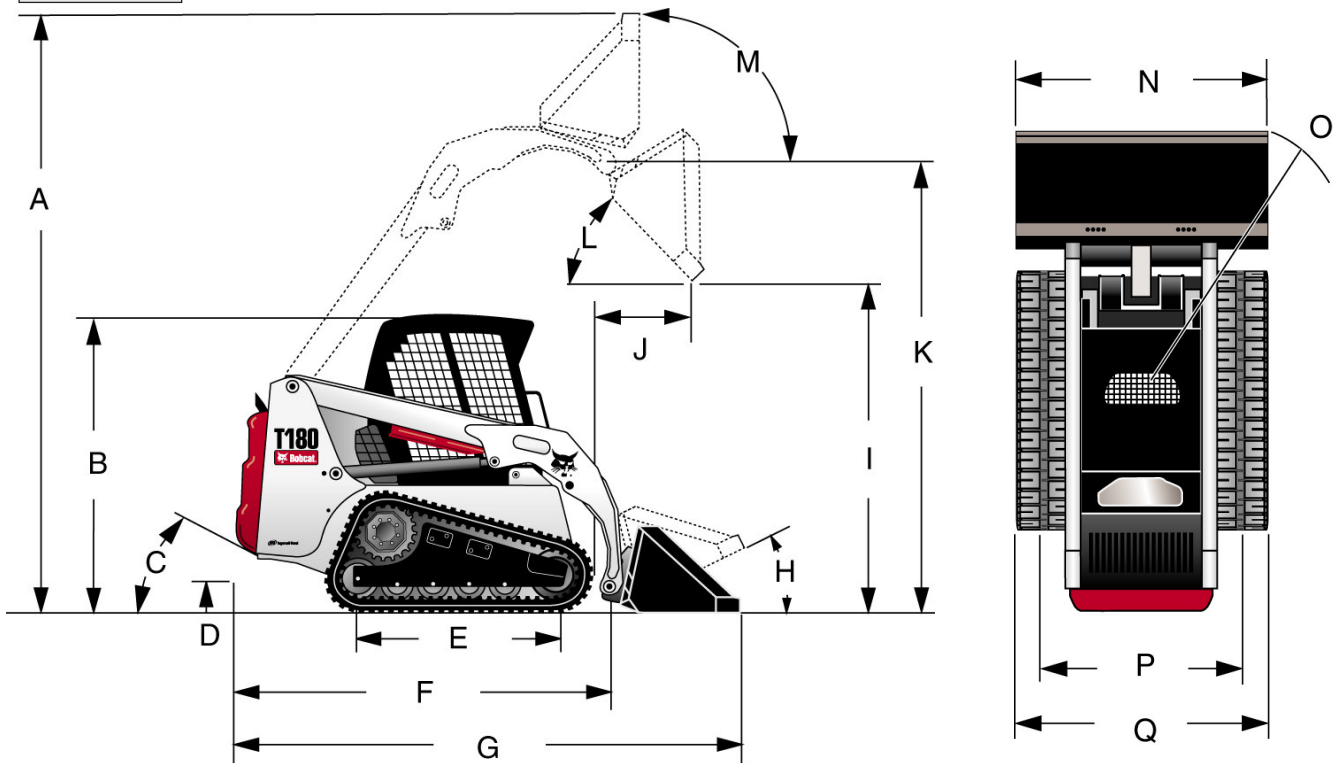


# T180 COMPACT TRACK LOADER SPECIFICATIONS

## DIMENSIONS



A) Operating Height .....	148.0" (3759 mm)	O) Turning Radius	
B) Height with Operator Cab .....	76.3" (1938 mm)	with 68 in. Bucket .....	78.8" (2001 mm)
C) Angle of Departure .....	30°	with 74 in. Bucket .....	80.2" (2037 mm)
D) Ground Clearance .....	8.1" (205 mm)	Rear Clearance of Machine .....	62.2" (1579 mm)
E) Ground Contact Length .....	55.2" (1401 mm)	Q) Width (over tracks)	
F) Length without Attachment .....	101.9" (2588 mm)	12.6 in. tracks .....	66.0" (1676 mm)
G) Length with Standard Bucket .....	130.3" (3309 mm)	15.8 in. tracks .....	73.9" (1877 mm)
H) Rollback @ Carry Position .....	25°	P) Track Tread	
I) Dump Height with Standard Bucket .....	86.5" (2197 mm)	12.6 in. tracks .....	53.4" (1356 mm)
J) Dump Reach @ Maximum Height .....	19.1" (484 mm)	15.8 in. tracks .....	53.4" (1356 mm)
K) Height to Bucket Hinge Pin .....	114.5" (2908 mm)	N) Width over Bucket	
L) Dump Angle @ Maximum Height .....	44°	68 in. Bucket .....	68.0" (1727 mm)
M) Rollback Fully Raised		74 in. Bucket .....	74.0" (1880 mm)
@ Maximum Height .....	92°		
Carry Position .....	6.6" (167 mm)		

## PERFORMANCE

Rated Operating Capacity (ISO 14397- no more than 35% of Tipping Load) .....	1800 lbs. (816 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) .....	2666 lbs. (1209 kg)
Tipping Load (ISO 14397-1) .....	5331 lbs. (2418 kg)
Operating Weight (SAE) .....	7625 lbs. (3457 kg)
Operating Weight (wide track option) .....	7689 lbs. (3488 kg)
Travel Speed .....	7.1 mph (11,4 km/hr)
Lift Breakout Force (SAE) .....	4500 lbs. (2041 kg)
Tilt Breakout Force (SAE) .....	4300 lbs. (1950 kg)
Push Force .....	4600 ft-lbs. (2087 kg)

**ENGINE/ELECTRICAL**

Make/Model .....	Kubota/V2607-DI-TE3B-BC-1
Fuel/Cooling .....	Diesel/Liquid
Horsepower (SAE Gross) .....	66 HP (49,2 kW) @ 2700 RPM
Horsepower (SAE Net) .....	61 HP (45,5 kW) @ 2700 RPM
Maximum Governed RPM .....	2700 RPM
Torque (SAE Gross) .....	161.0 ft–lbs. (218 Nm) @ 1425 RPM
Torque (SAE Net) .....	155.6 ft–lbs. (211 Nm) @ 1425 RPM
Number of Cylinders .....	4
Displacement .....	158.7 cu. in. (2,6 L)
Bore/Stroke .....	3.43 / 4.03 in. (87 / 102 mm)
Fuel Consumption .....	2.08 gph (7,87 L/h)
	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/water mix (53%-47%) with freeze protection to -34°F (-37°C)
Starting Aid .....	Glow plugs
Alternator .....	Belt driven; 90 amps; Ventilated
Battery .....	12 volt; 600 cold cranking amps @ 0°F (-18°C); 115 minute reserve capacity
Starter .....	12 volt, gear reduction type; 3.62 HP (2,7 kW)

**HYDRAULIC SYSTEM**

Pump Type .....	Engine Driven, gear type
Pump Capacity	
Standard .....	16.9 GPM (64,0 L/min) @ 3135 RPM
High Flow Option .....	26.4 GPM (99,9 L/min) @ 3135 RPM
System Relief @ Quick Couplers .....	3250 - 3350 PSI (224 - 231 Bar)
Hydraulic Filter .....	Full flow replaceable, Number 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) .....	2.25 in. (57,1 mm)
Tilt Cylinder (2) .....	2.75 in. (69,8 mm)

**Rod Diameter**

Lift Cylinder (2) .....	1.50 in. (38,1 mm)
Tilt Cylinder (2) .....	1.38 in. (34,9 mm)

**Stroke**

Lift Cylinder (2) .....	23.90 in. (709 mm)
Tilt Cylinder (2) .....	13.20 in. (335,0 mm)

**Hydraulic Function Times**

Raise Lift Arms .....	3.4 Seconds	Bucket Dump .....	2.5 Seconds
Lower Lift Arms .....	2.2 Seconds	Bucket Rollback .....	1.9 Seconds

Main Drive .....	Fully hydrostatic, rubber track drive
Transmission .....	Infinitely variable tandem hydrostatic piston pumps, driving two fully reversing hydrostatic motors
Tracks .....	12.6 in. width (320 mm) or optional 15.8 in. width (400 mm) Tension-grease cylinder and spring rollers—triple flange

## CAPACITIES

12.6 in. ....	4.8 PSI (33,1 kPa)	Fuel Tank .....	28 gals. (106 L)
15.8 in. ....	4.0 PSI (27,6 kPa)	Cooling System .....	11 qts. (10,4 L)
		Engine Oil with Filter .....	9.5 qts. (9 L)
		Hydraulic/Hydrostatic Reservoir ...	4.8 gals. (18,2 L)
		Hydraulic/Hydrostatic System .....	8.5 gals. (32,1 L)
		Roller & Idlers .....	100 cc each

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 Controls (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 .....	Glow Plugs – 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 .....	Finger-operated rocker switch on center control panel with spring applied, pressure release multi disk brake

- Air cleaner
- Alternator
- Battery
- Cooling system (radiator and hydraulic oil cooler) for cleaning
- Engine oil and fuel filters
- Engine oil drain and dipstick
- Fuel fill
- Hydraulic oil fill
- Starter

- Bobtach pivots have replaceable wear bushings
- Easy access to all lift arm 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

**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

Attachment Control Device  
BICS Functions  
Glow Plugs

Warning Lights

Advanced Control System (ACS)  
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*	Flail Cutter	Snow V-Blade*	Vibratory Roller
Auger	Grader*	Snowblower*	Wheel Saw*
Backhoe	Grapple, Farm/Utility	Sod Layer	Whisker Broom
Box Blade	Grapple, Industrial	Soil Conditioner*	
Brush Saw	Hydraulic Breaker	Spreader	
Brushcat Rotary Cutter	Landplane	Stump Grinder*	
Buckets	Landscape Rake	Sweeper	
Chipper*	Mower	Three-Point Hitch	
Combination Bucket	Pallet Fork - Standard	Tiller	
Concrete Mixer*	Pallet Fork - Hydraulic	Tree Spade	
Digger	Planer*	Trench Compactor	
Dozer Blade*	Scarifier	Trencher	
Drop Hammer	Scraper	Utility Forks	
Dumping Hopper	Snow Blade	Utility Frame	

**For specific attachment model availability see *Bobcat Product Price List*. \*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

16 inch rubber tracks

**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
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 Object Protective Structure (FOPS). Level II option is available.

*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.*

*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
Backup Alarm (Opt.) .....	For use in jobs with low visibility
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 Skid-Steer Loader Operator Training Course***

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

***Bobcat Skid-Steer Loader Service Safety Training Course***

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

***Bobcat Skid-Steer Loader Safety Video***

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

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