

Product Specifications For 313 GC



Engine

Net Power - ISO 9249	54.3 kW
Engine Model	Cat C3.6
Engine Power - ISO 14396	55.4 kW
Engine Power - ISO 14396 (DIN)	75 hp (metric)
Net Power - ISO 9249 (DIN)	74 hp (metric)
Bore	98 mm
Stroke	120 mm
Displacement	3.6 l
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	13800 kg
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Working Ranges And Forces

Maximum Digging Depth	6040 mm
Boom	Reach 4.65 m (15'3")
Stick	Reach R3 m (9'8")
Bucket	GD 0.68 m³ (0.89 yd³)
Maximum Reach at Ground Level	8660 mm
Maximum Cutting Height	8830 mm
Maximum Loading Height	6420 mm
Minimum Loading Height	1600 mm
Maximum Depth Cut for 2440 mm (8 ft) Level Bottom	5860 mm
Maximum Vertical Wall Digging Depth	5190 mm
Minimum Working Equipment Radius	2570 mm
Bucket Digging Force - ISO	98.67 kN

Stick Digging Force - ISO

59.29 kN

Hydraulic System

Main System - Maximum Flow	247 L/min (65 gal/min)
Maximum Pressure - Equipment	35000 kPa
Maximum Pressure - Travel	35000 kPa
Maximum Pressure - Swing	26000 kPa

Swing Mechanism

Swing Speed	11.5 r/min
Maximum Swing Torque	35 kN·m

Service Refill Capacities

Fuel Tank Capacity	258 l
Cooling System	15 l
Engine Oil	8 l
Final Drive - Each	3 l
Hydraulic System - Including Tank	85 l
Hydraulic Tank	70 l

Dimensions

Boom	Reach 4.65 m (15'3")
Stick	Reach R3 m (9'10")
Bucket	GD 0.68 m³ (0.89 yd³)

Shipping Height - Top of Cab	2810 mm
Handrail Height	2810 mm
Shipping Length	7780 mm
Shipping Length - with Blade	8050 mm
Tail Swing Radius	2190 mm
Counterweight Clearance	916 mm
Ground Clearance	446 mm
Track Length	3750 mm
Length to Center of Rollers	3040 mm
Track Gauge	1990 mm
Transport Width	2490 mm

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 0.85 hg of refrigerant which has a CO2 equivalent of 1.216 metric tonnes.
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313 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: air suspension seat, 203 mm (8") touch screen monitor

CAT TECHNOLOGIES

VisionLink®
Remote Flash

ELECTRICAL SYSTEM

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

ENGINE

Cat C3.6 single turbo diesel engine
Auto engine speed control
Auto engine shutdown
52°C (125°F) high-ambient cooling capacity without de-rate
-18°C (0°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

SAFETY AND SECURITY

Rear and right-side-view cameras
Hydraulic lock out lever
Ground-level engine shutoff switch
Service platform with anti-skid plate and countersunk bolts
Signaling/warning horn

SERVICE AND MAINTENANCE

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

UNDERCARRIAGE AND STRUCTURES

Grease lubricated track link
Tie down points on base frame
2470 kg (5,445 lb) counterweight

313 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 (Standard in the Kingdom of Saudi Arabia and Türkiye)
2.8 m (9'2") Reach stick
2.8 m (9'2") Thumb Ready stick
3.0 m (9'10") Reach stick

CAB

Operator Protective Guards (OPG)

CAT TECHNOLOGIES

VisionLink Productivity

ELECTRICAL SYSTEM

LED right-side boom light
360° lighting

HYDRAULIC SYSTEM

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

SAFETY AND SECURITY

Swing alarm
Inspection lighting

UNDERCARRIAGE AND STRUCTURES

500 mm (20") triple grouser shoes
500 mm (20") triple grouser shoes with rubber pad
500 mm (20") rubber track shoes
600 mm (24") rubber track shoes
600 mm (24") triple grouser shoes
700 mm (28") triple grouser shoes
2500 mm (8'2") blade
2600 mm (8'6") blade

2700 mm (8'10") blade