

Product Specifications For 330 GC



Engine

Net Power - ISO 9249	157.8 kW
Net Power - ISO 9249 (DIN)	215 hp (metric)
Engine Model	Cat® C7.1
Engine Power - ISO 14396	159 kW
Engine Power - ISO 14396 (DIN)	216 hp (metric)
Bore	105 mm
Stroke	135 mm
Displacement	7.01 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 1,800 rpm. Advertised power is tested per the specified standard in effect at the time of manufacture.

Note (2)

¹Cat 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. Refer to guidelines for successful application. Please consult your Cat dealer or “Caterpillar Machine Fluids Recommendations” (SEBU6250) for details. *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

28900 kg

Note

Standard undercarriage, Reach boom, R3.2 m (10'6") stick, Heavy Duty (HD) 1.60 m³ (2.09 yd³) bucket, 600 mm (24") triple grouser shoes and 6700 kg (14,770 lb) counterweight.

Working Ranges And Forces

Maximum Digging Depth

7260 mm

Boom

Reach 6.15 m (20'2")

Stick

Reach 3.2 m (10'6")

Bucket

HD 1.60 m³ (2.09 yd³)

Maximum Reach at Ground Level

10690 mm

Maximum Cutting Height

9980 mm

Maximum Loading Height

6930 mm

Minimum Loading Height

2280 mm

Maximum Depth Cut for 2440 mm (8 ft) Level Bottom

7100 mm

Maximum Vertical Wall Digging Depth

5800 mm

Bucket Digging Force - ISO

179 kN

Stick Digging Force - ISO	126 kN
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Hydraulic System

Main System - Maximum Flow	560 l/min (148 gal/min)
Maximum Pressure - Equipment	35000 kPa
Maximum Pressure - Travel	35000 kPa
Maximum Pressure - Swing	28400 kPa

Swing Mechanism

Swing Speed*	11.5 r/min
Maximum Swing Torque	105 kN·m
Note (1)	*For CE-marked machine default value may be set lower.

Service Refill Capacities

Fuel Tank Capacity	474 l
Cooling System	25 l
Engine Oil	25 l
Swing Drive	10 l
Final Drive - Each	5.5 l
Hydraulic System - Including Tank	310 l
Hydraulic Tank	147 l

Dimensions

Boom	Reach 6.15 m (20'2")
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Stick	Reach 3.2 m (10'6")
Bucket	HD 1.60 m ³ (2.09 yd ³)
Shipping Height - Top of Cab	3050 mm
Handrail Height	3050 mm
Shipping Length	10420 mm
Tail Swing Radius	3130 mm
Counterweight Clearance	1110 mm
Ground Clearance	490 mm
Track Length	4350 mm
Length to Center of Rollers	3490 mm
Track Gauge	2390 mm
Transport Width	2990 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 kg (1.9 lb) of refrigerant which has a CO2 equivalent of 1.216 metric tonnes (1.340 tons).
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330 GC Standard Equipment

NOTE

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

CAB

Rollover Protective Structure (ROPS)

Mechanically adjustable seat

High-resolution 203 mm (8 in) LCD touchscreen monitor

CAT TECHNOLOGY

VisionLink™
Remote Flash

ELECTRICAL SYSTEM

Two 1,000 CCA maintenance free batteries
Programmable time-delay LED working lights
LED chassis light, left-hand boom light

ENGINE

Cat C7.1 single turbo diesel engine
Two selectable power modes
Auto engine speed control
Auto engine idle shutdown
52°C (125°F) high-ambient cooling capacity
-18°C (0°F) cold start capability
Double element air filter with integrated precleaner
Reversing electric cooling fans

HYDRAULIC SYSTEM

Boom and stick regeneration circuits
Auto hydraulic warm up
Auto two-speed travel
Boom and stick drift reduction valve

SAFETY AND SECURITY

Auto hammer stop
Rearview camera
Ground-level engine shutoff switch
Lockable disconnect switch
Right-hand handrail and hand hold
Signaling/warning horn

SERVICE AND MAINTENANCE

Scheduled Oil Sampling (S·O·SSM) ports
Ground-level and platform-level engine oil dipsticks
Integrated vehicle health management system

UNDERCARRIAGE AND STRUCTURES

Tie-down points on base frame

330 GC Optional Equipment

NOTE

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

BOOMS AND STICKS

6.15 m (20'2") Reach boom

5.55 m (18'2") Mass boom

3.2 m (10'6") Reach stick

2.65 m (8'8") Reach stick

2.5 m (8'2") Mass stick

CAB

Operator Protective Guards (OPG)

ELECTRICAL SYSTEM

Cab lights, right-hand boom light

ENGINE

-32°C (-25°F) cold start capability

HYDRAULIC SYSTEM

Boom and stick lowering check valves

Hammer return filter circuit

Tool Control (two pump, one/two way high-pressure flow)

Basic Tool Control (one pump, one way high-pressure flow)

Quick coupler circuit

SAFETY AND SECURITY

Right-hand-sideview camera

Swing alarm

Inspection lighting

SERVICE AND MAINTENANCE

Electric refueling pump with auto shutoff

UNDERCARRIAGE AND STRUCTURES

Standard undercarriage

Long undercarriage

600 mm (24") triple grouser track shoes

600 mm (24") HD triple grouser track shoes

700 mm (28") triple grouser track shoes

700 mm (28") HD triple grouser track shoes

800 mm (31") triple grouser track shoes

5800 kg (12,790 lb) counterweight

6700 kg (14,770 lb) counterweight