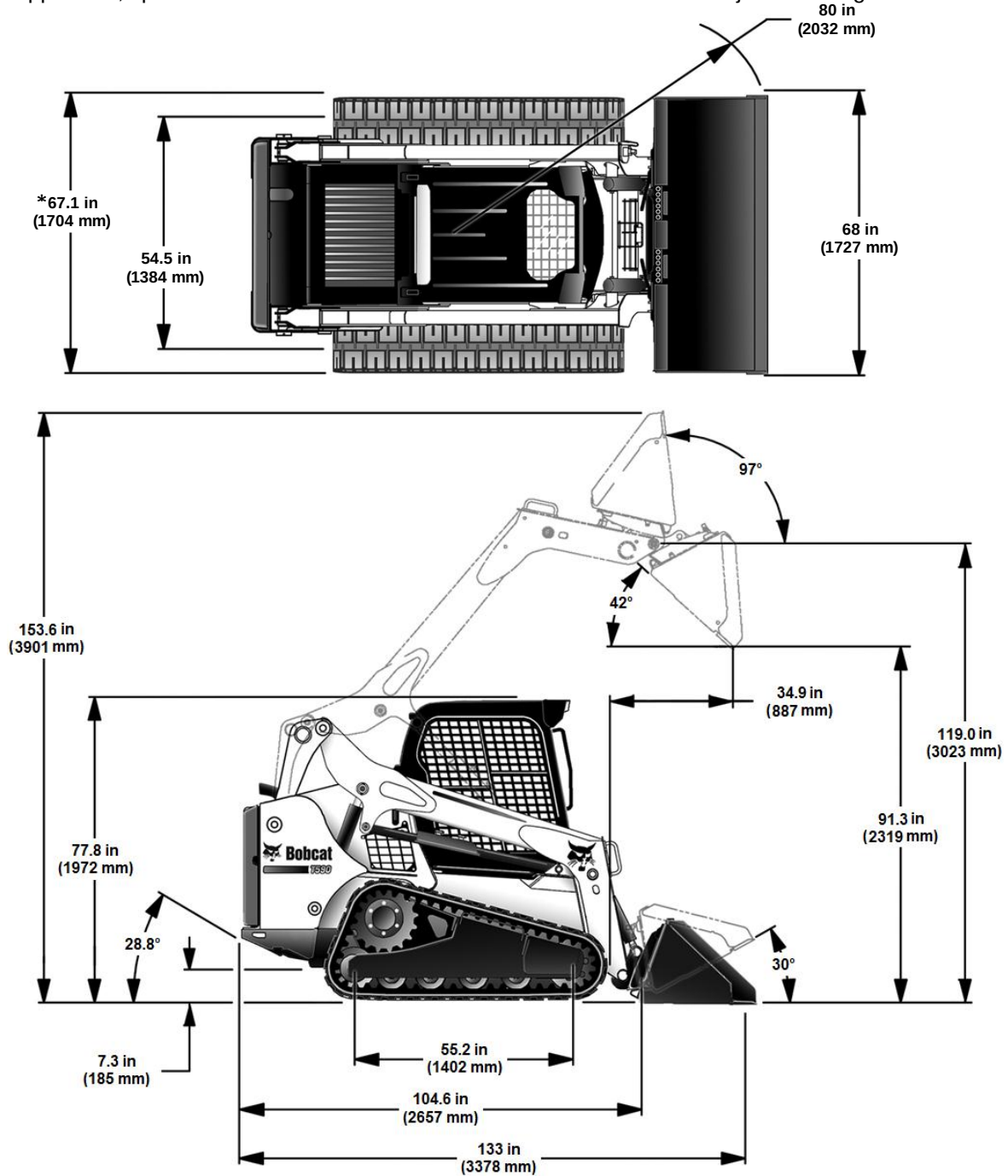


T590 COMPACT TRACK LOADER SPECIFICATIONS

Loader Dimensions

- Dimensions are given for loader equipped with standard tracks and 68 in. Construction and Industrial bucket and may vary with other bucket types. All dimensions are shown in inches. Respective metric dimensions are given in millimeters enclosed by parentheses.
- Where applicable, specifications conform to SAE or ISO standards and are subject to change without notice.



*Loader widths for each track option are found in the Tracks section.

Bobcat T590 Compact Track Loader Specifications

Performance

	ROLLER SUSPENSION UNDERCARRIAGE	SOLID-MOUNTED UNDERCARRIAGE
Rated Operating Capacity	2000 lb (907 kg)	2100 lb (953 kg)
with 200 Pound Frame Mounted Counterweight Kit	2100 lb (953 kg)	2200 lb (998 kg)
Tipping Load	5714 lb (2592 kg)	6000 lb (2722 kg)
Operating Weight	8283 lb (3757 kg)	7870 lb (3570 kg)
Breakout Force - Lift	4753 lb (2156 kg)	4554 lb (2066 kg)
Breakout Force - Tilt	4488 lb (2036 kg)	4712 lb (2137 kg)
Push Force	7418 lb (3365 kg)	6490 lb (2944 kg)
Travel Speed	0 - 7.32 mph (0 - 11,8 km/h)	0 - 7.32 mph (0 - 11,8 km/h)

Engine

Make / Model	Kubota / V2607-DI-TE3B Interim Tier 4
Fuel / Cooling	Diesel / Liquid
Horsepower: - ISO 9249 EEC / SAE J1349 Net - ISO 14396 Gross - SAE J1995 Gross	61.0 hp (45,5 kW) @ 2700 rpm 65.0 hp (48,5 kW) @ 2700 rpm 66.0 hp (49,2 kW) @ 2700 rpm
Torque: - ISO 9249 EEC / SAE J1349 Net - SAE J1995 Gross	155.6 ft-lb (211,0 N•m) @ 1425 rpm 161.0 ft-lb (218,0 N•m) @ 1425 rpm
Low Idle rpm	1175 - 1325
High Idle rpm	2760 - 2900
Number of Cylinders	4
Displacement	158.7 in ³ (2600 cm ³)
Bore / Stroke	3.425 in / 4.33 in (87 mm / 110 mm)
Lubrication	Gear Pump Pressure System with Filter
Crankcase Ventilation	Closed Breathing
Air Cleaner	Dry replaceable paper cartridge with separate safety element
Ignition	Diesel - Compression
Air Induction	Turbo-Charged
Engine Coolant	Propylene Glycol / Water Mixture
Starting Aid	Glow Plugs - Automatically activated as needed in RUN position

Bobcat T590 Compact Track Loader Specifications

Drive System

Main Drive	Fully hydrostatic, rubber track drive
Transmission	Infinitely variable tandem hydrostatic piston pumps, driving two fully reversing hydrostatic motors
Tracks (Tension)	Grease cylinder and spring

Controls

Vehicle Steering	Direction and speed controlled by two hand operated steering levers or optional joystick(s)
Loader Hydraulics: - Lift and Tilt - Front Auxiliary - Rear Auxiliary (Option)	Controlled by separate foot pedals or optional Advanced Control System (ACS) or optional Selectable Joystick Controls (SJC) Controlled by electrical switch on Right Hand steering lever or joystick Controlled by electrical switch on Left Hand steering lever or joystick
Auxiliary Pressure Release	Pressure relieved through quick couplers; Push couplers in, hold for 5 seconds
Engine	Hand operated speed control, additional foot operated speed control pedal with SJC option; key-type start switch or optional Keyless Start Panel or optional Deluxe Instrumentation Panel and function error shutdown
Starting Aid	Glow plugs automatically activated as needed in RUN position
Service Brake	Two independent hydrostatic systems controlled by two hand operated steering levers or optional joystick(s)
Secondary Brake	One of the hydrostatic transmissions
Parking Brake (Standard)	Spring applied pressure release multiple-disc brake activated by manually operated switch on left instrument panel

Bobcat T590 Compact Track Loader Specifications

Hydraulic System

Pump Type	Engine driven, gear type
Pump Capacity - Standard-Flow	17.1 U.S. gpm (64,7 L/min)
Pump Capacity - High-Flow (Option)	26.7 U.S. gpm (101,1 L/min)
System Relief at Quick Couplers	3450 - 3550 psi (23,8 - 24,5 MPa) (238 - 245 bar)
Filter (Hydraulic / Hydrostatic)	Replaceable beta 10 micron = 200, drop in element
Filter (Charge)	Replaceable beta 10 micron = 200, drop in element
Hydraulic Cylinders: Bore Diameter: Lift Cylinder (2) Tilt Cylinder (2) Rod Diameter: Lift Cylinder (2) Tilt Cylinder (2) Stroke: Lift Cylinder (2) Tilt Cylinder (2)	Double-acting; tilt cylinders have cushioning feature on dump and rollback 2.75 in (69,9 mm) 2.75 in (69,9 mm) 1.63 in (41,4 mm) 1.50 in (38,1 mm) 21.26 in (540,0 mm) 13.02 in (330,7 mm)
Control Valve - Standard	3-Spool, open center, manually operated with spring detent for lift float; Electrically controlled auxiliary spool
Control Valve - ACS and SJC	3-Spool, open center with electric actuator controlled lift with float and tilt; Electrically controlled auxiliary spool
Fluid Lines	SAE Standard tubelines, hoses, and fittings
Fluid Type	BOBCAT FLUID, Hydraulic / Hydrostatic 6903117 - (Two - 2.5 U.S. gal) 6903118 - (5 U.S. gal) 6903119 - (55 U.S. gal)
Hydraulic Function Time: - Raise Lift Arms - Lower Lift Arms - Bucket Dump - Bucket Rollback	3.8 seconds 2.5 seconds 2.3 seconds 1.7 seconds

Bobcat T590 Compact Track Loader Specifications

Electrical System

Alternator	Belt driven, 90 amperes, open frame
Battery	12 volts, 600 cold cranking amperes @ 00F (-180C), 115 minute reserve capacity @ 25 amperes
Starter	12 volts, gear type, 3.62 hp (2,7 kW)
Instrumentation	Gauges: Engine Coolant Temperature and Fuel Level Warning lights: Fuel Level, Seat Belt, Engine Coolant Temperature, Engine Malfunction, Hydraulic System Malfunction, and General Warning Indicators: BICS™ Functions, 3-Point Restraint, and Turn Signals Data Display: Operating Hours, Engine rpm, **Speed Management Setting, Maintenance Clock Countdown, Battery Voltage, Service Codes, Engine Preheat Countdown, Lift and Tilt Compensation Setting, **Steering Drift Compensation Setting, and **Drive Response Setting **SJC Option Only Other: Audible Alarm, Lights, and Option / Accessory Switches Optional Deluxe Instrumentation Panel: *Additional displays for: Engine rpm, Engine Coolant Temperature, Engine Oil Pressure, System Voltage, Hydraulic Fluid Temperature, and Hydrostatic Charge Pressure *Additional Features Included: Keyless Start, Digital Clock, Job Clock, Password Lockout, Multiple-Language Display, Help Screens, Diagnostic Capability, and Engine / Hydraulic Systems Shutdown Function

Capacities

Fuel	24.75 U.S. gal (93,7 L)
Engine Oil with Filter Change	10.25 qt (9,7 L)
Engine Cooling System: - with Heater - without Heater	3.1 U.S. gal (11,7 L) 3.0 U.S. gal (11,4 L)
Hydraulic / Hydrostatic Reservoir	2.0 U.S. gal (7,57 L)
Hydraulic / Hydrostatic System	9.5 U.S. gal (36,0 L)
Hydrostatic Drive Motor (Each)	2.0 U.S. fl oz (60,0 mL)

Bobcat T590 Compact Track Loader Specifications

Tracks

	ROLLER SUSPENSION UNDERCARRIAGE	SOLID-MOUNTED UNDERCARRIAGE
Standard	12.6 in (320 mm) Rubber Loader Width: 71.5 in	12.6 in (320 mm) Rubber Loader Width: 67.1 in
Optional Wide	15.75 in (400 mm) Rubber Loader Width: 73.9 in	15.75 in (400 mm) Rubber Loader Width: 73.9 in

Ground Pressure

	ROLLER SUSPENSION UNDERCARRIAGE	SOLID-MOUNTED UNDERCARRIAGE
Rubber track - 12.6 in (320 mm)	5.9 psi (0,04 MPa) (0,4 bar)	5.6 psi (0,04 MPa) (0,4 bar)
Rubber track - 15.75 in (400 mm)	4.8 psi (0,03 MPa) (0,3 bar)	4.7 psi (0,03 MPa) (0,3 bar)