

Product Specifications For 317



Engine

Net Power - ISO 9249	133 hp
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Net Power - ISO 9249 (DIN)	134 hp (metric)
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Engine Model	Cat C3.6
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Engine Power - ISO 14396	134 hp
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Engine Power - ISO 14396 (DIN)	136 hp (metric)
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Bore	4 in
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Stroke	5 in
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Displacement	220 in ³
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Biodiesel Capability	Up to B20 ¹
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Emissions	Meets U.S. EPA Tier 4 Final, EU Stage V, Japan 2014 emission standards.
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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.
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Note (2)

¹Cat 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)
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Maximum Pressure - Equipment	5075 psi
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Maximum Pressure - Travel	5075 psi
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Maximum Pressure - Swing	3741 psi
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Swing Mechanism

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

Operating Weight	40200 lb
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Service Refill Capacities

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

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

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