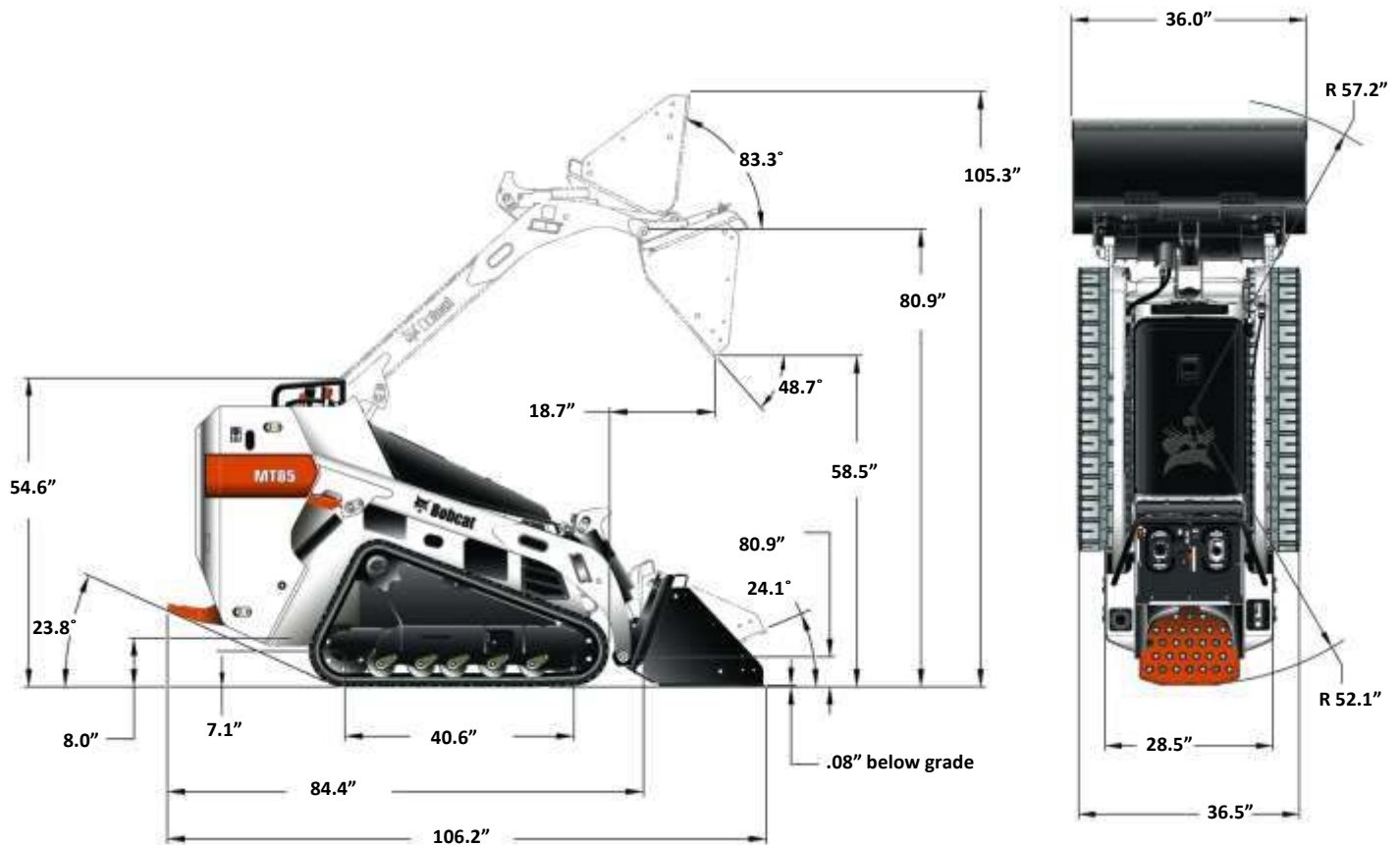


MT85 MINI TRACK LOADER SPECIFICATIONS

DIMENSIONS



Angle of Departure	23.8°
Carry Position	6.7" (171 mm)
Dump Angle @ Maximum Height	48.7°
Dump Height with Standard Bucket	48.7" (1237 mm)
Dump Reach @ Maximum Height	18.7" (475 mm)
Ground Clearance	8.0" (205 mm)
Height to Bucket Hinge Pin	80.9" (2056 mm)
Height	54.6" (1387 mm)
Length without Attachment	84.4" (2145 mm)
Length with Standard Bucket	106.2" (2698 mm) Overall
Length with Ride-On Platform	106.2" (2698 mm)
Operating Height	105.3" (2676 mm)
Rollback @ Carry Position	24.1° Rollback
Fully Raised	
@ Maximum Height	83.3°
Ground Contact Length	40.6" (1032 mm)

Turning Radius with Standard Bucket ..	57.2" (1455 mm)
Width	35.6" (903 mm)
Wheel Tread (over tracks)	28.5" (724 mm)
Width with 36" Bucket	36.0" (914 mm)
Width - optional	41.1" (1055 mm)
Width with 44" Bucket- optional	44.0" (1118 mm)

PERFORMANCE

Rated Operating Capacity (SAE J732)	850 lbs. (385 kg.)
Tipping Load (SAE)	2458 lbs. (1115 kg.)
Operating Weight (SAE)	3103 lbs. (1407 kg.)
Travel Speed (Forward)	4.1 mph (6.6 km/hr)
Travel Speed (Reverse)	2.9 mph (4.7 km/hr)
Lift Breakout Force (SAE)	2347 lbf. (10440 N)
Tilt Breakout Force (SAE)	2171 lbf. (9657 N)

**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.*

ENGINE/ELECTRICAL

Make/Model	Kubota/D902-E4B-BC-1
Fuel/Cooling	Diesel/Liquid
Horsepower (SAE Gross)	24.8 HP (18.5 kW)
Maximum Governed RPM	3600 RPM
Torque @ 2600 RPM (SAE Net)	39.9 ft.-lbs. (54.2 Nm)
Number of Cylinders	3
Displacement	54.9 cu. in. (0.9 L)
Bore/Stroke	2.83 in. /2.90 in. (72 mm/73.6 mm)
Fuel Consumption	1.4 gal/hr (5,3 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; Ventilated
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 6904026)
	Motor oil is not an acceptable alternative fluid.

<i>Bore Diameter</i>	
Lift Cylinder (2)	2.00 in. (50.8 mm)
Tilt Cylinder (1)	3.00 in. (76.2 mm)

<i>Rod Diameter</i>	
Lift Cylinder (2)	1.00 in. (25.4 mm)
Tilt Cylinder (1)	1.25 in. (31.8 mm)

<i>Stroke</i>	
Lift Cylinder (2)	19.00 in. (482.6 mm)
Tilt Cylinder (1)	10.56 in. (268.2 mm)

<i>Hydraulic Function Times</i>	
Raise Lift Arms	3.2 Seconds
Lower Lift Arms	3.1 Seconds
Bucket Dump	1.7 Seconds
Bucket Rollback	1.5 Seconds

DRIVE SYSTEM

Main Drive	Fully hydrostatic rubber track drive
Transmission	Direct drive of hydrostatic motor to main undercarriage drive sprocket
Tracks	7.1" (180 mm) wide or optional 9.8" (250 mm), compression spring with triple flange rollers
Ground Pressure	4.9 PSI (33,0 kPa) or 3.6 PSI (25 kPa)



CAPACITIES

Cooling System	5 qts. (4.7 L)
Fuel Tank	7 gals. (26.5 L)
Engine Oil with Filter	3.8 qts. (3.6 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 one hand lever
- 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 lever
- 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.

- | | |
|----------------------------|---------------------------|
| <u>Gauges</u> | <u>Warning Lights</u> |
| Engine Coolant Temperature | Engine Oil Pressure |
| Fuel | Hydraulic Oil Temperature |
| Hourmeter | |
| System Voltage | |

OPTIONS/ACCESSORIES

- Attachment Control Kit
- Auxiliary hydraulics Mode Switch Kit
- Catalytic Exhaust Purifier
- Engine Block Heater
- Light Kit
- Radiator Screen Kit
- Shutdown Kit
- Tracks: 9.8" wide (250 mm)

ATTACHMENTS

Angle Broom
Attachment Interface
Auger
Buckets
Combination Bucket
Digger
Grapple, Farm/Utility
Grapple, Industrial
Hydraulic Breaker
Landplane
Pallet Forks
Snowblower
Soil Conditioner
Stump Grinder
Tiller
Trencher
Utility Blade
Utility Forks
Vibratory Plow

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

STANDARD FEATURES

Auxiliary Hydraulics
Attachment Interface choice:
 Bob-Tach or
 Common Industry Interface (CII)
Built-in Tie Down and Crane/Lift locations
Continuous Flow Shut off Lever
Hydrostatic Drive Train
Instrumentation:
 Hourmeter,
 Engine Coolant
 Temperature and Fuel Gauge
 Voltmeter
 Warning Lights
Lift Arm Lockout with Manual Bypass
Lift Arm Support
Liquid-Cooled Diesel Engine
Neutral Start Interlocks
Parking Brake
Spark Arrestor Muffler
Tilt Lockout
Tracks: 7.1"wide (180mm)

SERVICEABILITY

Access is available to the following:

Through the rear door:

- Battery
- Hydraulic fluid check & fill

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.

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.