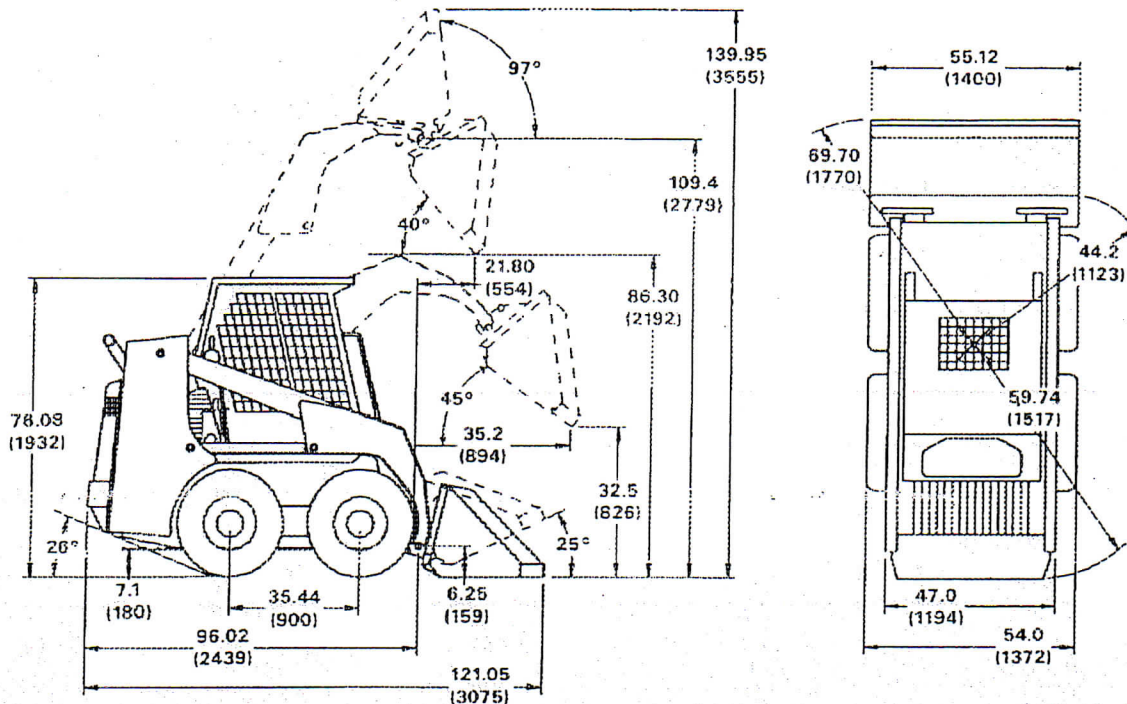


LOADER SPECIFICATIONS

LOADER DIMENSIONS

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



MC-1113

This loader was designed without counterweights or ballasts. 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.

OPERATION & PERFORMANCE

Weights

Operating Weight	4750 lbs. (2155 kg)
Rated Operating Capacity	1200 lbs. (544 kg)
Tipping Load	2400 lbs. (1090 kg)

Travel Speed

Infinitely variable 0-6.0 MPH (9.7 km/hr.)

Controls

Vehicle	Direction & speed controlled by two hand levers. Lift, tilt functions controlled by separate foot pedals. Auxiliary functions controlled by electrical push buttons on right steering lever. Hand lever throttle; key-type starter switch; Hydrostatic
Loader Function	
Engine	
Main Drive	Two independent hydrostatic systems controlled by two hand operated steering levers. One of the hydrostatic transmissions
Service Brake	
Secondary Brake	Spring activated mechanical traction lock applied when seat bar is up, key is turned off or when foot pedal is engaged.
Parking Brake	

ENGINE

Make	Melroe
Model	XUD9
Fuel	Diesel
Horsepower	38 HP (28.4 kW)
Maximum Governed RPM	3100 RPM
Torque	83 ft.-lbs. (113 Nm) @ 1600 RPM
Number of Cylinders	Four
Bore/Stroke	3.268/3.465 (83/88)
Displacement	116.0 cu.in. (1905 cu. cm.)
Cooling System	Liquid
Lubrication	Pressure System W/Filter
Crankcase Ventilation	Closed
Air Cleaner	Dry replaceable cartridge, dual safety element
Ignition	Diesel-Compression
Low Idle	1100 RPM
High Idle	2400 RPM

751

Direction & speed controlled by two hand levers.
Lift, tilt functions controlled by separate foot pedals. Auxiliary functions controlled by electrical push buttons on right steering lever.
Hand lever throttle; key-type starter switch;
Hydrostatic
Two independent hydrostatic systems controlled by two hand operated steering levers.
One of the hydrostatic transmissions
Spring activated mechanical traction lock applied when seat bar is up, key is turned off or when foot pedal is engaged.

Melroe
XUD9
Diesel
38 HP (28.4 kW)
3100 RPM
83 ft.-lbs. (113 Nm) @ 1600 RPM
Four
3.268/3.465 (83/88)
116.0 cu.in. (1905 cu. cm.)
Liquid
Pressure System W/Filter
Closed
Dry replaceable cartridge, dual safety element
Diesel-Compression
1100 RPM
2400 RPM

LOADER SPECIFICATIONS (Cont'd)

751

HYDRAULIC SYSTEM

Pump	Engine driven gear type
Pump Capacity	13.0 GPM (49,2 L/min.) @ 2480 RPM @ 1150 PSI (7929 kPa)
System Main Relief	2500–2600 PSI (17237–17926 kPa) @ Quick Couplers
Filter	Full flow replaceable #3 micron synthetic medial element
Hydraulic Cylinders	Doubleacting
Bore Diameter:	
Lift Cylinder (2)	2.00 (50,8)
Tilt Cylinder (1)	3.25 (82,6)
Rod Diameter:	
Lift Cylinder (2)	1.25 (31,8)
Tilt Cylinder (1)	1.50 (38,1)
Stroke:	
Lift Cylinder (2)	26.32 (669)
Tilt Cylinder (1)	14.50 (368)
Control Valve	3–spool, open center, series type W/float detent on lift & electrical controlled auxiliary
Fluid Lines	SAE standard tubes, hoses & fittings
Hydraulic Function Time:	
Raise Lift Arms to Maximum Height	3.5 Seconds
Lower Lift Arms from Maximum Height	2.8 Seconds
Move Empty Bucket to Dump Position	2.8 Seconds
Move Bucket to Retracted Position	2.0 Seconds
Fluid Type	Bobcat Fluid (P/N 6563328) If fluid is not available, use 10W–30/10W–40 Class SE Motor Oil for temperatures above 0°F. (–18°C) & 5W–30 Motor Oil for temperatures below 0°F (–18°C).
ELECTRICAL	
Alternator	Belt drive, 55 amps. Open
Battery	12 volt, 425 cold crank amps. @ 0°F (–18°C) 160 min. reserve capacity
Starter	12 volt, 2.00 HP (1,5 kW)
DRIVE SYSTEM	
Transmission	Tandem hydro. pumps infinitely variable, driving 2 fully reversing hydrostatic motors
Final Drive	#80 HS roller chain & sprockets in sealed chaincase with oil lubrication
Total Engine to Wheel Reduction	42:09:1
Filter	Case Drain 90 Micron
CAPACITIES	
Cooling System	13 qts. (12,3 L)
Fuel	14 gals. (53 L)
Engine Oil W/Filter	6 qts. (5,7 L)
Hydraulic Reservoir	14 qts. (13,2 L)
Hydraulic/Hydrostatic System	6 gals. (22,7 L)
Chaincase Reservoir	8 gals. (30,3 L)
TIRES	
Recommended Pressure	Inflate tires to the MAXIMUM pressure shown on the side wall of the tire. DO NOT mix brands of tires used on the same loader.
VIBRATION DATA	
Hand Arm Vibration	Less Than 2,5 m/sec ² RMS (tested per ISO 5349)
Whole Body Vibration	Less Than 0,5m/sec ² RMS (tested per ISO 7096)