

# Product Specifications For 315 GC



## Engine

<b>Net Power - ISO 9249</b>	98 hp
<b>Engine Model</b>	Cat C3.6
<b>Engine Power - ISO 14396</b>	100 hp
<b>Engine Power - ISO 14396 (DIN)</b>	101 hp (metric)
<b>Net Power - ISO 9249 (DIN)</b>	100 hp (metric)
<b>Bore</b>	4 in
<b>Stroke</b>	5 in
<b>Displacement</b>	220 in <sup>3</sup>
<b>Biodiesel Capability</b>	Up to B20 <sup>1</sup>
<b>Emissions</b>	Meets U.S. EPA Tier 4 Final, EU Stage V, and Japan 2014 emission standards
<b>Note (1)</b>	Net power advertised is the power available at the flywheel when the engine is equipped with fan, air intake system, exhaust system and alternator with engine speed at 2,400 rpm. Advertised power is tested per the specified standard in effect at the time of manufacture.

**Note (2)**

<sup>1</sup>Cat diesel engines are required to use ULSD (ultra-low sulfur diesel fuel with 15 ppm of sulfur or less) or ULSD blended with the following lower-carbon intensity fuels\*\* up to: 20% biodiesel FAME (fatty acid methyl ester)\* or 100% renewable diesel, HVO (hydrotreated vegetable oil) and GTL (gas-to-liquid) fuels. Refer to guidelines for successful application. Please consult your Cat dealer or “Caterpillar Machine Fluids Recommendations” (SEBU6250) for details. \* Engines with no aftertreatment devices can use higher blends, up to 100% biodiesel (for use of blends higher than 20% biodiesel, consult your Cat dealer).\*\* Tailpipe greenhouse gas emissions from lower-carbon intensity fuels are essentially the same as traditional fuels.

## Hydraulic System

<b>Main System - Maximum Flow</b>	247 L/min (65 gal/min)
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<b>Maximum Pressure - Equipment</b>	5075 psi
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<b>Maximum Pressure - Travel</b>	5075 psi
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<b>Maximum Pressure - Swing</b>	3770 psi
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## Swing Mechanism

<b>Swing Speed</b>	11.5 r/min
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<b>Maximum Swing Torque</b>	25815 lbf·ft
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## Weights

<b>Operating Weight</b>	34000 lb
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## Service Refill Capacities

<b>Fuel Tank Capacity</b>	49.4 gal (US)
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<b>Cooling System</b>	4 gal (US)
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<b>Engine Oil</b>	2.1 gal (US)
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<b>Final Drive - Each</b>	0.8 gal (US)
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<b>Hydraulic System - Including Tank</b>	22.5 gal (US)
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Hydraulic Tank

19 gal (US)

## Dimensions

Boom

Reach 4.65 m (15'3")

Stick

Reach R3 m (9'10")

Bucket

GD 0.68 m<sup>3</sup> (0.89 yd<sup>3</sup>)

Shipping Height - Top of Cab

9.3 ft

Handrail Height

9.4 ft

Shipping Length

24.5 ft

Shipping Length - with Blade

26.3 ft

Tail Swing Radius

5.2 ft

Counterweight Clearance

2.9 ft

Ground Clearance

1.4 ft

Track Length

12.3 ft

Length to Center of Rollers

10 ft

Track Gauge

6.5 ft

Transport Width

8.8 ft

## Working Ranges And Forces

Maximum Digging Depth

19.7 ft

Boom

Reach 4.65 m (15'3")

Stick

Reach R3 m (9'10")

<b>Bucket</b>	GD 0.68 m <sup>3</sup> (0.89 yd <sup>3</sup> )
<b>Maximum Reach at Ground Level</b>	28.5 ft
<b>Maximum Cutting Height</b>	31.8 ft
<b>Maximum Loading Height</b>	23.7 ft
<b>Minimum Loading Height</b>	6.8 ft
<b>Maximum Depth Cut for 2440 mm (8 ft) Level Bottom</b>	19.1 ft
<b>Maximum Vertical Wall Digging Depth</b>	17 ft
<b>Minimum Working Equipment Radius</b>	7.3 ft
<b>Bucket Digging Force - ISO</b>	22180 lbf
<b>Stick Digging Force - ISO</b>	13330 lbf

## Air Conditioning System

**Air Conditioning** The air conditioning system on this machine contains the fluorinated greenhouse gas refrigerant R134a (Global Warming Potential = 1430). The system contains 0.8 hg of refrigerant which has a CO2 equivalent of 1.144 metric tonnes.

## 315 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: air suspension seat, 203 mm (8") touch screen monitor

### CAT TECHNOLOGIES

VisionLink®

Remote Flash

## **ELECTRICAL SYSTEM**

Maintenance free battery

LED chassis light, left-side boom lights, cab lights

Programmable time-delay LED working lights

Centralized electrical disconnect switch

## **ENGINE**

Cat C3.6 single turbo diesel engine

Auto engine speed control

Automatic engine shutdown

52°C (125°F) high-ambient cooling capacity without de-rate

-25°C (-13°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 two speed travel

Electric main control valve

Boom and stick drift reduction valve

Single type electronic pump

## **SAFETY AND SECURITY**

Rear and right-side-view cameras

Ground-level engine shutoff switch

Service platform with anti-skid plate and countersunk bolts

Signaling/warning horn

Auto Hammer Stop

## **SERVICE AND MAINTENANCE**

Grouped engine oil and fuel filters

Ground-level engine oil dipstick

Sampling ports for Scheduled Oil Sampling (S·O·S)

Integrated vehicle health management system

Lockable disconnect switch

## **UNDERCARRIAGE AND STRUCTURES**

Grease lubricated track link

Tie down points on base frame

3830 kg (8,440 lb) counterweight

# 315 GC Optional Equipment

## NOTE

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

## BOOM AND STICKS

2.8 m (9'2") Reach stick

2.8 m (9'2") Thumb Ready Reach stick

3.0 m (9'10") Reach stick

## CAB

Operator Protective Guards (OPG)

## HYDRAULIC SYSTEM

Medium-pressure line

High-pressure line

Quick coupler line

## SAFETY AND SECURITY

Swing alarm

Inspection lighting

## CAT TECHNOLOGIES

VisionLink Productivity

## UNDERCARRIAGE AND STRUCTURES

500 mm (20 in) triple grouser shoes

500 mm (20 in) triple grouser shoes with rubber pad

500 mm (20") rubber track shoes

600 mm (24") triple grouser shoes

600 mm (24") rubber track shoes

700 mm (28") triple grouser shoes

2,500 mm (8'2") blade

2,600 mm (8'6") blade

2,700 mm (8'10") blade