

# Product Specifications For 317



## Engine

Net Power - ISO 9249	133 hp
Net Power - ISO 9249 (DIN)	134 hp (metric)
Engine Model	Cat C3.6
Engine Power - ISO 14396	134 hp
Engine Power - ISO 14396 (DIN)	136 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 2,200 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	296 L/min (78 gal/min)
Maximum Pressure - Equipment	5075 psi
Maximum Pressure - Travel	5075 psi
Maximum Pressure - Swing	3741 psi

Swing Mechanism

Swing Speed	8.7 r/min
Maximum Swing Torque	47647 lbf·ft

Weights

Operating Weight	40200 lb
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Service Refill Capacities

Fuel Tank Capacity	71.6 gal (US)
Cooling System	5.8 gal (US)
Engine Oil	2.9 gal (US)
Final Drive - Each	1.6 gal (US)
Hydraulic System - Including Tank	24.8 gal (US)

Hydraulic Tank	23 gal (US)
DEF Tank	5.9 gal (US)

## Dimensions

Boom	Reach 5.1 m (16'9")
Stick	Reach R2.9 m (9'6")
Bucket	GD 0.76 m³ (0.99 yd³)
Shipping Height - Top of Cab	9.6 ft
Handrail Height	9.7 ft
Shipping Length	28.1 ft
Tail Swing Radius	8.2 ft
Counterweight Clearance	3.3 ft
Ground Clearance	1.4 ft
Track Length	13 ft
Length to Center of Rollers	10.4 ft
Track Gauge	6.5 ft
Transport Width	8.8 ft

## Working Ranges And Forces

Maximum Digging Depth	21 ft
Boom	Reach 5.1 m (16'9")
Stick	Reach R2.9 m (9'6")

<b>Bucket</b>	GD 0.76 m <sup>3</sup> (0.99 yd <sup>3</sup> )
<b>Maximum Reach at Ground Level</b>	29.6 ft
<b>Maximum Cutting Height</b>	29.2 ft
<b>Maximum Loading Height</b>	20.6 ft
<b>Minimum Loading Height</b>	6.5 ft
<b>Maximum Depth Cut for 2440 mm (8 ft) Level Bottom</b>	20.3 ft
<b>Maximum Vertical Wall Digging Depth</b>	16.3 ft
<b>Minimum Working Equipment Radius</b>	9.7 ft
<b>Bucket Digging Force - ISO</b>	27650 lbf
<b>Stick Digging Force - ISO</b>	16860 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 0.9 hg of refrigerant which has a CO2 equivalent of 1.418 metric tonnes.
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# 317 Standard Equipment

## NOTE

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

## BOOM AND STICKS

5.1 m (16'9") Reach Boom

## CAB

Rollover protective structure (ROPS)  
Air suspension heated seat, 10" touch screen monitor

## CAT TECHNOLOGIES

VisionLink

Remote Flash  
Remote Troubleshoot  
Cat Grade with 2D  
Cat Assist  
Cat Payload  
Work tool recognition  
Work tool tracking  
Auto hammer stop

## **ELECTRICAL SYSTEM**

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

## **ENGINE**

Cat C4.4 single turbo diesel engine  
One-touch low idle with automatic engine speed control  
Automatic engine shutdown  
Electric fuel priming pump  
Two-stage fuel filtration system with water separator and indicator  
Sealed double element air filter with integrated precleaner  
Electric cooling fans  
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  
Element-type main hydraulic filter  
Single-type electronic main 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  
Hydraulic lock out lever  
2D E-Fence

## **SERVICE AND MAINTENANCE**

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

## UNDERCARRIAGE AND STRUCTURES

Grease lubricated track link  
Tie down points on base frame

## 317 Optional Equipment

### NOTE

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

## BOOM AND STICKS

2.6 m (8'6") Reach stick  
2.9 m (9'6") Reach stick  
2.9 m (9'6") Thumb Ready stick  
3.1 m (10'2") Reach stick

## CAB

Operator Protective Guards (OPG)  
Cat Stick Steer  
Auxiliary relay

## CAT TECHNOLOGIES

VisionLink Productivity  
Cat Grade with 2D with Attachment Ready Option (ARO)  
Cat Grade with 3D (single GNSS or dual GNSS)  
Operator Coaching

## ELECTRICAL SYSTEM

360° lighting

## ENGINE

-18°C (-0°F) cold start capability  
-25°C (-13°F) cold start capability

## SAFETY AND SECURITY

360° visibility  
Swing alarm  
Inspection lighting

## UNDERCARRIAGE AND STRUCTURES

600 mm (24 in) triple grouser shoes  
600 mm (24 in) rubber track shoes  
700 mm (28 in) triple grouser shoes with additional steps

3.25 mt (7,165 lb) counterweight

3.77 mt (8,311 lb) counterweight