics×	Engine Shutdown	•
Auxiliary HydraulicsImage: Constraint of the second se	Hydraulic Bucket Positioning	×
Spark Arrestor MufflerImage: Constraint of the system *Bob- Tach Attachment System *Image: Constraint of the system *Power Bob- Tach *XACS (Switchable Controls)Image: Constraint of the system of the syste	High Flow Option	
Bob- Tach Attachment System *Power Bob- Tach *ACS (Switchable Controls)Ride ControlRear Hydraulics	Auxiliary Hydraulics	• • • • • • • • • • • • • • • • • • •
Power Bob- Tach * × ACS (Switchable Controls) □ Ride Control × Rear Hydraulics ×	Spark Arrestor Muffler	-
ACS (Switchable Controls) □ Ride Control × Rear Hydraulics ×	Bob- Tach Attachment System *	• • • • • • • • • • • • • • • • • • •
Ride Control × Rear Hydraulics ×	Power Bob- Tach *	×
Rear Hydraulics ×	ACS (Switchable Controls)	
	Ride Control	×
Horn	Rear Hydraulics	×
	Horn	 Image: A set of the set of the

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 equipment will vary based on normal variations in design, manufacturing, operating conditions, and other factors.