

PRODUCT SPECIFICATIONS FOR 317 GC



ENGINE

Net Power - ISO 9249	119 HP
Engine Model	Cat C3.6
Engine Power - ISO 14396	121 HP
Bore	4 in
Stroke	5 in
Displacement	220 in ³

HYDRAULIC SYSTEM

Main System - Maximum Flow	296 L/min (78 gal/min)
Maximum Pressure - Equipment	5076 psi
Maximum Pressure - Travel	5076 psi
Maximum Pressure - Swing	3741 psi

SWING MECHANISM

Swing Speed	8.7 r/min
Maximum Swing Torque	44991 ft·lbf

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 m ³ (0.99 yd ³)
Shipping Height - Top of Cab	9.6 ft
Handrail Height	9.6 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 & 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	29.1 ft
Maximum Loading Height	20.6 ft
Minimum Loading Height	6.5 ft
Maximum Depth Cut for 2440 mm (8 ft) Level Bottom	20.2 ft
Maximum Vertical Wall Digging Depth	16.3 ft
Minimum Working Equipment Radius	9.6 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 1.287 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)

Comfort Cab: mechanical suspension seat, 203 mm (8") LCD touchscreen monitor

CAT TECHNOLOGIES

Cat Product Link

Remote Flash

Remote Troubleshoot

Auto hammer stop

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 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 warm up

Auto two-speed travel

Electric main control valve

Boom and stick drift reduction valve

Boom and stick lowering check 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
ISO 15818:2017 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

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

500 mm (20") triple grouser track shoes

600 mm (24") triple grouser track shoes

600 mm (24") rubber track shoes

700 mm (28 in) triple grouser track shoes

790 mm (31") triple grouser track shoes

3.05 mt (6,720 lb) counterweight

3.57 mt (7,870 lb) counterweight