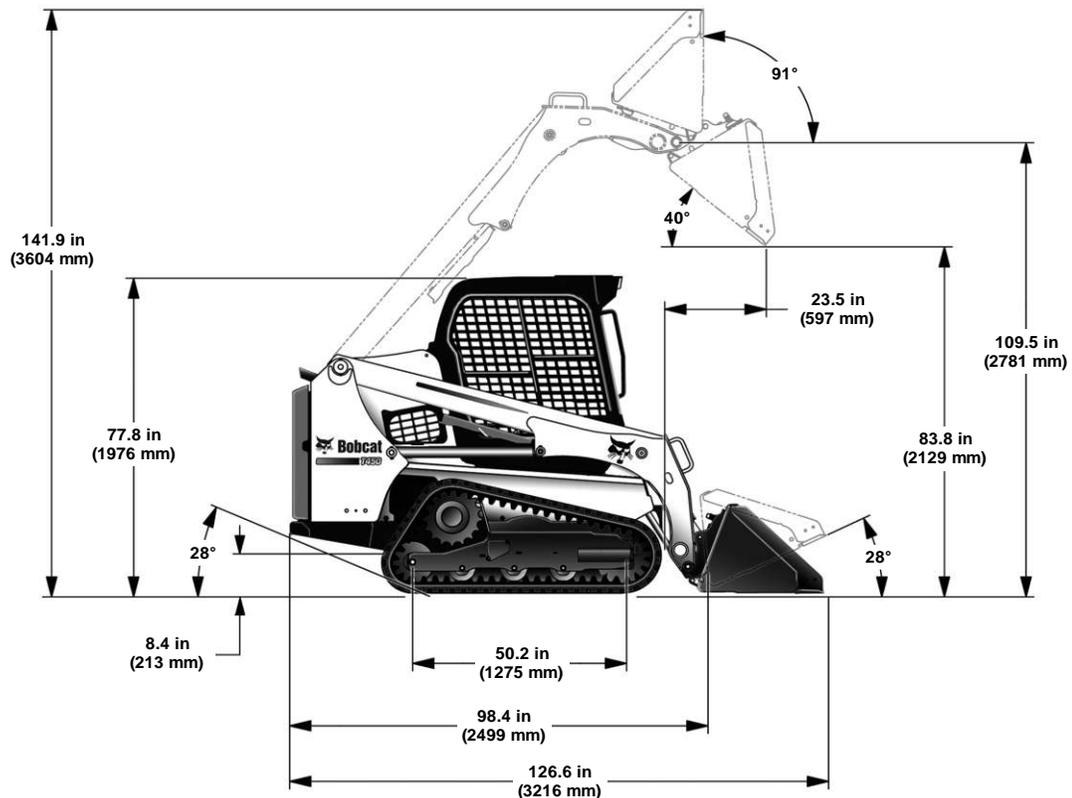
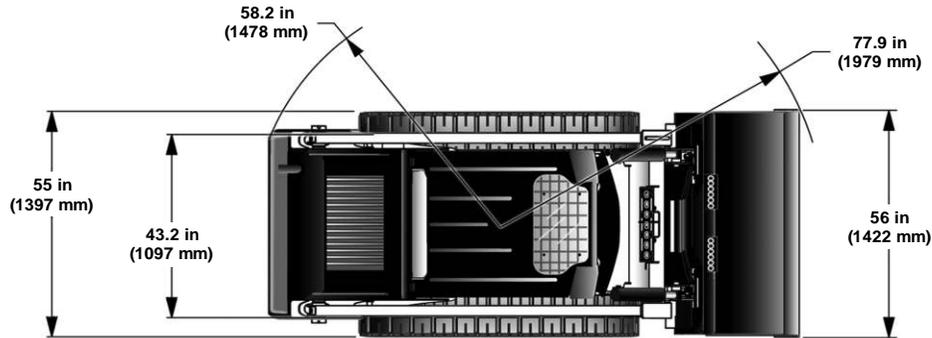


(T450) LOADER SPECIFICATIONS

Machine Dimensions

- Dimensions are given for loader equipped with standard tracks and 56 in. Construction and Industrial bucket and may vary with other bucket types.
- Where applicable, specifications conform to SAE or ISO standards and are subject to change without notice.



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Changes of structure or weight distribution of the loader can cause changes in control and steering response, and can cause failure of the loader parts.

**Specification(s) are based on engineering calculations and are not actual measurements. Specification(s) are provided for comparison purposes only and are subject to change without notice. Specification(s) for your individual Bobcat equipment will vary based on normal variations in design, manufacturing, operating conditions, and other factors.*

(T450) LOADER SPECIFICATIONS (CONT'D)

Performance

Rated Operating Capacity	1400 lb (635 kg)
with 200 Pound Frame Mounted Counterweight Kit	1500 lb (680 kg)
Tipping Load	4000 lb (1814 kg)
Operating Weight	6148 lb (2789 kg)
Breakout Force – Lift	3450 lb (1564 kg)
Breakout Force – Tilt	3588 lb (1627 kg)
Travel Speed:	
– Single Speed Loader	0 – 7.3 mph (0 – 11,7 km/h)
– Two-Speed Loader (Option):	
Low Range	0 – 7.3 mph (0 – 11,7 km/h)
High Range	0 – 11.0 mph (0 – 17,7 km/h)

Engine

Make / Model	Bobcat Engine / 2,4L Bobcat Engine Tier 4
Fuel / Cooling	Diesel / Liquid
Horsepower:	
– ISO 9249 EEC / SAE J1349 Net	58.0 hp (43,3 kW) @ 2600 rpm
– ISO 14396 Gross	61.1 hp (45,5 kW) @ 2600 rpm
– SAE J1995 Gross	62.0 hp (46,2 kW) @ 2600 rpm
Torque:	
– ISO 9249 EEC / SAE J1349 Net	160.9 ft-lb (218,2 N•m) @ 1800 rpm
– SAE J1995 Gross	166.0 ft-lb (225,0 N•m) @ 1800 rpm
Low Idle rpm	1125 – 1175
High Idle rpm	2600
Number of Cylinders	4
Displacement	146.0 in ³ (2392,5 cm ³)
Bore / Stroke	3.54 in / 3.70 in (90 mm / 94 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 and Charged Air Cooled
Engine Coolant	Propylene Glycol / Water Mixture
Starting Aid	Glow plugs automatically activated as needed in RUN position

(T450) LOADER SPECIFICATIONS (CONT'D)

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

Machine 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
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	Spring applied pressure release multiple-disc brake activated by manually operated switch on left instrument panel

(T450) LOADER SPECIFICATIONS (CONT'D)**Hydraulic System**

Pump Type	Engine driven, gear type
Pump Capacity	16.7 U.S. gpm (63,2 L/min)
System Relief at Quick Couplers	3250 – 3350 psi (22,4 – 23,1 MPa) (224 – 231 bar)
Filter (Hydraulic / Hydrostatic)	Replaceable beta 10 micron = 200, drop in element
Filter (Charge)	Replaceable beta 10 micron = 200, drop in element
Hydraulic Cylinders:	Double-acting; tilt cylinders have cushioning feature on dump and rollback
Lift Cylinder (2):	
Bore Diameter	2.00 in (50,8 mm)
Rod Diameter	1.25 in (31,8 mm)
Stroke	26.19 in (665,2 mm)
Tilt Cylinder (2):	
Bore Diameter	2.38 in (60,4 mm)
Rod Diameter	1.25 in (31,8 mm)
Stroke	14.05 in (356,9 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	2.60 seconds
Lower Lift Arms	2.4 seconds
Bucket Dump	2.0 seconds
Bucket Rollback	1.5 seconds

(T450) LOADER SPECIFICATIONS (CONT'D)

Electrical System

Alternator	Belt driven, 90 amperes, open frame
Battery	12 volt, 600 cold cranking amperes @ 0°F (-18°C), 115 minute reserve capacity @ 25 amperes
Starter	12 volt, gear type, 3.62 hp (2,7 kW)
Instrumentation	<p style="text-align: center;">Gauges:</p> <p style="text-align: center;">Engine Coolant Temperature and Fuel Level</p> <p style="text-align: center;">Warning lights:</p> <p style="text-align: center;">Fuel Level, Seat Belt, Engine Coolant Temperature, Engine Malfunction, Hydraulic System Malfunction, Diesel Particulate Filter (DPF) / Diesel Exhaust Fluid (DEF), and General Warning</p> <p style="text-align: center;">Indicators:</p> <p style="text-align: center;">BICS™ Functions, Two-Speed, 3-Point Restraint, and Turn Signals</p> <p style="text-align: center;">Data Display:</p> <p style="text-align: center;">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</p> <p style="text-align: center;">Other:</p> <p style="text-align: center;">Audible Alarm, Lights, and Option / Accessory Switches</p> <p style="text-align: center;">Optional Deluxe Instrumentation Panel:</p> <p style="text-align: center;">*Additional displays for: Engine rpm, Engine Coolant Temperature, Engine Oil Pressure, System Voltage, Hydraulic Fluid Temperature, and Hydrostatic Charge Pressure</p> <p style="text-align: center;">*Additional Features Included: Keyless Start, Digital Clock, Job Clock, Password Lockout, Multiple-Language Display, Help Screens, Diagnostic Capability, and Engine / Hydraulic Systems Shutdown Function</p>

(T450) LOADER SPECIFICATIONS (CONT'D)

Capacities

Fuel	17.3 U.S. gal (65,5 L)
Engine Oil with Filter Change	9.1 qt (8,6 L)
Engine Cooling System with Heater	3.2 U.S. gal (12,3 L)
Engine Cooling System without Heater	3.0 U.S. gal (11,3 L)
Hydraulic / Hydrostatic Reservoir	1.4 U.S. gal (5,3 L)
Hydraulic / Hydrostatic System	5.5 U.S. gal (21,0 L)
Air Conditioning Refrigerant (R-134a)	1.5 lb (0,68 kg)

Tracks

Standard	11.8 in (300 mm) Rubber, C-Pattern
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Ground Pressure

Standard Track – 11.8 in (300 mm)	4.7 psi (0,03 MPa) (0,3 bar)
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