

PRODUCT SPECIFICATIONS FOR 313 GC



ENGINE

Net Power - ISO 9249	73 HP
Engine Model	Cat C3.6
Engine Power - ISO 14396	74 HP
Bore	4 in
Stroke	5 in
Displacement	220 in ³

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	25888 ft·lbf

WEIGHTS

Operating Weight	30400 lb
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SERVICE REFILL CAPACITIES

Fuel Tank Capacity	68.2 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	18.5 gal (US)

DIMENSIONS

Boom	Reach 4.65 m (15'3")
Stick	Reach R3 m (9'8")
Bucket	GD 0.53 m³ (0.69 yd³)
Shipping Height - Top of Cab	9.2 ft
Handrail Height	9.2 ft
Shipping Length	25.5 ft
Shipping Length - with Blade	26.4 ft
Tail Swing Radius	7.1 ft
Counterweight Clearance	3 ft
Ground Clearance	1.4 ft
Track Length	12.3 ft
Length to Center of Rollers	9.9 ft

Track Gauge	6.5 ft
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Transport Width	8.1 ft
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WORKING RANGES & FORCES

Maximum Digging Depth	19.8 ft
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Boom	Reach 4.65 m (15'3")
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Stick	Reach R3 m (9'8")
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Bucket	GD 0.53 m ³ (0.69 yd ³)
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Maximum Reach at Ground Level	28.4 ft
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Maximum Cutting Height	28.9 ft
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Maximum Loading Height	21 ft
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Minimum Loading Height	5.2 ft
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Maximum Depth Cut for 2440 mm (8 ft) Level Bottom	19.2 ft
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Maximum Vertical Wall Digging Depth	17 ft
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Minimum Working Equipment Radius	8.4 ft
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Bucket Digging Force - ISO	22180 lbf
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Stick Digging Force - ISO	13330 lbf
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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: mechanical suspension seat, 203 mm (8") touch screen monitor

CAT TECHNOLOGIES

Cat Product Link

Remote Flash

Remote Troubleshoot

Auto hammer stop

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)

UNDERCARRIAGE AND STRUCTURES

Grease lubricated track link
ISO 15818 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
2.8 m (9'2") Reach stick
2.8 m (9'2") Thumb Ready stick
3.0 m (9'10") Reach stick

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

SERVICE AND MAINTENANCE

Integrated vehicle health management system

UNDERCARRIAGE AND STRUCTURES

500 mm (20") triple grouser shoes

500 mm (20") triple grouser shoes with rubber pad

600 mm (24") rubber track shoes

600 mm (24") triple grouser shoes

700 mm (28") triple grouser shoes

770 mm (30") triple grouser shoes

2500 mm (8'2") blade

2600 mm (8'6") blade

2700 mm (8'10") blade