

# Product Specifications For 315



## Engine

**Net Power - ISO 9249** 108 hp

**Net Power - ISO 9249 (DIN)** 110 hp (metric)

**Engine Model** Cat C3.6

**Engine Power - ISO 14396** 110 hp

**Engine Power - ISO 14396 (DIN)** 111 hp (metric)

**Bore** 4 in

**Stroke** 5 in

**Displacement** 220 in<sup>3</sup>

**Biodiesel Capability** Up to B20<sup>1</sup>

**Emissions** Meets U.S. EPA Tier 4 Final, EU Stage V, Japan 2014 emission standards.

**Note (1)** 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>	276 l/min (73 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>	12 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 gal (US)
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<b>Cooling System</b>	4 gal (US)
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<b>Engine Oil</b>	2 gal (US)
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<b>Final Drive - Each</b>	1 gal (US)
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<b>Hydraulic System - Including Tank</b>	22.5 gal (US)
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<b>Hydraulic Tank</b>	19 gal (US)
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<b>DEF Tank</b>	6 gal (US)
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## Dimensions

<b>Boom</b>	Reach 4.65 m (15'3")
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<b>Stick</b>	Reach R3 m (9'10")
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<b>Bucket</b>	GD 0.68 m <sup>3</sup> (0.89 yd <sup>3</sup> )
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<b>Shipping Height - Top of Cab</b>	9.3 ft
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<b>Handrail Height</b>	9.4 ft
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<b>Shipping Length</b>	24.4 ft
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<b>Shipping Length - with Blade</b>	26.3 ft
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<b>Tail Swing Radius</b>	5.2 ft
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<b>Counterweight Clearance</b>	2.9 ft
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<b>Ground Clearance</b>	1.4 ft
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<b>Track Length</b>	12.3 ft
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<b>Length to Center of Rollers</b>	10 ft
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<b>Track Gauge</b>	6.5 ft
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<b>Transport Width</b>	8.2 ft
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## Working Ranges And Forces

<b>Maximum Digging Depth</b>	19.7 ft
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<b>Boom</b>	Reach 4.65 m (15'3")
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<b>Stick</b>	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.

## Sustainability

**Recyclability** 95%

## 315 Standard Equipment

### NOTE

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

### CAB

Rollover Protective Structure (ROPS)

Air suspension heated seat, 254 mm (10") touchscreen monitor

## **CAT TECHNOLOGIES**

VisionLink®  
Remote Flash  
Remote Troubleshoot  
Cat Grade with 2D  
Cat Assist  
Cat Payload

## **ELECTRICAL SYSTEM**

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

## **ENGINE**

Cat C3.6 single turbo diesel engine  
One-touch low idle with auto engine speed control  
Auto 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

## **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  
Electric boom snubber

## **SAFETY AND SECURITY**

Ground-level engine shutoff switch  
Service platform with anti-skid plate and countersunk bolts  
Signaling/warning horn  
2D E-Fence

## **SERVICE AND MAINTENANCE**

Grouped engine oil and fuel filters  
Ground-level engine oil dipstick  
Integrated vehicle health management system  
Sampling ports for Scheduled Oil Sampling (S·O·S)

## **UNDERCARRIAGE AND STRUCTURES**

Grease lubricated track link

Tie down points on base frame

3830 kg (8,440 lb) counterweight

## **315 Optional Equipment**

### **NOTE**

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

## **BOOM AND STICKS**

4.65 m (15'3") Reach boom

2.4 m (7'8") stub + 2.44 (8'0") fore Variable Angle boom

4.27 m (14'4") Power Offset boom

2.2 m (7'3") Reach stick

2.5 m (8'2") Reach stick

3.0 m (9'10") Reach stick

2.8 m (9'2") Reach stick

2.8 m (9'2") Thumb Ready stick

## **CAB**

Operator Protective Guards (OPG)

Cat Stick Steer

Auxiliary relay

## **CAT TECHNOLOGIES**

VisionLink Productivity

Cat Grade 2D with Attachment Ready Option (ARO)

Cat Grade with 3D (single or dual GNSS)

Operator Coaching

## **ELECTRICAL SYSTEM**

360° lighting

## **HYDRAULIC SYSTEM**

Boom and stick lowering check valves

## **SAFETY AND SECURITY**

Cat Detect - People Detection

Cat Command remote control

360° visibility

Swing alarm

Inspection lighting

Rear and right-side-view cameras

## **UNDERCARRIAGE AND STRUCTURES**

500 mm (20 in) triple grouser shoes

500 mm (20") rubber track shoes

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

600 mm (24 in) triple grouser shoes

600 mm (24") rubber track shoes

700 mm (28 in) triple grouser shoes

2500 mm (8'2") blade

2600 mm (8'6") blade

2700 mm (8'10") blade