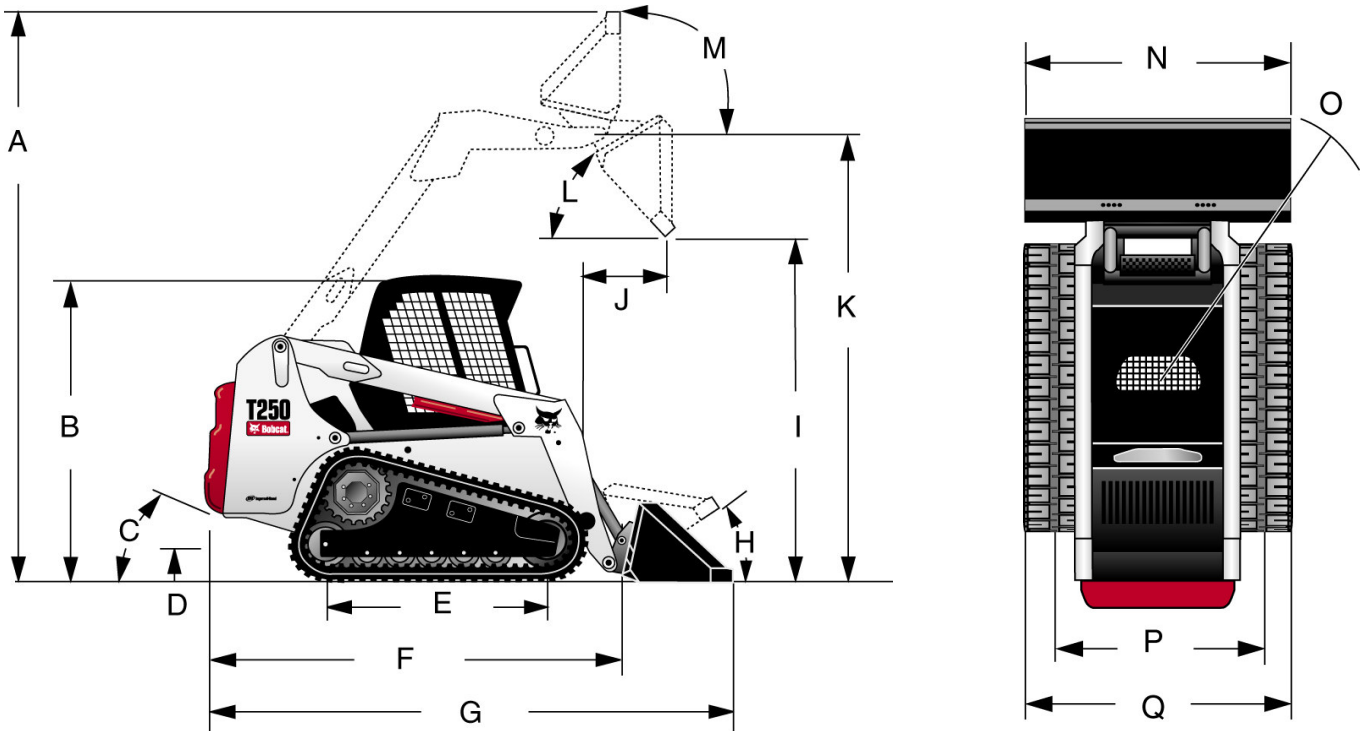


# T250 COMPACT TRACK LOADER SPECIFICATIONS

## DIMENSIONS



A) Operating Height .....	156.6" (3978 mm)	N) Width (over bucket)	
B) Height with Operator Cab .....	80.9" (2055 mm)	74 in. Bucket .....	74.0" (1880 mm)
C) Angle of Departure .....	25°	80 in. Bucket .....	80.0" (2032 mm)
D) Ground Clearance .....	8.7" (221 mm)	O) Turning Radius	
E) Ground Contact Length .....	63.7" (1618 mm)	with Standard Bucket .....	82.4" (2093 mm)
F) Length without Attachment .....	114.9" (2918 mm)	Rear Clearance of Machine .....	68.2" (1732 mm)
G) Length with Standard Bucket .....	142.9" (3630 mm)	P) Track Tread	
H) Rollback @ Ground .....	30°	12.6 in. Tracks .....	60.3" (1532 mm)
I) Dump Height with Standard Bucket ..	95.4" (2423 mm)	18 in. Tracks .....	60.3" (1532 mm)
J) Dump Reach @ Maximum Height ....	23.8" (605 mm)	Q) Track (width over track)	
K) Height to Bucket Hinge Pin .....	122.4" (3109 mm)	12.6 in. Tracks .....	72.0" (1829 mm)
L) Dump Angle @ Maximum Height .....	41.1°	18 in. Tracks .....	78.0" (1981 mm)
M) Rollback Fully Raised			
@ Maximum Height .....	97°		
Carry Position .....	9.3" (235 mm)		

## PERFORMANCE

Rated Operating Capacity (ISO 14397 - no more than 35% of Tipping Load) .....	2500 lbs. (1135 kg)
Rated Operating Capacity (35% of Tipping Load) - Roller Suspension .....	2300 lbs. (1043 kg)
*Rated operating capacity (ROC) @ 35% of Tipping Load complies with ISO 14397-1 and SAE J 818 for crawler loaders.	
Operating Capacity (ISO 14397 - no more than 50% of Tipping Load) .....	3679 lbs. (1669 kg)
Operating Capacity (50% of Tipping Load) - Roller Suspension .....	3296 lbs. (1495 kg)
Tipping Load (ISO 14397-1) .....	7358 lbs. (3338 kg)
Tipping Load - Roller Suspension .....	6592 lbs. (2990 kg)
Operating Weight (SAE) .....	9347 lbs. (4240 kg)
Operating Weight - Roller Suspension .....	9870 lbs. (4477 kg)
Travel Speed .....	6.6 mph (10.6 km/hr)
Lift Breakout Force (SAE) .....	6100 lbs. (2767 kg)
Life Breakout Force - Roller Suspension .....	6425 lbs. (2782 kg)
Tilt Breakout Force (SAE) .....	6600 lbs. (2994 kg)
Tilt Breakout Force - Roller Suspension .....	5800 lbs. (2631 kg)
Push Force .....	5700 lbs. (2585 kg)
Push Force - Roller Suspension .....	6500 lbs. (2948 kg)

**ENGINE/ELECTRICAL**

Make/Model .....	Kubota V3800-DI-TE3	
Fuel/Cooling .....	Diesel/Liquid	
Horsepower, SAE Net .....	78 HP (58,2 kW) @ 2400 RPM	
Horsepower, SAE Gross .....	81 HP (60,3 kW) @ 2400 RPM	
Maximum Governed RPM .....	2525-2575 RPM	
Torque, Maximum .....	217.6 LBF-FT (295 Nm) @ 1600 RPM	
Number of Cylinders .....	4	
Displacement .....	230 cu. in. (3,7 L)	
Bore/Stroke .....	3.94/4.72 (100/120)	
Fuel Consumption .....	3.07 gal/hr (11,6 L/hr)	
	Estimated fuel consumption is based on testing by Bobcat Company in high duty cycle digging applications.	
Lubrication .....	Pressure System with Filter	
Crankcase Ventilation .....	Open Breathing	
Air Cleaner .....	Dry replaceable paper cartridge with safety element	
Ignition .....	Diesel-Compression	
Engine Coolant .....	Propylene Glycol	
Starting Aid .....	Intake Air Heater	
Alternator .....	Belt driven; 90 amps; Open	
Battery .....	12 volt; 950 cold cranking amps @ 0°F(-18°C); 180 minute reserve capacity	
Starter .....	12 volt; gear reduction type; 4.02 HP (3,0 kW)	

**HYDRAULIC SYSTEM**

Pump Type .....	Engine driven, gear type	
Pump Capacity		
Standard .....	21.2 GPM (80,2 L/min) @ high idle	
High Flow Option .....	37 GPM (140,1 L/min) @ high idle	
System Relief @ Quick Couplers .....	3300 PSI (227,5 Bar)	
Hydraulic Filter .....	Full flow replaceable, 3 micron synthetic media element	
Hydraulic Cylinders .....	Double-acting; tilt cylinders have cushioning feature on dump and rollback	
Control Valve .....	3-Spool, open center type with float detent on lift and electrically controlled auxiliary spool	
Fluid Type .....	Bobcat Hydraulic/Hydrostatic Fluid (P/N 6563328) Motor oil is not an acceptable alternative fluid	

*Bore Diameter*

Lift Cylinder (2) .....	2.50 in. (63,5 mm)
Tilt Cylinder (2) .....	3.00 in. (76,2 mm)

*Rod Diameter*

Lift Cylinder (2) .....	1.75 in. (44,4 mm)
Tilt Cylinder (2) .....	1.50 in. (38,1 mm)

*Stroke*

Lift Cylinder (2) .....	32.5 in. (825 mm)
Tilt Cylinder (2) .....	15.1 in. (384 mm)

*Hydraulic Function Times*

Raise Lift Arms .....	3.8 Seconds	Bucket Dump .....	2.7 Seconds
Lower Lift Arms .....	2.3 Seconds	Bucket Rollback .....	2.1 Seconds

**DRIVE SYSTEM**

Main Drive ..... Fully hydrostatic, rubber track drive  
Transmission ..... Infinitely variable tandem hydrostatic piston pumps,  
driving two fully reversing hydrostatic motors  
Tracks ..... 18 in. width (450 mm) or optional 12.6 in. tracks (320 mm)  
tension-grease cylinder and spring rollers—triple flange

**GROUND PRESSURE**

18 in. Track width ..... 4.0 psi (27,6 kPa)  
18 in. Track width  
with Roller Suspension ..... 4.0 psi (27,6 kPa)  
12.6 in. Track width option ..... 5.6 psi (38,6 kPa)

**CAPACITIES**

Fuel Tank ..... 30 gals. (113,6 L)  
Engine Coolant ..... 4.3 gals. (16,3 L)  
Hydraulic Reservoir ..... 4.7 gals. (17,8 L)  
Hydraulic/Hydrostatic System ..... 13 gals. (49,2 L)  
Engine Lubricating with Oil Filter ..... 14 qts. (13,2 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 Control (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 ..... Intake Air Heater – 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 (Std.) ..... Finger-operated rocker switch on center control panel activates spring applied  
pressure release (SAPR) mult disc brake

**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
- Starter

Easy access to all lift arm grease points  
Rod end of the tilt cylinders 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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**INSTRUMENTATION**

The following loader functions are monitored by a combination of gauges and warning lights in the operator's line of sight. The system alerts the operator of monitored loader malfunctions by way of an audible alarm and visual warning lights.

**Standard Instrument Panel**

Gauges

- Engine Coolant Temperature
- Fuel
- Hourmeter

Indicators

- Advanced Control System (ACS)
- Attachment Control Device
- BICS Functions
- Intake Air Heater
- Selectable Joystick Control (SJC)

Warning Lights

- Engine Air Filter
- Engine Coolant Temperature
- Engine Oil Pressure
- Fuel Level
- General Warning
- Hydraulic Filter
- Hydraulic Oil Temperature
- Hydrostatic Charge Pressure
- Seat Belt
- System Voltage

**Deluxe Instrument Panel (Option)**

Same gauges, warning lights and other features as Standard Instrument Panel plus:

- Bar-type gauges: ..... Engine Oil Pressure, System Voltage, Hydrostatic Charge Pressure and Hydraulic Oil Temperature
- Additional features: ..... Keyless Start with password capability, Digital Clock, Job Clock, Attachments Information, Digital Tachometer, High Flow Lockouts, Multi-Language Display, Help Screens, Diagnostic Capability and Engine/Hydraulic Systems Shutdown Function

**ATTACHMENTS**

- |                        |                          |                   |                   |
|------------------------|--------------------------|-------------------|-------------------|
| Angle Broom*           | Drop Hammer              | Planer*           | Three-Point Hitch |
| Auger                  | Dumping Hopper           | Rear Stabilizer   | Tiller            |
| Backhoe                | Flail Cutter             | Scarifier         | Tilt-Tatch        |
| Box Blade              | Forestry Cutter          | Seeder            | Trench Compactor  |
| Brush Saw              | Grader*                  | Snow Blade        | Trencher          |
| Brushcat Rotary Cutter | Grapple, Farm/Utility    | Snow V-Blade*     | Utility Forks     |
| Buckets                | Grapple, Industrial      | Snowblower*       | Utility Frame     |
| Bucket Adapter         | Hydraulic Breaker        | Sod Layer         | Vibratory Roller  |
| Chipper*               | Landplane                | Soil Conditioner* | Water Kit         |
| Combination Bucket     | Landscape Rake           | Spreader          | Wheel Saw*        |
| Concrete Mixer*        | Mower                    | Stump Grinder*    | Whisker Broom     |
| Digger                 | Pallet Forks - Standard  | Super Scraper     |                   |
| Dozer Blade*           | Pallet Forks - Hydraulic | Sweeper           |                   |

**See Bobcat Product Price List for specific attachment model availability. \*Requires Attachment Control Kit**

**FACTORY OPTIONS**

Advanced Control System (ACS)  
Selectable Joystick Control (SJC)  
Back-up Alarm and Horn

Engine Block Heater  
High Flow Auxiliary Hydraulics  
Hydraulic Bucket Positioning

**DEALER ACCESSORIES**

Attachment Control Kit  
Back-up Alarm  
Cab Accessory Harness  
Cab Enclosure  
Catalytic Exhaust Purifier  
Fire Extinguisher Kit  
FOPS Kit - Level II\*\*

Four-point Lift Kit  
Four-Way Flasher Light Kit  
Horn  
Hydraulic Bucket Positioning  
Locking Fuel Cap  
Power Bob-Tach  
Radio

Rear Auxiliary Hydraulics  
Ride Control  
Rotating Beacon Light  
Side Windows Kit  
Single-point Lift Kit  
Special Applications Kit  
Strobe Light Kit  
Tailgate Lock Kit

**AC/HEATED CAB PACKAGES****A91 Option Package**

Cab Enclosure with  
Heat/Air Conditioning  
High Flow Hydraulics  
Power Bobtach  
Sound Reduction  
Hydraulic Bucket Positioning  
Deluxe Instrumentation Panel  
Engine Block Heater  
Cab Accessory Harness  
Horn  
Backup Alarm  
Attachment Control Kit

**A71 Option Package**

Cab Enclosure with  
Heat/Air Conditioning  
Power Bobtach  
Sound Reduction  
Deluxe Instrumentation Panel  
Cab Accessory Harness  
Attachment Control Kit

**A51 Option Package**

Cab Enclosure with  
Heat/Air Conditioning  
Power Bobtach  
Cab Accessory Harness

**A31 Option Package**

Cab Enclosure with  
Heat/Air Conditioning  
Cab Accessory Harness

**HEATED CAB PACKAGES****H71 Option Package**

Cab Enclosure with Heat  
Power Bobtach  
Sound Reduction  
Deluxe Instrumentation Panel  
Cab Accessory Harness  
Attachment Control Kit

**H51 Option Package**

Cab Enclosure with Heat  
Power Bobtach  
Cab Accessory Harness

**H31 Option Package**

Cab Enclosure with Heat  
Cab Accessory Harness

**OPEN CAB PACKAGES****O71 Option Package**

Power Bobtach  
Deluxe Instrumentation Panel  
Cab Accessory Harness  
Attachment Control Kit

**O51 Option Package**

Cab Accessory Harness  
Deluxe Instrumentation Panel

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**SAFETY****Bobcat Interlock Control System**

Bobcat Interlock Control System (BICS) (Std.) .....	Requires the operator to be seated in the loader with the seatbar 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 system can be operated.
Lift Arm Bypass Control (Std.) .....	Used to lower the lift arms in the event that the lift arms cannot be lowered during normal operating conditions.
Seat Belt (Std.) .....	Should always be worn when operating the loader Three-point shoulder belt provides restraint for high range speeds.
Seat Bar (Std.) .....	Secondary operator restraint, also serves as an arm rest
Operator Cab (Std.) .....	An enclosable operator cab with side screens with a minimal inside cab width of 33" (838 mm) as standard equipment. 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.

*FOPS Level I – Acceptance is intended for protection from falling bricks, small concrete blocks and hand tools encountered in operations such as highway maintenance, landscaping and other construction site services.*

*FOPS Level II – Acceptance is intended for protection from falling trees or rocks for machines involved in site clearing, overhead demolition or forestry.*

Lift Arm Support (Std.) .....	Use for servicing when lift arms are raised
Parking Brake (Std.) .....	Always set brake when leaving loader
Grab Handles (Std.) .....	Should always be used when entering/exiting loader
Safety Tread (Std.) .....	Slip resistant tread on lift arms and main frame to be used when entering/exiting loader
Attachment Steps (Std.) .....	Should always be used when entering/exiting loader
Rear Window (Std.) .....	For emergency exit
Front & Rear Working Lights (Std.) .....	Use for indoor and low light operation
Alarm Package (Opt.) .....	For use in jobs with low visibility--includes horn and backup alarm
Lift Kits (Opt.) .....	Lift kits are available so loader may be lifted into remote areas
Special Applications Kit (Opt.) .....	Restricts objects and material from entering cab openings
Operator's Handbook (Std.) .....	Weather resistant operator handbook written in English will be attached to inside of cab, providing operational instructions and warnings by decals with pictorials and international symbols plus some messages in four basic languages: English, French, German and Spanish.

**TRAINING RESOURCES**

These optional videotapes and training courses are available through Bobcat Parts

***Bobcat Loader Operator Training Course***

4-hour course provides video, classroom and hands-on training (also available in Spanish)

***Bobcat Loader Service Safety Training Course***

2-hour course provides video, classroom and hands-on training

***Bobcat Loader Safety Video***

Short and to-the-point video provides basic safety instructions for the Skid-Steer Loader

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