

# PRODUCT SPECIFICATIONS FOR 950 GC

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## ENGINE

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<b>Net Power - ISO 9249</b>	151 kW
<b>Engine Model</b>	Cat C7.1
<b>Bore</b>	105 mm
<b>Stroke</b>	135 mm
<b>Displacement</b>	7.01 l
<b>Maximum Gross Torque - 1,400 rpm</b>	1020 N·m
<b>Rated Net Power - 2,200 rpm - ISO 9249</b>	151 kW
<b>Rated Gross Power - 2,200 rpm - ISO 14396</b>	168 kW
<b>Maximum Gross Power - 2,000 rpm - ISO 14396</b>	171 kW
<b>Maximum Net Torque - 1,300 rpm</b>	931 N·m

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## WEIGHTS

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<b>Operating Weight</b>	18676 kg
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## BUCKETS

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<b>Bucket Capacities</b>	2.5 m <sup>3</sup> to 4.4 m <sup>3</sup> (3.3 yd <sup>3</sup> to 5.75 yd <sup>3</sup> )
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## OPERATING SPECIFICATIONS

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<b>Breakout Force</b>	147 kN
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<b>Note (1)</b>	**Compliance to ISO (2007) 14397-1 Sections 1 thru 5.
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<b>Static Tipping Load - Full 40° Turn - Rigid Tires**</b>	11197 kg
<b>Static Tipping Load - Full 40° Turn - ISO 14397-1*</b>	10503 kg
<b>Note (2)</b>	*Full compliance to ISO (2007) 14397-1 Sections 1 thru 6, which requires 2% verification between calculations and testing.

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## TRANSMISSION

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<b>Forward - 1</b>	7 km/h
<b>Forward - 2</b>	12.5 km/h
<b>Forward - 3</b>	22 km/h
<b>Forward - 4</b>	34 km/h
<b>Reverse - 1</b>	7 km/h
<b>Reverse - 2</b>	12.5 km/h
<b>Reverse - 3</b>	22 km/h

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## HYDRAULIC SYSTEM

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<b>Steering System - Pump Type</b>	Piston
<b>Hydraulic Cycle Time - Dump, at Maximum Raise</b>	1.2 s
<b>Hydraulic Cycle Time - Total Cycle Time</b>	10.1 s
<b>Hydraulic Cycle Time - Lower, Empty, Float Down</b>	2.8 s
<b>Hydraulic Cycle Time - Raise from Carry Position</b>	6.1 s
<b>Implement System - Optional 3rd Function Maximum Flow</b>	280 l/min
<b>Implement System - Maximum Pump Output at 2,200 rpm</b>	248 l/min
<b>Implement System Pump Type</b>	Piston
<b>Implement System - Maximum Operating Pressure @ 50 + 1.5 l/min (13.2 + 0.4 gal/min)</b>	27900 kPa

Pressure @ 70 L/min (10.2 + 0.4 gal/min)

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<b>Implement System - Optional 3rd Function Maximum Pressure @ 70 L/min</b>	20680 kPa
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## BRAKES

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<b>Brakes</b>	Brakes meet ISO 3450
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## TIRES

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<b>Choices</b>	Choices include: 23.5-25 16PR, L3 (Triangle); 23.5R25 ??, L3 (Triangle); 23.5R25 ?, L3 (Bridgestone)
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## CAB

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<b>ROPS/FOPS</b>	ROPS/FOPS meet ISO 3471 and ISO 3449 Level II standards
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## SERVICE REFILL CAPACITIES

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<b>Differential - Final Drives - Front</b>	40 l
<b>Crankcase</b>	20 l
<b>Fuel Tank Size</b>	290 l
<b>Differential - Final Drives - Rear</b>	38 l
<b>Transmission</b>	45 l
<b>Hydraulic Tank</b>	120 l
<b>Cooling System</b>	48 l

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## DIMENSIONS

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<b>B-Pin Height</b>	4188 mm
<b>B-Pin Height - Carry</b>	655 mm
<b>Lift Arm Clearance</b>	3649 mm
<b>Centerline of Rear Axle to Edge of Counterweight</b>	2001 mm
<b>Height - Top of ROPS</b>	3458 mm
<b>Height - Top of Exhaust Pipe</b>	3596 mm
<b>Height - Top of Hood</b>	2568 mm
<b>Ground Clearance</b>	460 mm
<b>Wheel Base</b>	3300 mm
<b>Centerline of Rear Axle to Hitch</b>	1650 mm
<b>Rack Back - Maximum Lift</b>	60 °
<b>Dump Angle at Maximum Lift</b>	52 °
<b>Rack Back - Carry</b>	45 °
<b>Rack Back - Ground</b>	40 °
<b>Height - Center Line of Axle</b>	750 mm

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#### TURNING RADIUS

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<b>Turning Radius - Inside of Tires</b>	3419 mm
<b>Turning Radius - Outside Edge of Counterweight</b>	6190 mm
<b>Turning Radius - Outside of Tires</b>	6164 mm
<b>Width - Over Tires</b>	2745 mm

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## 950 GC STANDARD EQUIPMENT

### POWER TRAIN

Engine - Cat C7.1 Stage IIIA/Tier 3

Torque converter

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

Brakes, full hydraulic enclosed wet-disc

EIMS (Engine Idle Management System)

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

Filter, fuel primary/secondary/tertiary

Fuel/water separator

Filters, engine air, primary/secondary

Fuel priming pump (manual)

Muffler, sound suppressed

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 (115-amp, brush type)

Batteries, maintenance free (2×900 CCA)

Ignition key; start/stop switch

Lighting system, halogen (6 total): - Four (4) halogen work lights - Two (2) halogen roading lights

Starting and charging system (24-volt)

Starter, electric (heavy duty)

#### OPERATOR ENVIRONMENT

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

Bucket/work tool function lockout

#### BUCKET/WORK TOOL FUNCTION LOCKOUT

Cab, pressurized and sound suppressed

Hydroformed (ROPS/FOPS) structure

12V power port (10A)

Coat hook

Pilot hydraulic controls, lift and tilt function; two (2) single axis levers or joystick

Heater and defroster

Horn

Cup holders and personal tray on right console

Storage tray behind seat

Mirrors, rearview internal and external

Seat, Cat Comfort (cloth) mechanical suspension, auto-retractable seat belt

Steering column, adjustable angle

Wipers/washers (front and rear)

Window, sliding (left and right side)

Computerized monitoring system

#### OTHER STANDARD EQUIPMENT

Lift and return-to-dig kick outs (Electro-Magnetic), mechanical adjustment

Doors, service access (locking)

Fenders (front and rear) steel

Grill, airborne debris

Hitch, drawbar with pin

Hood, non-metallic on steel structure

Counterweight, 1800 kg

Linkage, Z-bar, fabricated crosstube/tilt lever

S·O·S oil sampling valves

Product Link Ready