

# PRODUCT SPECIFICATIONS FOR 313 GC



## ENGINE

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<b>Net Power - ISO 9249</b>	54.3 kW
<b>Engine Model</b>	Cat C3.6
<b>Engine Power - ISO 14396</b>	55.4 kW
<b>Bore</b>	98 mm
<b>Stroke</b>	120 mm
<b>Displacement</b>	3.6 l

## HYDRAULIC SYSTEM

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<b>Main System - Maximum Flow</b>	247 L/min (65 gal/min)
<b>Maximum Pressure - Equipment</b>	35000 kPa
<b>Maximum Pressure - Travel</b>	35000 kPa
<b>Maximum Pressure - Swing</b>	26000 kPa

## SWING MECHANISM

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<b>Swing Speed</b>	11.5 r/min
<b>Maximum Swing Torque</b>	35 kN·m

## WEIGHTS

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<b>Operating Weight</b>	13800 kg
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## SERVICE REFILL CAPACITIES

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<b>Fuel Tank Capacity</b>	258 l
<b>Cooling System</b>	15 l
<b>Engine Oil</b>	8 l
<b>Final Drive - Each</b>	3 l
<b>Hydraulic System - Including Tank</b>	85 l
<b>Hydraulic Tank</b>	70 l

## DIMENSIONS

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<b>Boom</b>	Reach 4.65 m (15'3")
<b>Stick</b>	Reach R3 m (9'8")
<b>Bucket</b>	GD 0.53 m <sup>3</sup> (0.69 yd <sup>3</sup> )
<b>Shipping Height - Top of Cab</b>	2810 mm
<b>Handrail Height</b>	2810 mm
<b>Shipping Length</b>	7780 mm
<b>Shipping Length - with Blade</b>	8050 mm
<b>Tail Swing Radius</b>	2190 mm
<b>Counterweight Clearance</b>	916 mm
<b>Ground Clearance</b>	446 mm
<b>Track Length</b>	3750 mm
<b>Length to Center of Rollers</b>	3040 mm
<b>Track Gauge</b>	1990 mm
<b>Transport Width</b>	2490 mm

## WORKING RANGES & FORCES

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<b>Maximum Digging Depth</b>	6040 mm
<b>Boom</b>	Reach 4.65 m (15'3")
<b>Stick</b>	Reach R3 m (9'8")
<b>Bucket</b>	GD 0.53 m <sup>3</sup> (0.69 yd <sup>3</sup> )
<b>Maximum Reach at Ground Level</b>	8660 mm
<b>Maximum Cutting Height</b>	8830 mm
<b>Maximum Loading Height</b>	6420 mm
<b>Minimum Loading Height</b>	1600 mm
<b>Maximum Depth Cut for 2440 mm (8 ft) Level Bottom</b>	5860 mm
<b>Maximum Vertical Wall Digging Depth</b>	5190 mm
<b>Minimum Working Equipment Radius</b>	2570 mm
<b>Bucket Digging Force - ISO</b>	98.67 kN
<b>Stick Digging Force - ISO</b>	59.29 kN

## AIR CONDITIONING SYSTEM

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### Air Conditioning

The air conditioning system on this machine contains the fluorinated greenhouse gas refrigerant R134a (Global Warming Potential = 1430). The system contains 0.85 kg of refrigerant which has a CO<sub>2</sub> equivalent of 1.216 metric tonnes.

# 313 GC STANDARD EQUIPMENT

## NOTE

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

## BOOM AND STICKS

- 4.65 m (15'3") Reach boom

## CAB

- Rollover protective structure (ROPS)
- Comfort Cab: mechanical suspension seat, 203 mm (8") touch screen monitor

## CAT TECHNOLOGIES

- Cat Product Link
- Remote Flash
- Remote Troubleshoot
- Auto hammer stop

## ELECTRICAL SYSTEM

- Maintenance free battery
- LED chassis light, left-side boom light, cab lights
- Programmable time-delay LED working lights

## ENGINE

- Cat C3.6 single turbo diesel engine
- Auto engine speed control
- Auto engine shutdown
- 52°C (125°F) high-ambient cooling capacity without de-rate
- -18°C (0°F) cold start capability
- Electric fuel priming pump
- Variable speed fan
- Single fuel filtration system

- Double element air filter with integrated precleaner
- Biodiesel capability up to B20

## **HYDRAULIC SYSTEM**

- Boom and stick regeneration circuit
- Auto hydraulic warm up
- Auto two speed travel
- Electric main control valve
- Boom and stick drift reduction valve

## **SAFETY AND SECURITY**

- Rear and right-side-view cameras
- Hydraulic lock out lever
- Ground-level engine shutoff switch
- Service platform with anti-skid plate and countersunk bolts
- Signaling/warning horn

## **SERVICE AND MAINTENANCE**

- Grouped engine oil and fuel filters
- Side entry to service platform
- Ground-level engine oil dipstick
- Sampling ports for Scheduled Oil Sampling (S·O·S)

## **UNDERCARRIAGE AND STRUCTURES**

- Grease lubricated track link
- ISO 15818 tie down points on base frame
- 2470 kg (5,445 lb) counterweight

# **313 GC OPTIONAL EQUIPMENT**

## **NOTE**

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

## **BOOM AND STICKS**

- 2.5 m (8'2") Reach stick
- 2.8 m (9'2") Reach stick
- 2.8 m (9'2") Thumb Ready stick
- 3.0 m (9'10") Reach stick

## **ELECTRICAL SYSTEM**

- LED right-side boom light
- 360° lighting

## **HYDRAULIC SYSTEM**

- Boom and stick lowering check valves
- Medium-pressure line
- High-pressure line
- Quick coupler line

## **SAFETY AND SECURITY**

- Swing alarm
- Inspection lighting

## **SERVICE AND MAINTENANCE**

- Integrated vehicle health management system

## **UNDERCARRIAGE AND STRUCTURES**

- 500 mm (20") triple grouser shoes
- 500 mm (20") triple grouser shoes with rubber pad
- 600 mm (24") rubber track shoes
- 600 mm (24") triple grouser shoes
- 700 mm (28") triple grouser shoes
- 770 mm (30") triple grouser shoes
- 2500 mm (8'2") blade
- 2600 mm (8'6") blade
- 2700 mm (8'10") blade