

Product Specifications For 317 GC



Engine

Net Power - ISO 9249	119 hp
Engine Model	Cat C3.6
Engine Power - ISO 14396	121 hp
Engine Power - ISO 14396 (DIN)	122 hp (metric)
Net Power - ISO 9249 (DIN)	121 hp (metric)
Bore	4 in
Stroke	5 in
Displacement	220 in ³
Biodiesel Capability	Up to B20 ¹
Emissions	Meets U.S. EPA Tier 4 Final and EU Stage V 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)

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)
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	44990 lbf·ft

Weights

Operating Weight	38000 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	8.5 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.
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317 GC 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 seat, 203 mm (8") LCD touchscreen monitor

CAT TECHNOLOGIES

VisionLink®

Remote Flash
Remote Troubleshoot

ELECTRICAL SYSTEM

Maintenance free battery
LED chassis light and left-side boom light
Programmable time-delay LED working lights
Centralized electrical disconnect switch

ENGINE

Cat C3.6 single turbo diesel engine
Two selectable modes: Power, Smart
Automatic engine speed control
Automatic engine idle shutdown
Electric fuel priming pump
Electric cooling fans
Single fuel filtration system with water separator and indicator
Sealed double element air filter with integrated precleaner
Biodiesel capability up to B20

HYDRAULIC SYSTEM

Boom and stick regeneration circuits
Auto hydraulic oil 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

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 GC 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 TECHNOLOGIES

VisionLink Productivity

ELECTRICAL SYSTEM

LED chassis light, right-side boom light and cab lights

ENGINE

-18°C (-0°F) cold start capability

-25°C (-13°F) cold start capability

SAFETY AND SECURITY

Swing alarm

Inspection lighting

SERVICE AND MAINTENANCE

Integrated vehicle health management system

UNDERCARRIAGE AND STRUCTURES

600 mm (24") triple grouser track shoes

600 mm (24") rubber track shoes

700 mm (28 in) triple grouser track shoes

3.05 mt (6,720 lb) counterweight

3.57 mt (7,870 lb) counterweight