

Product Specifications For 315 GC



Engine

Net Power - ISO 9249	98 HP
Engine Model	Cat C3.6
Engine Power - ISO 14396	100 HP
Engine Power - ISO 14396 (DIN)	101 hp (metric)
Net Power - ISO 9249 (DIN)	100 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, EU Stage V, and 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)

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.

Weights

Operating Weight	34000 lb
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Working Ranges & Forces

Maximum Digging Depth	19.6 ft
Boom	Reach 4.65 m (15'3")
Stick	Reach R3 m (9'10")
Bucket	GD 0.53 m³ (0.69 yd³)
Maximum Reach at Ground Level	28.5 ft
Maximum Cutting Height	31.7 ft
Maximum Loading Height	23.6 ft
Minimum Loading Height	6.8 ft
Maximum Depth Cut for 2440 mm (8 ft) Level Bottom	19.1 ft
Maximum Vertical Wall Digging Depth	17 ft
Minimum Working Equipment Radius	7.3 ft
Bucket Digging Force - ISO	22180 lbf

Stick Digging Force - ISO

13330 lbf

Hydraulic System

Main System - Maximum Flow	247 L/min (65 gal/min)
Maximum Pressure - Equipment	5075 psi
Maximum Pressure - Travel	5075 psi
Maximum Pressure - Swing	3770 psi

Swing Mechanism

Swing Speed	11.5 r/min
Maximum Swing Torque	25815 ft·lbf

Service Refill Capacities

Fuel Tank Capacity	49.4 gal (US)
Cooling System	4 gal (US)
Engine Oil	2.1 gal (US)
Final Drive - Each	0.8 gal (US)
Hydraulic System - Including Tank	22.5 gal (US)
Hydraulic Tank	19 gal (US)

Dimensions

Boom	Reach 4.65 m (15'3")
Stick	Reach R3 m (9'10")
Bucket	GD 0.53 m³ (0.69 yd³)

Shipping Height - Top of Cab	9.2 ft
Handrail Height	9.4 ft
Shipping Length	24.6 ft
Shipping Length - with Blade	26.5 ft
Tail Swing Radius	5.1 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	8.8 ft

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 0.8 hg of refrigerant which has a CO2 equivalent of 1.144 metric tonnes.
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315 GC Standard Equipment

NOTE

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

BOOM AND STICKS

4.65 m (15'3") Reach boom

CAB

Rollover protective structure (ROPS)

Comfort Cab: mechanical suspension seat, 203 mm (8") touch screen monitor

CAT TECHNOLOGIES

VisionLink®
Remote Flash

ELECTRICAL SYSTEM

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

ENGINE

Cat C3.6 single turbo diesel engine
Auto engine speed control
Engine idle 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
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
Single type electronic pump
Auxiliary line support

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
Auto Hammer Stop

SERVICE AND MAINTENANCE

Grouped engine oil and fuel filters
Ground-level engine oil dipstick
Sampling ports for Scheduled Oil Sampling (S·O·S)
Integrated vehicle health management system
Lockable disconnect switch

UNDERCARRIAGE AND STRUCTURES

Grease lubricated track link
Tie down points on base frame
3830 kg (8,440 lb) counterweight

315 GC Optional Equipment

NOTE

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

BOOM AND STICKS

2.5 m (8'2") Reach stick
2.8 m (9'2") Reach stick
2.8 m (9'2") Thumb Ready Reach stick
3.0 m (9'10") Reach stick

HYDRAULIC SYSTEM

Boom and stick lowering check valves
Medium-pressure line
High-pressure line
Quick coupler line

SAFETY AND SECURITY

Swing alarm
Inspection lighting

CAT TECHNOLOGIES

VisionLink Productivity

UNDERCARRIAGE AND STRUCTURES

500 mm (20 in) triple grouser shoes
500 mm (20 in) triple grouser shoes with rubber pad
500 mm (20") rubber track shoes
600 mm (24") triple grouser shoes
600 mm (24") rubber track shoes
700 mm (28") triple grouser shoes
770 mm (30") triple grouser shoes
2,500 mm (8'2") blade
2,600 mm (8'6") blade
2,700 mm (8'10") blade