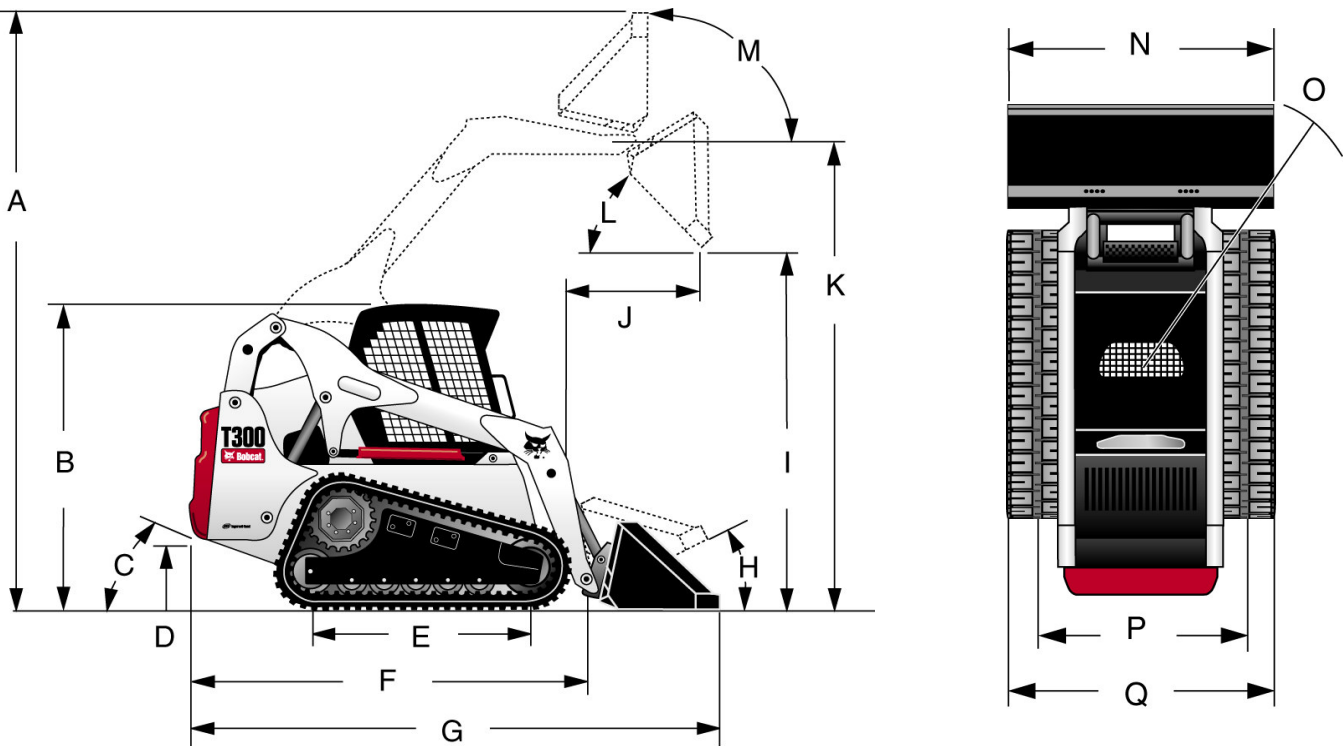


T300 COMPACT TRACK LOADER SPECIFICATIONS

DIMENSIONS



A) Operating Height	160.6" (4079 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	84.2" (2139 mm)
F) Length without Attachment	114.5" (2908 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	99.1" (2517 mm)	18 in. Tracks	60.3" (1532 mm)
J) Dump Reach @ Maximum Height	33.8" (859 mm)	Q) Track (width over track)	
K) Height to Bucket Hinge Pin	128.8" (3272 mm)	12.6 in. Tracks	72.0" (1829 mm)
L) Dump Angle @ Maximum Height	42°	18 in. Tracks	78.0" (1981 mm)
M) Rollback Fully Raised			
@ Maximum Height	96.1°		
Carry Position	9.7" (246 mm)		

PERFORMANCE

Rated Operating Capacity (ISO 14397 - no more than 35% of Tipping Load)	3000 lbs. (1362 kg)
Rated Operating Capacity (35% of Tipping Load) - Roller Suspension	2800 lbs. (1270 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)	4604 lbs. (2089 kg)
Operating Capacity (50% of Tipping Load) - Roller Suspension	4046 lbs. (1835 kg)
Tipping Load (ISO 14397-1)	9208 lbs. (4177 kg)
Tipping Load - Roller Suspension	8092 lbs. (3670 kg)
Operating Weight (SAE)	9702 lbs. (4401 kg)
Operating Weight - Roller Suspension	10308 lbs. (4676 kg)
Travel Speed	6.6 mph (10.6 km/hr)
Lift Breakout Force (SAE)	6700 lbs. (3039 kg)
Lift Breakout Force - Roller Suspension	6500 lbs. (2948 kg)
Tilt Breakout Force (SAE)	6300 lbs. (2858 kg)
Tilt Breakout Force - Roller Suspension	6100 lbs. (2767kg)
Push Force	6200 lbs. (2812 kg)
Push Force - Roller Suspension	7500 lbs. (3402 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)	3.00 in. (76,2 mm)
Tilt Cylinder (2)	3.00 in. (76,2 mm)

Rod Diameter

Lift Cylinder (2)	1.62 in. (41,2 mm)
Tilt Cylinder (2)	1.50 in. (38,1 mm)

Stroke

Lift Cylinder (2)	25.0 in. (636 mm)
Tilt Cylinder (2)	15.1 in. (384 mm)

Hydraulic Function Times

Raise Lift Arms	4.4 Seconds	Bucket Dump	2.5 Seconds
Lower Lift Arms	3.2 Seconds	Bucket Rollback	1.9 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	4.2 psi (28,9 kPa)
18 in. Track width - Roller Suspension	4.2 psi (28,9 kPa)
12.6 in. Track width option	5.8 psi (40,0 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
-
-

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

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 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
