

Product Specifications For 316 GC



Engine

Net Power - ISO 9249	77.3 kW
Engine Model	C3.6
Net Power - ISO 9249 (DIN)	105 hp (metric)
Engine Power - ISO 14396	82 kW
Engine Power - ISO 14396 (DIN)	111 hp (metric)
Bore	98 mm
Stroke	120 mm
Displacement	3.6 l
Biodiesel Capability	Up to B20 ¹
Emissions	Meets Brazil MAR-1 emission standards equivalent to U.S. EPA Tier 3 and EU Stage IIIA.
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 2,200 rpm. Advertised power is tested per the specified standard in effect at the time of manufacture.
Note (2)	¹ Cat engines are compatible with diesel fuel blended with the following lower-carbon intensity fuels** up to 100% biodiesel FAME (fatty acid methyl ester)* or 100% renewable diesel, HVO (hydrotreated vegetable oil) and GTL (gas-to-liquid) fuels. *For use of blends higher than 20% biodiesel, consult your Cat dealer. **Lower-carbon intensity fuels do not significantly reduce GHGs

Hydraulic System

Main System - Maximum Flow	268 L/min (71 gal/min)
Maximum Pressure - Equipment	35000 kPa
Maximum Pressure - Travel	35000 kPa

Maximum Pressure - Swing	25900 kPa
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Boom Cylinder - Bore	105 mm
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Boom Cylinder - Stroke	1015 mm
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Stick Cylinder - Stroke	1197 mm
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Bucket Cylinder - Stroke	939 mm
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Stick Cylinder - Bore	120 mm
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Bucket Cylinder - Bore	100 mm
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Swing Mechanism

Swing Speed	11.5 r/min
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Maximum Swing Torque	43 kN·m
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Weights

Operating Weight	14600 kg
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Service Refill Capacities

Fuel Tank Capacity	237 l
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Cooling System	11 l
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Engine Oil	11 l
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Final Drive - Each	3 l
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Hydraulic System - Including Tank	145 l
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Hydraulic Tank	77 l
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Dimensions

Boom	HD 4.65 m (15'3")
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Stick	HD 2.5 m (8'2")
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Bucket	GD 0.65 m ³) (0.85 yd ³)
Shipping Height - Top of Cab	2790 mm
Handrail Height	2830 mm
Shipping Length	7870 mm
Tail Swing Radius	2350 mm
Counterweight Clearance	900 mm
Ground Clearance	430 mm
Track Length	3750 mm
Length to Center of Rollers	3040 mm
Track Gauge	1990 mm
Transport Width	2490 mm
Length - Center of Rollers	3040 mm

Working Ranges & Forces

Maximum Digging Depth	5530 mm
Boom	HD 4.65 m (15'3")
Stick	HD 2.5 m (8'2")
Bucket	GD 0.65 m ³) (0.85 yd ³)
Maximum Reach at Ground Level	8180 mm
Maximum Cutting Height	8500 mm
Maximum Loading Height	6110 mm
Minimum Loading Height	2020 mm

Maximum Depth Cut for 2440 mm (8 ft) Level Bottom	5330 mm
Maximum Vertical Wall Digging Depth	4860 mm
Bucket Digging Force - ISO	109 kN
Stick Digging Force - ISO	75 kN
Machine Weight	
Operating Weight	14300 kg

316 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

Sound suppressed with viscous mounts
 High-resolution 203 mm (8") LCD touchscreen monitor
 Mechanically adjustable seat with headrest
 Automatic bi-level air conditioner
 Keyless push-to-start engine control
 Floor-mounted adjustable consoles
 1-button joystick
 AM/FM radio with USB and aux port
 24V DC outlet
 Cup holder and storage compartments
 70/30 tempered glass windshield
 Upper radial wiper with washer
 Openable steel hatch
 Dome light
 Washable floor mat

CAT TECHNOLOGY

[Cat Product Link](#)

ELECTRICAL SYSTEM

750 CCA maintenance-free batteries (x2)
 Electrical disconnect switch
 LED left-side boom and chassis lights
 LED cab light
 Cat C3.6 single turbo diesel engine

ENGINE

Three selectable modes: Power, Smart, Eco
52°C (125°F) high-ambient cooling capability
-18°C (0°F) cold start capability
Biodiesel capability up to B20
Electric fuel priming pump
Two-stage fuel filtration system
Sealed double-element air filter with precleaner

HYDRAULIC SYSTEM

Electronic main control valve, hammer ready
Electronic control pump
Boom and stick regeneration circuits
Automatic hydraulic oil warm up
Automatic two-speed travel
High performance hydraulic return filter

SAFETY AND SECURITY

Anti-skid plating with countersunk bolts
Handrail and handhold
Lockable external tool/storage box
Mirror package
Signaling/warning horn
Hydraulic lockout lever

SERVICE AND MAINTENANCE

Grouped location of filters
Radiator screen
S·O·S sampling ports

UNDERCARRIAGE AND STRUCTURES

Center track guiding guard
Grease lubricated track link
Bottom guards
Travel motor guards
3.2 mt (7,055 lb) counterweight
Tie-down points

316 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
3.0 m (9'10") Reach stick

CAB

3-button joystick

ELECTRICAL SYSTEM

LED right-side boom light

ENGINE

-25°C (-13°F) cold start capability

HYDRAULIC SYSTEM

Hammer lines

Hammer floor pedal kit

SAFETY AND SECURITY

Rearview camera

Swing alarm

Travel alarm with cancel switch

UNDERCARRIAGE AND STRUCTURES

500 mm (20") triple grouser shoes

600 mm (24") triple grouser shoes

700 mm (28") triple grouser shoes with additional steps

770 mm (30") triple grouser shoes with additional steps

Swivel guard