

# 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

Main System - Maximum Flow	276 l/min (73 gal/min)
Maximum Pressure - Equipment	5075 psi
Maximum Pressure - Travel	5075 psi
Maximum Pressure - Swing	3770 psi

## Swing Mechanism

Swing Speed	12 r/min
Maximum Swing Torque	25815 lbf·ft

## Weights

Operating Weight	34000 lb
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## Service Refill Capacities

Fuel Tank Capacity	49 gal (US)
Cooling System	4 gal (US)
Engine Oil	2 gal (US)
Final Drive - Each	1 gal (US)
Hydraulic System - Including Tank	22.5 gal (US)

Hydraulic Tank	19 gal (US)
DEF Tank	6 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	24.4 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	8.2 ft

## Working Ranges And Forces

Maximum Digging Depth	19.7 ft
Boom	Reach 4.65 m (15'3")

<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

<b>Air Conditioning</b>	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.
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# Sustainability

<b>Recyclability</b>	95%
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# 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