

# PRODUCT SPECIFICATIONS FOR 950 GC



## ENGINE

<b>Net Power - ISO 9249</b>	225 HP
<b>Emissions</b>	Tier 4/Stage V
<b>Displacement</b>	428 in <sup>3</sup>
<b>Maximum Net Power - 1,700 rpm - ISO 9249 - Metric</b>	228 HP
<b>Maximum Power - 1,700 rpm - ISO 14396</b>	240 HP
<b>Maximum Power - 1,700 rpm - ISO 14396 - Metric</b>	243 HP
<b>Peak Gross Torque - 1,400 rpm - SAE J1995</b>	811 ft·lbf
<b>Peak Gross Torque - 1,400 rpm - ISO 14396</b>	805 ft·lbf
<b>Engine Model</b>	Cat C7.1
<b>Maximum Net Power - 1,700 rpm - ISO 9249</b>	225 HP
<b>Maximum Net Power - 1,700 rpm - SAE J1349</b>	225 HP
<b>Maximum Power - 1,700 rpm - SAE J1995</b>	241 HP
<b>Note</b>	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).

<b>Bore</b>	4.13 in
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<b>Stroke</b>	5.31 in
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## WEIGHTS

<b>Operating Weight</b>	41554 lb
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## BUCKETS

<b>Bucket Capacities</b>	2.9-4.4 m <sup>3</sup> (3.75-5.75 yd <sup>3</sup> )
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## TRANSMISSION

<b>Reverse - 3</b>	14.2 mile/h
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<b>Forward - 3</b>	14.2 mile/h
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<b>Forward - 1</b>	4.5 mile/h
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<b>Forward - 2</b>	8 mile/h
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<b>Forward - 4</b>	22.4 mile/h
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<b>Reverse - 2</b>	8 mile/h
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<b>Reverse - 1</b>	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

<b>Hydraulic Cycle Time - Total Cycle Time</b>	9.4 s
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<b>Steering System - Pump Type</b>	Piston
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<b>Implement System - Maximum Operating Pressure @ 50 ± 1.5 L/min (13.2 + 0.4 gal/min)</b>	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 m<sup>3</sup> (4 yd<sup>3</sup>) 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