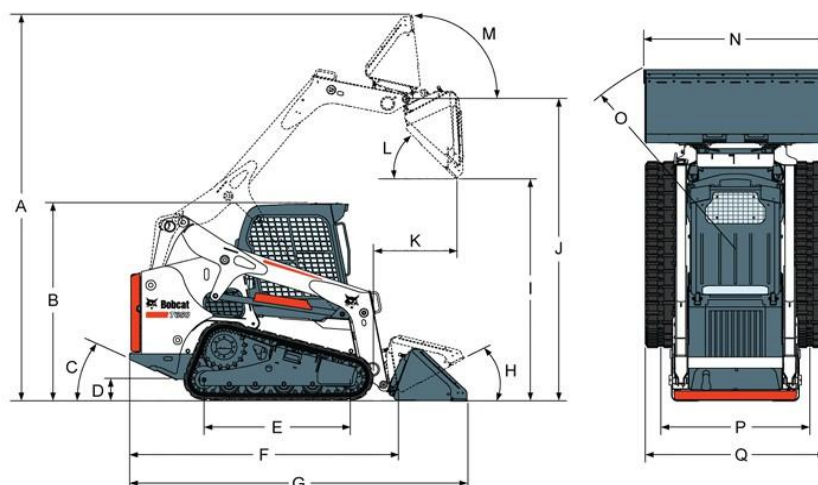




Dimensions

Dimensions



(A) Operating height	4025 mm
(B) Height with operator cab	2065 mm
(C) Angle of departure	29 Deg.
(D) Ground clearance	239 mm
(E) Ground contact length	1464 mm
(F) Length without attachment	2754 mm
(G) Length with standard bucket	3475 mm
(H) Rollback at ground position	29 Deg.
(I) Dump height with standard bucket	2489 mm
(J) Height to bucket hinge pin	3149 mm
(K) Dump reach at maximum height	915 mm
(L) Dump angle at maximum height	38 Deg.
(M) Rollback fully raised at maximum height	97 Deg.
(N) Width with standard bucket	2032 mm
(O) Turning radius with standard bucket	2185 mm
(P) Track, 450 mm tracks	450 mm
(Q) Width over tracks, 450 mm tracks	1981 mm

Hydraulic Cylinders

Tilt cylinder stroke	349.0 mm
Tilt cylinder type	Double-acting with cushioning feature on dump and rollback
Lift cylinder bore	76.2 mm
Lift cylinder type	Double-acting
Tilt cylinder bore	76.2 mm
Lift cylinder rod	44.5 mm
Lift cylinder stroke	633.2 mm
Tilt cylinder rod	38.1 mm

Cycle Times

Bucket rollback	2.9 s
Lower lift arms	3.0 s
Raise lift arms	4.2 s
Bucket dump	2.9 s

Hydraulic System

Fluid lines	SAE standard tubelines, hoses, and fittings
Hydraulic filter	Full-flow replaceable 10m synthetic media element
System relief at quick couplers	24.5 MPa
Pump capacity	87.1 L / min
Pump capacity (with high flow option)	115.5 L / min
Control valve	Three-spool, open-centre type with float detent on lift and electrically controlled auxiliary spool
Pump type	Engine driven, gear type

Drive System

Main drive	Fully hydrostatic; four-wheel drive
Tracks	320mm width. Tension-grease cylinder and triple-flange spring rollers
Gradeability	
Axle size	50.3mm, heat treated. Axle tubes welded to chaincase. Labyrinth axle seal protection.
Wheel bolts	Eight 9/16inch wheel bolts fixed to axle hubs
Transmission	Infinitely variable tandem hydrostatic piston pumps, driving two fully reversing hydrostatic motors
Final drive chains	Pre-stressed #80HSOC 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.

Traction

Max. travel speed - Low (Optional)	9.8 km/h
Max. travel speed - High (Optional)	14.1 km/h

Brakes

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

Cooling system with heater	11.8 L
Cooling system without heater	11.4 L
Hydraulic / Hydrostatic reservoir	10.2 L
Fuel tank	165.8 L
Cooling recovery bottle	2.8 L
Hydraulic / Hydrostatic system	45 L
Engine oil with filter	8.6 L

Fluid Specifications

Engine oil	Refer to temperature range anticipated before next oil_x000D_change.
Hydraulic fluid	Bobcat Bio Hydraulic, 5 L can - 6904843A, 25 L container - 6904843B, 209 L drum - 6904843C, 1000 L tank - 6904843D
Engine coolant	5 L can - 6904844A, 25 L container - 6904844B, 209 L drum - 6904844C, 1000 L tank - 6904844D

Controls

Service brake	Two independent hydrostatic systems controlled by two hand operated steering levers or optional joystick(s) (SJC)
Auxiliary pressure release	Pressure is relieved through the coupler block. Push in and hold for 5s.
Vehicle steering	Hand Levers or optional Selectable Joystick Controls (SJC)
Front auxiliary (standard)	Proportional switch on Hand Levers or optional Selectable Joystick Controls (SJC)
Loader hydraulics tilt and lift	Foot Pedals or optional Selectable Joystick Controls (SJC)
Starting	Keyless start. Glow plugs automatically activated.
Parking brake, two-speed option	Spring applied, pressure released multi-disk brake activated by rocker switch
Engine	Hand throttle or optional foot accelerator pedal (SJC)
Rear auxiliary (optional)	Electrical switch on left-hand steering lever or joystick (SJC)

Safety

Parking brake, standard	Always set brake when leaving loader.
Attachment steps, standard	Should always be used when entering/exiting loader.
Bobcat Interlock Control System (BICS), standard	Requires the operator to be seated in the loader with the seat bar in place and the engine running. After the operator presses the Press to Operate Loader button, the loader's hydraulic lift and tilt functions and traction drive can be operated.
Back-up alarm, optional	For use in areas with high traffic
Front and rear work lights, standard	Use for indoor and low light operation.
Operator handbook, standard	Weather-resistant operator handbook attached to the inside of the cab, providing operational instructions and warnings decals with pictorials and international symbols.
Seat bar, standard	Secondary operator restraint, also serves as an arm rest.
Seat belt, standard	Should always be worn when operating the loader. Three-point shoulder belt provides restraint for high range speeds.
Lift arm support, standard	Use for servicing when lift arms are raised.
Lift kits, optional	Lift kits are available so loader may be lifted into remote areas.
Special applications kit, optional	Restricts objects and material from entering cab openings.
Operator cab, standard	An enclosed operator cab with side screens with a minimal inside cab width of 838mm. Meets SAE-J1040 and ISO 3471 for Roll Over Protective Structure (ROPS) and SAE-J1043 and ISO 3449 Level I * for Falling Objects Protective Structure (FOPS). Level II ** option is available.
Safety tread, standard	Slip resistant tread on lift arms and main frame to be used when entering/exiting loader.
Grab handles, standard	Should always be used when entering/exiting loader.
Rear window, standard	For emergency exit.
Lift arm bypass control, standard	Used to lower the lift arms in the event that the lift arms cannot be lowered during normal operating conditions.

Electrical

Battery	12 V BCI group 31 - 1000 A cold cranking at -18C - 231 min reserve capacity at 25 A
Starter	12 V gear type 3.2 kW (4.29 HP)
Alternator	90 A open frame with internal regulator
Ignition Switch	Activates starter and instrumentation. Traction lock, lift lock, and tilt lock

Engine

Air filter	Dry replaceable cartridge with safety element
Displacement	2392 cm3
Stroke	94 mm
Fuel	Ultra low sulfur diesel no. 1 or 2
Ignition	Diesel-compression
Compliance	Stage V (V)
Rated power speed	2600 rpm
Lubrication	Gear pump pressure with filter
Bore	90 mm
Cooling	Liquid
Maximum power at rated speed (ISO 14396)	55.3 kw
Make / Model	HD HYUNDAI INFRACORE / 2.4L BOBCAT ENGINE
Maximum torque at rated speed (SAE J1995)	283.9 nm NEWTON-M
Crankcase ventilation	Closed breathing
Rated torque speed	1800 rpm
Number of cylinders	4

Weights

Shipping Weight	3829 kg
Operating Weight	4315 kg

Options

Factory Options

- Deluxe pressurized cab with heating
- Deluxe pressurized cab with HVAC
- Selectable Joystick Controls (SJC - R/C Ready)
- Cloth Suspension Seat
- High-flow auxiliary hydraulics
- Hydraulic bucket positioning (including ON/OFF switch)
- 7-pin attachment control
- 2 Speed
- Power Bob-Tach™
- Back-up alarm
- Radio
- Beacon
- Work Lights LED
- Road Option
- Automatic Ride Control
- Automatic Reversing Fan
- Custom paint color (min order of 5 units)

Dealer Installed Options

- Special applications front door kit
- 200 lbs (74.4 kg) counterweight kit
- Front axle counterweight kit
- Fuel cap locking kit

- Deluxe instrument panel
- Replacement Bob-Tach™
- Fresh air heater kit
- Front door kit
- Door sensor kit
- Plumbing kit for fresh air heater
- Back up alarm kit
- FOPS kit **
- Single-point lift kit
- Power Bob-Tach™ kit
- Operator cab, CE, enclosure kit
- 7-pin attachment control
- Four-point lift kit
- Rear auxiliary hydraulic kit
- Engine block heater kit
- Road kit
- Bucket positioning kit
- Keyless kit
- Rear window wiper kit
- 14-pin attachment control kit
- 4-Way flasher kit
- 80 mm Suspension seat kit
- Cup holder kit
- Headlight guard kit
- Muffler guard kit
- Tail light guard kit
- Cab enclosure kit

Instrumentation

Standard Instrument Panel

- Gauges
 - Engine coolant temperature
 - Fuel
- Indicators
 - Bobcat Interlock Control System
 - Engine preheat
 - Two speed
 - Turn signals
- Warning lights
 - Parking brake
 - Hydraulic oil temperature
 - Engine oil pressure
 - Hydraulic oil pressure
 - Engine coolant temperature
 - Fuel level
 - General warning
 - Seat belt
 - Seatbar down
 - Engine malfunction

- Hydraulic system malfunction
- Lift and tilt valve, hydraulics lock-out
- Rocker switch
- Parking brake
- Alarm
- Beep when error, warning or shutdown condition exists
- 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

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
 - Auto Idle
 - DPF Management
 - 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
 - DPF Regeneration
 - HEST Lamp
 - Inhibit DPF Regeneration
 - Forced Parked Regeneration
 - 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
- 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

Attachments

- Auger Accessories
- Augers
- Backhoes
- Bale Forks
- Box Blades
- Breaker Accessories
- Breakers
- Brush Saws
- Brushcat™ Rotary Cutters
- Combination Buckets
- Concrete Mixers
- Construction / Industrial Buckets
- Diggers
- Dozer Blades
- Drop Hammers
- Dumping Hoppers
- Flail Cutters
- Graders
- Grapples, Industrial
- Landplanes
- Landscape Rakes
- Laser Equipment
- Low Profile Buckets
- Miscellaneous
- Mixing Buckets
- Mowers
- Pallet Fork Accessories
- Pallet Forks, Hydraulic
- Planer Accessories

- Planers
- Rear Stabilizers
- Remote Control
- Root Grapples
- Scarifiers
- Scrapers
- Seeders
- Skeleton Buckets
- Snow Blades
- Snow Pushers
- Snow V-Blades
- Sod Layers
- Soil Conditioners
- Spreader
- Spreaders
- Steel Tracks
- Stump Grinders
- Sweepers
- Tillers
- Tilt-Tatch
- Tree Transplanters
- Trench Compactors
- Utility Forks
- Utility Frames
- Vibratory Rollers
- Wood Chippers

Standard Features

- 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
- Noise reduction kit
- Operating lights, front and rear
- Deluxe instrument panel
- Suspension seat
- Seat belt
- Seat bar
- 12 x 16.5, Versatile duty tyres
- Bob-Tach™ frame
- Cushioned lift and tilt cylinders
- Lift arm support
- Engine/hydraulics system shutdown
- Spark Arrester
- Automatically activated glow plugs
- Electrically activated proportional front auxiliary hydraulics
- Auxiliary hydraulics: variable flow/maximum flow
- Machine IQ (telematic)
- Manual
- CE certification
- Warranty: 24 months or 2000 hours (whichever occurs first)
- Bobcat Interlock Control System (BICS)

- Parking brake
- Deluxe operator cab* Includes interior cab foam, side, top and rear windows, Deluxe wire harness, dome light and electrical power port

B7SV (11001 — B7SV 99999) •

Specifications are subject to change without notice - Pictures of Bobcat units may show other than standard equipment