

PRODUCT SPECIFICATIONS FOR 950 GC



ENGINE

Net Power - ISO 9249	225 HP
Emissions	Tier 4/Stage V
Displacement	428 in ³
Maximum Net Power - 1,700 rpm - ISO 9249 - Metric	228 HP
Maximum Power - 1,700 rpm - ISO 14396	240 HP
Maximum Power - 1,700 rpm - ISO 14396 - Metric	243 HP
Peak Gross Torque - 1,400 rpm - SAE J1995	811 ft·lbf
Peak Gross Torque - 1,400 rpm - ISO 14396	805 ft·lbf
Engine Model	Cat C7.1
Maximum Net Power - 1,700 rpm - ISO 9249	225 HP
Maximum Net Power - 1,700 rpm - SAE J1349	225 HP
Maximum Power - 1,700 rpm - SAE J1995	241 HP
Note	The air conditioning system on this machine contains the fluorinated greenhouse gas refrigerant R134a (Global Warming Potential = 1430). The system contains 1.9 kg (4.2 lb) of refrigerant which has a CO2 equivalent of 2.717 metric tonnes (2.995 tons).

Bore	4.13 in
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Stroke	5.31 in
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WEIGHTS

Operating Weight	41554 lb
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BUCKETS

Bucket Capacities	2.9-4.4 m ³ (3.75-5.75 yd ³)
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TRANSMISSION

Reverse - 3	14.2 mile/h
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Forward - 3	14.2 mile/h
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Forward - 1	4.5 mile/h
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Forward - 2	8 mile/h
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Forward - 4	22.4 mile/h
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Reverse - 2	8 mile/h
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Reverse - 1	4.5 mile/h
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Note Maximum travel speed in standard vehicle with empty bucket and standard L3 tires with 760 mm (30 in) roll radius.

HYDRAULIC SYSTEM

Hydraulic Cycle Time - Total Cycle Time	9.4 s
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Steering System - Pump Type	Piston
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Implement System - Maximum Operating Pressure @ 50 ± 1.5 L/min (13.2 + 0.4 gal/min)	4047 psi
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Implement System - Maximum Pump Output at 2,390 rpm

68 gal/min

SERVICE REFILL CAPACITIES

DEF Tank

4.2 gal (US)

Transmission

11.9 gal (US)

Fuel Tank Size

76.6 gal (US)

Cooling System

13.2 gal (US)

Differential - Final Drives - Rear

10 gal (US)

Differential - Final Drives - Front

10.6 gal (US)

Crankcase

4.8 gal (US)

Hydraulic Tank

29.6 gal (US)

SOUND

With Cooling Fan Speed at Maximum Value -
Operator Sound Pressure Level (ISO 6396:2008)

73 dB(A)

With Cooling Fan Speed at Maximum Value -
Exterior Sound Power Level (ISO 6395:2008)

109 dB(A)

With Cooling Fan Speed at Maximum Value -
Exterior Sound Pressure Level (SAE J88:2013)

76 dB(A)*

Note (1)

*Distance of 15 m (49.2 ft), moving forward in second gear ratio.

With Cooling Fan Speed at 70% of Maximum Value:
Note (2)

European Union Directive "2000/14/EC" as amended by "2005/88/EC."

With Cooling Fan Speed at 70% of Maximum Value
- Operator Sound Pressure Level (ISO 6396:2008)**

73 dB(A)

**With Cooling Fan Speed at 70% of Maximum Value:
Note (1)**

For machines in European Union countries and in countries that adopt the EU Directives

With Cooling Fan Speed at Maximum Value - Note

Distance of 15 m (49.2 ft), moving forward in second gear ratio.

**With Cooling Fan Speed at 70% of Maximum Value
- Exterior Sound Power Level (ISO 6395:2008)****

107 LWA***

Note (3)

***European Union Directive "2000/14/EC" as amended by "2005/88/EC."

Note (2)

**For machines in European Union countries and in countries that adopt the "EU Directives."

DIMENSIONS

Rack Back - Ground 40 degrees

Height - Top of Exhaust Pipe 11.17 ft

Centerline of Rear Axle to Hitch 5.42 ft

Lift Arm Clearance 12 ft

B-Pin Height 13.75 ft

Centerline of Rear Axle to Edge of Counterweight 6.75 ft

Ground Clearance 1.5 ft

Rack Back - Maximum Lift 60 degrees

Height - Top of Hood 8.75 ft

Wheel Base 10.83 ft

Height - Top of ROPS 11.33 ft

Rack Back - Carry

45 degrees

Note

All dimensions are approximate and based on MAXAM MS302 23.5R25 L3 radial tires.

WEIGHTS AND OPERATING SPECIFICATIONS

Note (2)

*Full compliance to ISO (2007) 14397-1 Sections 1 thru 6, which requires 2% verification between calculations and testing.

Tipping Load - Full Turn - Rigid Tires**

25875 lb

Breakout Force

34638 lbf

Tipping Load - Full Turn - ISO 14397-1*

24264 lb

Note (3)

**Compliance to ISO (2007) 14397-1 Sections 1 thru 5.

Operating Weight

41554 lb

Note (1)

For 3.1 m³ (4 yd³) general purpose buckets with BOCE. Weight based on a machine configuration with MAXAM MS302 23.5R25 L3 radial tires, full fluids, operator, standard counterweight, cold start, roading fenders, Product Link™, secondary steering, sound suppression.

ENGINE - TIER 4 FINAL/STAGE IV

Emissions

Tier 4/Stage IV

950 GC STANDARD EQUIPMENT

NOTE

Standard and optional equipment may vary. Consult your Cat dealer for details.

POWER TRAIN

Engine - Cat C7.1 meets Tier 4 Final/Stage IV emissions standards

Torque converter

Transmission, automatic, power shift (4F/3R), kick-down function, overspeed protection

Brakes, full hydraulic enclosed wet-disc

EIMS (Engine Idle Management System)

EIS (Auto Idle Shutdown)

Fan, radiator, electronically controlled, hydraulically driven, temperature sensing, on demand

Filter, fuel primary-water separator/secondary

Radiator, unit core (9.5 fpi) with ATAAC

Starting aid, glow plugs

Switch, transmission neutralizer lockout

HYDRAULICS

Load sensing implement system pilot operated

Dedicated load sensing steering pump

Dedicated brake and fan gear pump

ELECTRICAL

Alarm, back-up/main disconnect switch

Alternator (145-amp, brush type)

Batteries (2), maintenance free

Ignition key; start/stop switch

Lighting system, halogen (6 total) - Four (4) halogen work lights; Two (2) halogen road lights

Starting and charging system (24-volt)

Starter, electric (heavy duty)

OPERATOR ENVIRONMENT

Air conditioning (HVAC) with 10 vents and filter unit located outside of cab

Bucket/work tool function lockout

Cab, pressurized and sound suppressed

Hydroformed (ROPS/FOPS) structure

12V power port (10A)

Coat hook

Radio ready

Rear vision camera and display

Pilot hydraulic controls, lift and tilt function

Computerized monitoring system

Gauges - Engine coolant temperatures/fluid level; Hydraulic/transmission oil temperature; Tachometer/DEF level

Digital indicators - Gear indicator; Speedometer; Service meter units; Fault codes

Warning indicators - Air inlet heater; Electrical malfunction; Engine inlet manifold temperature; Engine oil pressure, fuel level; Fuel pressure high/low; Hydraulic oil level, parking brake; Primary steering oil pressure; Service brake oil pressure; Action light, engine malfunction; Transmission filter bypass

Heater and defroster

Horn

Cup holders and personal tray on right console

Storage tray behind seat

Mirrors, rearview external

Seat, Cat Comfort (clutch) suspension

Seat belt

Steering column, adjustable angle

Wipers/washers (front and rear)

Window, sliding (left and right side)

TIRES, RIMS, AND WHEELS

Tires are available from Triangle, Maxam and Bridgestone
Offerings vary by region. Consult your local Cat dealer for further details

FLUIDS

Premixed 50% concentration of extended life coolant with freeze protection to -34° C (-29° F)

OTHER STANDARD EQUIPMENT

Lift and bucket return-to-dig kick outs (Electro-Magnetic), mechanical adjustment
Couplings, Cat O-ring face seal
Doors, service access (locking)
Front fender, steel
Grill, airborne debris
Hitch, drawbar with pin
Hood, wing doors
Hoses, Cat XT
Counterweight
Linkage, Z-bar, fabricated crosstube/tilt lever
S•O•S oil sampling valves
Sight gauges - Engine coolant, hydraulic oil; Transmission oil level
Diagnostic pressure taps
Product Link Ready

950 GC OPTIONAL EQUIPMENT

NOTE

Standard and optional equipment may vary. Consult your Cat dealer for details.

OPTIONAL EQUIPMENT

Cold weather starting (jacket water heater, electric and ether starting aid)
Third hydraulic function, additional dedicated single axis level
Quick coupler control
Limited slip differentials
Ride control
Air suspended seat
Secondary steering, electrical
Reversing cooling fan (auto/manual controlled)
Toolbox
Sun visor, rear
High capacity converted 12V/15A
Warning beacon
Extra working lights (4), Halogen or LED
Radio

Fender extensions/roading