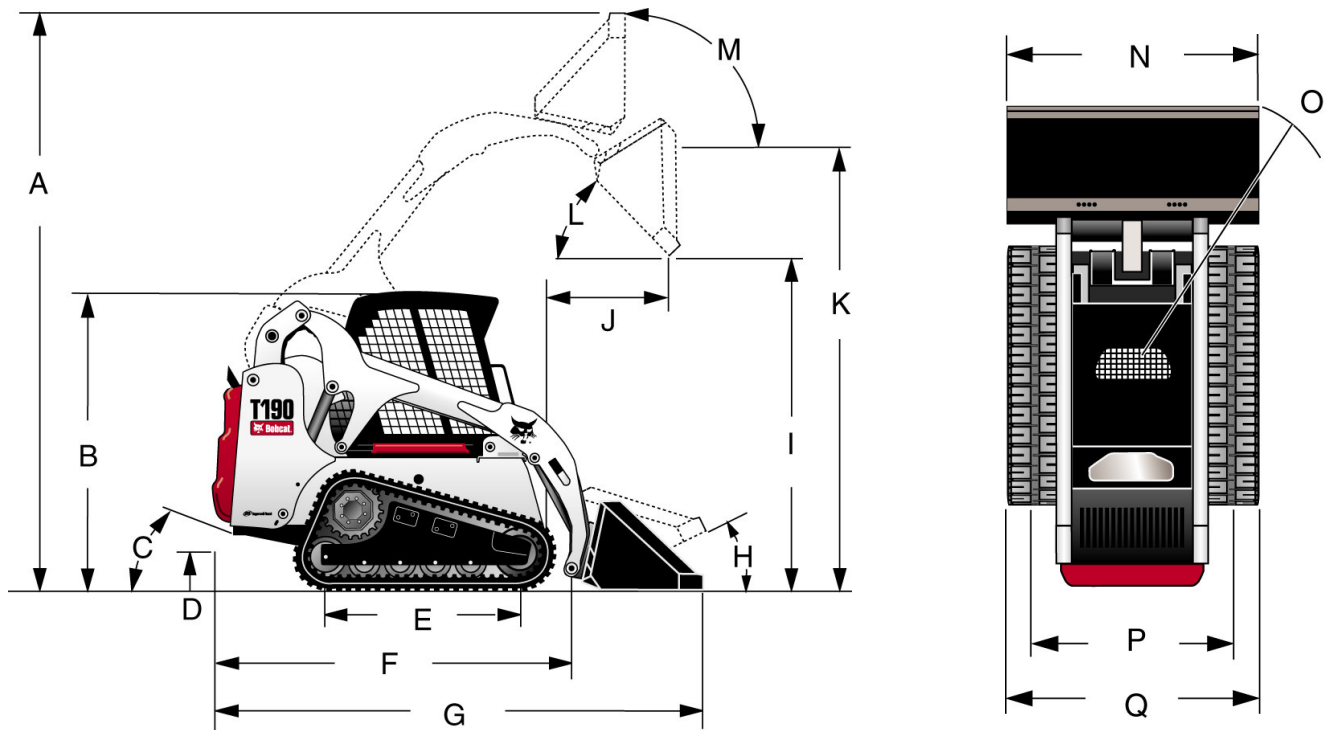


# T190 COMPACT TRACK LOADER SPECIFICATIONS

## DIMENSIONS



A) Operating Height .....	152.1" (3862 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 .....	91.0" (2310 mm)	12.6 in. tracks .....	53.4" (1356 mm)
J) Dump Reach @ Maximum Height .....	30.9" (785 mm)	15.8 in. tracks .....	53.4" (1356 mm)
K) Height to Bucket Hinge Pin .....	118.2" (3002 mm)	N) Width over Bucket	
L) Dump Angle @ Maximum Height .....	42°	68 in. Bucket .....	68.0" (1727 mm)
M) Rollback Fully Raised		74 in. Bucket .....	74.0" (1880 mm)
@ Maximum Height .....	95°		
Carry Position .....	6.6" (167 mm)		

## PERFORMANCE

Rated Operating Capacity (ISO 14397- no more than 35% of Tipping Load) .....	1900 lbs. (862 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) .....	3426 lbs. (1554 kg)
Tipping Load (ISO 14397-1) .....	6851 lbs. (3108 kg)
Operating Weight (SAE) .....	7612 lbs. (3453 kg)
Operating Weight (wide track option) .....	7934 lbs. (3599 kg)
Travel Speed .....	7.1 mph (11,4 km/hr)
Lift Breakout Force (SAE) .....	4700 lbs. (2132 kg)
Tilt Breakout Force (SAE) .....	4450 lbs. (2018 kg)
Push Force .....	4700 ft.-lbs. (2132 kg)

**ENGINE/ELECTRICAL**

Make/Model .....	Kubota/V2403M-DI-T
Fuel/Cooling .....	Diesel/Liquid
Horsepower (SAE Gross) .....	66 HP (49,2 kW)
Horsepower (SAE Net) .....	61 HP (45,5 kW)
Maximum Governed RPM .....	2700 RPM
Torque @ 1475 RPM (SAE Net) .....	155.6 ft–lbs. (211 Nm)
Number of Cylinders .....	4
Displacement .....	158.7 cu. in. (2,6 L)
Bore/Stroke .....	3.43 / 4.03 in. (87,1 / 102,4 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
Air Cleaner .....	Dry replaceable 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 .....	16.3 GPM (61,6 L/min) @ 3028 RPM
High Flow Option .....	25.5 GPM (96,4 L/min) @ 3028 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) .....	2.50 in. (63,5 mm)
Tilt Cylinder (2) .....	2.75 in. (69,8 mm)

*Rod Diameter*

Lift Cylinder (2) .....	1.50 in. (38,1 mm)
Tilt Cylinder (2) .....	1.375 in. (34,9 mm)

*Stroke*

Lift Cylinder (2) .....	23.67 in. (601,2 mm)
Tilt Cylinder (2) .....	13.19 in. (335,0 mm)

*Hydraulic Function Times*

Raise Lift Arms .....	3.7 Seconds	Bucket Dump .....	2.4 Seconds
Lower Lift Arms .....	2.4 Seconds	Bucket Rollback .....	1.9 Seconds

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**DRIVE SYSTEM**

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

**GROUND PRESSURE**

12.6 in. .... 4.9 PSI (33,7 kPa)  
15.8 in. .... 4.1 PSI (28,3 kPa)

**CAPACITIES**

Fuel Tank ..... 28 gals. (106 L)  
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. (32,2 L)  
Roller & Idlers ..... 100 cc each

**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 System (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

**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
- 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

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