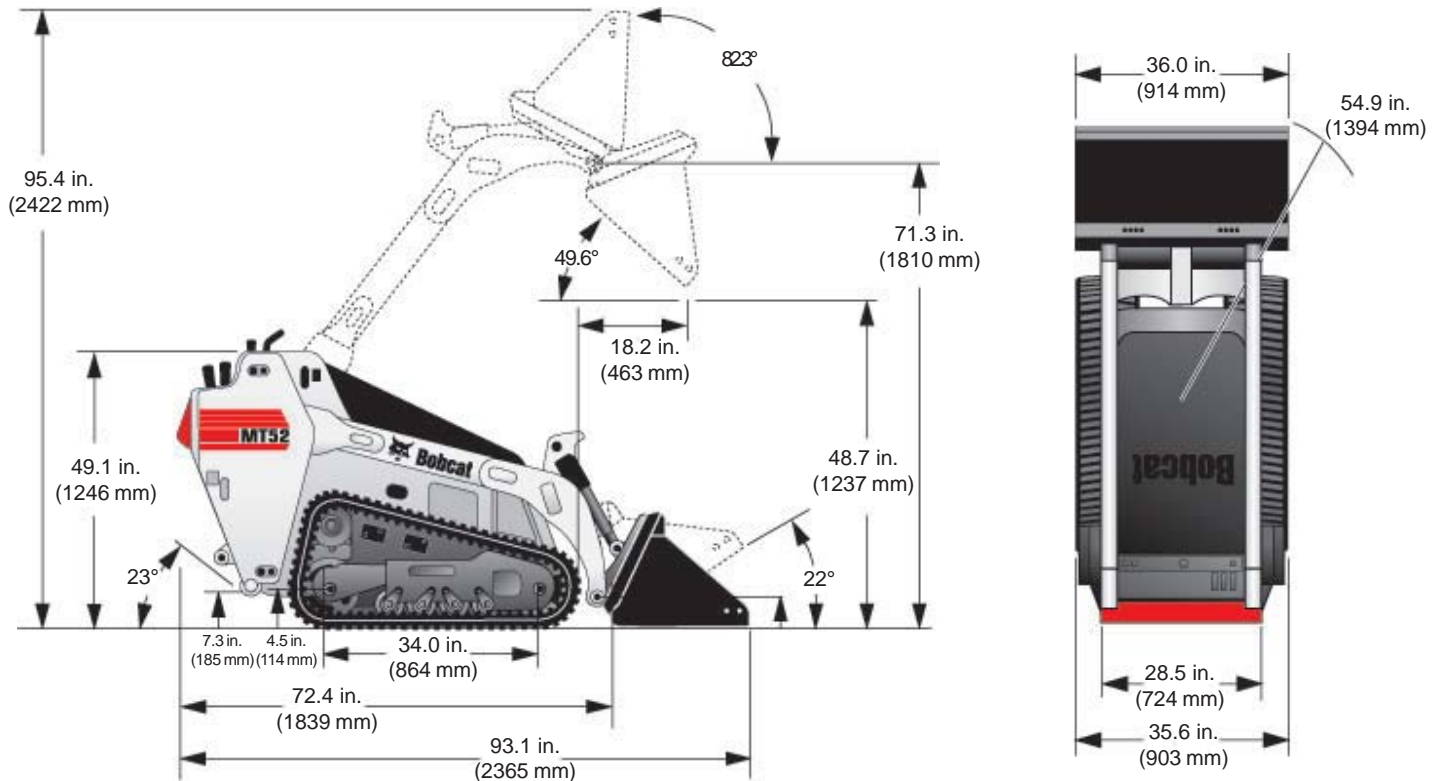


# MT52 MINI TRACK LOADER SPECIFICATIONS

## DIMENSIONS



Angle of Departure .....	23°	Turning Radius with Standard Bucket ..	54.9" (1394 mm)
Carry Position .....	6.6" (168 mm)	Width .....	35.6" (904 mm)
Dump Angle @ Maximum Height .....	49.6°	Wheel Tread (over tracks) .....	28.5" (724 mm)
Dump Height with Standard Bucket .....	48.7" (1237 mm)	Width with 36" Bucket .....	36.0" (914 mm)
Dump Reach @ Maximum Height .....	18.2" (462 mm)		
Ground Clearance .....	4.5" (114 mm)		
Ground Clearance-under platform .....	7.3" (185 mm)		
Height to Bucket Hinge Pin .....	71.3" (1810 mm)		
Height .....	49.1" (1246 mm)		
Length without Attachment .....	72.4" (1839 mm)		
Length with Standard Bucket .....	93.1" (2364 mm)		
Overall Length with Ride-On Platform ...	97.4" (2474 mm)		
Operating Height .....	95.4" (2422 mm)		
Rollback @ Carry Position .....	22°		
Rollback Fully Raised			
@ Maximum Height .....	82.3°		
Ground Contact Length .....	34.0" (864 mm)		

## PERFORMANCE

Rated Operating Capacity (SAE J732) .....	520 lbs. (236 kg.)
Tipping Load (SAE) .....	1600 lbs. (726 kg.)
Operating Weight (SAE) .....	2580 lbs. (1170 kg.)
Travel Speed (Forward) .....	3.5 mph (5,6 km/hr)
Travel Speed (Reverse) .....	1.5 mph (2,3 km/hr)
Lift Breakout Force (SAE) .....	1660 lbf. (7384 N)
Tilt Breakout Force (SAE) .....	2795 lbf. (12433 N)

## ENGINE/ELECTRICAL

Make/Model .....	Kubota/D722-E3B-BC-6
Fuel/Cooling .....	Diesel/Liquid
Horsepower (SAE Gross) .....	20 HP (14,9 kW)
Maximum Governed RPM .....	3600 RPM
Torque @ 2600 RPM (SAE Net) .....	32.4 ft.-lbs. (43,9 Nm)
Number of Cylinders .....	3
Displacement .....	44.0 cu. in. (0,72 L)
Bore/Stroke .....	2.64 in./2.68 in. (67 mm)/(68 mm)
Fuel Consumption .....	1.1 gal/hr (4,2 L/hr)
Lubrication .....	Gear Pump Pressure
Crankcase Ventilation .....	Closed
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; 40 amps; Open
Battery .....	12 volt; 530 cold cranking amps @ 0°F (-18°C); 75 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 .....	12 GPM (45,4 L/min) @ 3750 RPM
System Relief @ Quick Couplers .....	2900 PSI (200 Bar)
Hydraulic Filter .....	Full flow replaceable, 10 micron synthetic media element
Hydraulic Cylinders .....	Double-acting
Control Valve .....	3-Spool, open center series parallel configuration
Fluid Type .....	Bobcat Fluid (P/N 6563328) Motor oil is not an acceptable alternative fluid.

### *Bore Diameter*

Lift Cylinder (2) .....	2.25 in. (57,2 mm)
Tilt Cylinder (1) .....	3.00 in. (76,2 mm)

### *Rod Diameter*

Lift Cylinder (2) .....	1.25 in. (31,8 mm)
Tilt Cylinder (1) .....	1.25 in. (31,8 mm)

### *Stroke*

Lift Cylinder (2) .....	14.16 in. (359,7 mm)
Tilt Cylinder (1) .....	10.56 in. (268,2 mm)

### *Hydraulic Function Times*

Raise Lift Arms .....	3.0 Seconds
Lower Lift Arms .....	2.0 Seconds
Bucket Dump .....	1.7 Seconds
Bucket Rollback .....	1.4 Seconds

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**DRIVE SYSTEM**

Main Drive ..... Fully hydrostatic rubber track drive  
Transmission ..... Direct drive of hydrostatic motor to main undercarriage drive sprocket  
Tracks ..... 7.0" (180 mm) wide, compression spring with triple flange rollers  
Ground Pressure .... 5.2 PSI (35,9 kPa)



**CAPACITIES**

Cooling System ..... 5 qts. (4,7 L)  
Fuel Tank ..... 7 gals. (26,5 L)  
Engine Oil with Filter ..... 3.4 qts. (3,2 L)  
Hydraulic Reservoir ..... 2.5 gals. (9,5 L)  
Hydraulic System ..... 5.3 gals. (20 L)

**CONTROLS**

Vehicle Steering ..... Direction and speed controlled by one multi-function handle  
Loader Hydraulics  
    Lift & Tilt ..... Controlled by one hand lever  
    Front Auxiliary (Std.) ..... Controlled by fore and aft movement of hand lever  
Auxiliary Pressure Release .. Fore and aft movement of hand lever after engine has been shut off.  
Engine ..... Hand lever throttle: Key-type starter switch and shutdown  
Starting Aid ..... Glow Plugs – Activated by key switch  
Service Brake ..... Two independent hydrostatic circuits controlled by one multi-function handle  
Parking Brake ..... Hand lever on right side of control panel

## INSTRUMENTATION

The mini track loader conditions are monitored by a combination of gauges and warning lights in the operator's line of sight that monitor the following functions. The system shall alert the operator of monitored loader malfunctions by way of an audible alarm and visual warning lights.

### Gauges

Engine Coolant Temperature  
Fuel  
Hourmeter  
System Voltage

### Warning Lights

Engine Oil Pressure  
Hydraulic Oil Temperature

## OPTIONS/ACCESSORIES

Attachment Control Kit  
Catalytic Exhaust Purifier  
Engine Block Heater  
Light Kit  
Ride On Platform  
Shutdown Kit

## STANDARD FEATURES

Auxiliary Hydraulics  
Bob-Tach  
Built-in Tie Down and Crane/Lift locations  
Continuous Flow Shutoff Lever  
Hydrostatic Drive Train  
Instrumentation: Hourmeter, Engine Coolant Temperature and Fuel Gauge, Voltmeter and Warning Lights  
Lift & Tilt Lockout  
Lift Arm Lockout with Manual Bypass  
Lift Arm Support  
Liquid-Cooled Diesel Engine  
Neutral Start Interlocks  
Parking Brake  
Reverse Travel Stop Panel  
Spark Arrestor Muffler  
Tilt Steering  
Tracks: 7" wide (180 mm)

## ATTACHMENTS

Adapter Plate  
Angle Broom  
Auger  
Backhoe  
Boring Unit  
Buckets  
Combination Bucket  
Digger  
Grapple, Farm/Utility  
Grapple, Industrial  
Hydraulic Breaker

Landplane  
Pallet Fork  
Snowblower  
Soil Conditioner  
Stump Grinder  
Tiller  
Tree Fork  
Trencher  
Utility Blade  
Utility Forks  
Vibratory Plow

See *Bobcat Product Price List* for specific attachment model availability

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## SERVICEABILITY

Access is available to the following:

Through the rear door:

Battery

Under the hood:

Air cleaner

Alternator

Cooling system (radiator and hydraulic oil coolers)

Engine oil and hydraulic filters

Engine oil dipstick

Fuel filter

Fuse/Relay center

Starter

Easy access to all lift arm grease points

Rod end of the tilt cylinder has a replaceable bushing

## SAFETY

- Continuous Flow Shutoff Lever (Std.) ..... Allows the auxiliary hydraulic control lever to return to neutral when the drive control is released.
- Lift and Tilt Lockout (Std.) ..... Prevents lowering the lift arm or attachment when engine is off.
- 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.
- Lift Arm Support (Std.) ..... Use when servicing if lift arms are raised.
- Lift Points (Std.) ..... Lift points are included so loader may be lifted into remote areas.
- Neutral Start Interlocks (Std.) ..... Prevents starting of engine when drive levers or hydraulic auxiliary lever is engaged.
- Operation & Maintenance Manual (Std.) ..... Stored inside the rear door in a weather resistant container. Provides operation and maintenance instructions.
- Parking Brake (Std.) ..... Always set brake when loader is not in use.
- Reverse Travel Stop Panel (Std.) ..... Returns drive levers to neutral when activated.

## TRAINING RESOURCES

*This videotape is available through Bobcat Parts*

*Bobcat Mini Track Loader Safety Video*

Short and to-the-point video provides basic safety instructions for the Mini Loader.

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