**T250 Compact Track Loader Specifications**

### Dimensions

- **A)** Operating Height ........................................ 156.6" (3978 mm)
- **B)** Height with Operator Cab ...................... 80.9" (2055 mm)
- **C)** Angle of Departure ................................ 25°
- **D)** Ground Clearance .................................... 8.7" (221 mm)
- **E)** Ground Contact Length ............................ 63.7" (1618 mm)
- **F)** Length without Attachment ........................ 114.9" (2918 mm)
- **G)** Length with Standard Bucket ................. 142.9" (3630 mm)
- **H)** Rollback @ Ground ................................. 30°
- **I)** Dump Height with Standard Bucket .......... 95.4" (2423 mm)
- **J)** Dump Reach @ Maximum Height .............. 23.8" (605 mm)
- **K)** Height to Bucket Hinge Pin .................... 122.4" (3109 mm)
- **L)** Dump Angle @ Maximum Height .............. 41.1°
- **M)** Rollback Fully Raised @ Maximum Height ...... 97°
- **N)** Width (over bucket) .............................
  - 74 in. Bucket .................................... 74.0" (1880 mm)
  - 80 in. Bucket .................................... 80.0" (2032 mm)
- **O)** Turning Radius with Standard Bucket ..........
  - 82.4" (2093 mm)
  - Rear Clearance of Machine .................. 68.2" (1732 mm)
- **P)** Track Tread
  - 12.6 in. Tracks ................................... 60.3" (1532 mm)
  - 18 in. Tracks .................................... 60.3" (1532 mm)
- **Q)** Track (width over track)
  - 12.6 in. Tracks ................................... 72.0" (1829 mm)
  - 18 in. Tracks .................................... 78.0" (1981 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. (2872 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

<table>
<thead>
<tr>
<th>Specification</th>
<th>Data</th>
</tr>
</thead>
<tbody>
<tr>
<td>Make/Model</td>
<td>Kubota V3800-DI-TE3</td>
</tr>
<tr>
<td>Fuel/Cooling</td>
<td>Diesel/Liquid</td>
</tr>
<tr>
<td>Horsepower, SAE Net</td>
<td>78 HP (58.2 kW) @ 2400 RPM</td>
</tr>
<tr>
<td>Horsepower, SAE Gross</td>
<td>81 HP (60.3 kW) @ 2400 RPM</td>
</tr>
<tr>
<td>Maximum Governed RPM</td>
<td>2525-2575 RPM</td>
</tr>
<tr>
<td>Torque, Maximum</td>
<td>217.6 LBF-FT (295 Nm) @ 1600 RPM</td>
</tr>
<tr>
<td>Number of Cylinders</td>
<td>4</td>
</tr>
<tr>
<td>Displacement</td>
<td>230 cu. in. (3.7 L)</td>
</tr>
<tr>
<td>Bore/Stroke</td>
<td>3.94/4.72 (100/120)</td>
</tr>
<tr>
<td>Fuel Consumption</td>
<td>3.07 gal/hr (11.6 L/hr)</td>
</tr>
<tr>
<td>Estimated fuel consumption is based on testing by Bobcat Company in high duty cycle digging applications.</td>
<td></td>
</tr>
<tr>
<td>Lubrication</td>
<td>Pressure System with Filter</td>
</tr>
<tr>
<td>Crankcase Ventilation</td>
<td>Open Breathing</td>
</tr>
<tr>
<td>Air Cleaner</td>
<td>Dry replaceable paper cartridge with safety element</td>
</tr>
<tr>
<td>Ignition</td>
<td>Diesel-Compression</td>
</tr>
<tr>
<td>Engine Coolant</td>
<td>Propylene Glycol</td>
</tr>
<tr>
<td>Starting Aid</td>
<td>Intake Air Heater</td>
</tr>
<tr>
<td>Alternator</td>
<td>Belt driven; 90 amps; Open</td>
</tr>
<tr>
<td>Battery</td>
<td>12 volt; 950 cold cranking amps @ 0°F(-18°C); 180 minute reserve capacity</td>
</tr>
<tr>
<td>Starter</td>
<td>12 volt; gear reduction type; 4.02 HP (3.0 kW)</td>
</tr>
</tbody>
</table>

### Hydraulic System

<table>
<thead>
<tr>
<th>Specification</th>
<th>Data</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pump Type</td>
<td>Engine driven, gear type</td>
</tr>
<tr>
<td>Pump Capacity</td>
<td></td>
</tr>
<tr>
<td>Standard</td>
<td>21.2 GPM (80.2 L/min) @ high idle</td>
</tr>
<tr>
<td>High Flow Option</td>
<td>37 GPM (140.1 L/min) @ high idle</td>
</tr>
<tr>
<td>System Relief @ Quick Couplers</td>
<td>3300 PSI (227.5 Bar)</td>
</tr>
<tr>
<td>Hydraulic Filter</td>
<td>Full flow replaceable, 3 micron synthetic media element</td>
</tr>
<tr>
<td>Hydraulic Cylinders</td>
<td>Double-acting; tilt cylinders have cushioning feature on dump and rollback</td>
</tr>
<tr>
<td>Control Valve</td>
<td>3-Spool, open center type with float detent on lift and electrically controlled auxiliary spool</td>
</tr>
<tr>
<td>Fluid Type</td>
<td>Bobcat Hydraulic/Hydrostatic Fluid (P/N 6563328)</td>
</tr>
<tr>
<td></td>
<td>Motor oil is not an acceptable alternative fluid</td>
</tr>
</tbody>
</table>

**Bore Diameter**

<table>
<thead>
<tr>
<th>Cylinder</th>
<th>Diameter (in, mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lift Cylinder (2)</td>
<td>2.50 (63.5)</td>
</tr>
<tr>
<td>Tilt Cylinder (2)</td>
<td>3.00 (76.2)</td>
</tr>
</tbody>
</table>

**Rod Diameter**

<table>
<thead>
<tr>
<th>Cylinder</th>
<th>Diameter (in, mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lift Cylinder (2)</td>
<td>1.75 (44.4)</td>
</tr>
<tr>
<td>Tilt Cylinder (2)</td>
<td>1.50 (38.1)</td>
</tr>
</tbody>
</table>

**Stroke**

<table>
<thead>
<tr>
<th>Cylinder</th>
<th>Stroke (in, mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lift Cylinder (2)</td>
<td>32.5 (825)</td>
</tr>
<tr>
<td>Tilt Cylinder (2)</td>
<td>15.1 (384)</td>
</tr>
</tbody>
</table>

**Hydraulic Function Times**

<table>
<thead>
<tr>
<th>Function</th>
<th>Time (seconds)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Raise Lift Arms</td>
<td>3.8</td>
</tr>
<tr>
<td>Lower Lift Arms</td>
<td>2.3</td>
</tr>
<tr>
<td>Bucket Dump</td>
<td>2.7</td>
</tr>
<tr>
<td>Bucket Rollback</td>
<td>2.1</td>
</tr>
</tbody>
</table>
**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)

**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

**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)

**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
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

**Warning Lights**
- Engine Air Filter
- Engine Coolant Temperature
- Engine Oil Pressure
- Fuel Level

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

**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

**Attachments**

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

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
**SAFETY**

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.

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.