

# Product Specifications For 320 GC - Tier 4 / Stage V



## Engine

Net Power - ISO 9249	146 hp
Net Power - ISO 9249 (DIN)	148 hp (metric)
Engine Model	Cat® C4.4
Engine Power - ISO 14396	148 hp
Engine Power - ISO 14396 (DIN)	150 hp (metric)
Bore	4 in
Stroke	5 in
Displacement	269 in <sup>3</sup>
Biodiesel Capability	Up to B20 <sup>1</sup>
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 2,200 rpm. Advertised power is tested per the specified standard in effect at the time of manufacture.

**Note (2)**

<sup>1</sup>Cat 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**

48500 lb

**Note**

Long undercarriage, Reach boom, R2.9 (9'6") stick, General Duty (GD) 1 m<sup>3</sup> (1.31 yd<sup>3</sup>) bucket, 700 mm (28 in) triple grouser shoes and 4200 kg (9,300 lb) counterweight.

## Working Ranges And Forces

**Maximum Digging Depth**

22 ft

**Boom**

Reach 5.7 m (18.8)

**Stick**

Reach 2.9 m (9'6")

**Bucket**GD 1 m<sup>3</sup> (1.31 yd<sup>3</sup>)**Maximum Reach at Ground Level**

32.3 ft

**Maximum Cutting Height**

31 ft

**Maximum Loading Height**

21.3 ft

**Minimum Loading Height**

7.1 ft

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

21.6 ft

**Maximum Vertical Wall Digging Depth**

18.7 ft

**Bucket Digging Force - ISO**

28935 lbf

**Stick Digging Force - ISO**

22281 lbf

## Hydraulic System

**Main System - Maximum Flow**

442 l/min (117 gal/min)

**Maximum Pressure - Equipment**

5075 psi

**Maximum Pressure - Travel**

4974 psi

**Maximum Pressure - Swing**

3625 psi

## Swing Mechanism

**Swing Speed**

11.6 r/min

**Note (1)**

For CE-marked machine default value may be set lower.

**Maximum Swing Torque**

54900 lbf·ft

## Service Refill Capacities

**Fuel Tank Capacity**

86.6 gal (US)

**Cooling System**

6.6 gal (US)

**Engine Oil**

4 gal (US)

**Swing Drive**

3.2 gal (US)

**Final Drive - Each**

1.1 gal (US)

**Hydraulic System - Including Tank**

61.8 gal (US)

**Hydraulic Tank**

30.4 gal (US)

**DEF Tank**

10.3 gal (US)

# Dimensions

Boom	Reach 5.7 m (18'8")
Stick	Reach 2.9 m (9'6")
Bucket	GD 1 m³ (1.31 yd³)
Shipping Height - Top of Cab	9.7 ft
Handrail Height	9.8 ft
Shipping Length	31.3 ft
Tail Swing Radius	9.3 ft
Counterweight Clearance	3.4 ft
Ground Clearance	1.5 ft
Track Length	14.7 ft
Length to Center of Rollers	11.11 ft
Track Gauge	7.9 ft
Transport Width	10.4 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 0.85 kg (1.9 lb) of refrigerant which has a CO2 equivalent of 1.216 metric tonnes (1.340 tons).
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# Sustainability

Recyclability	97%
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# 320 GC - Tier 4 / Stage V Standard Equipment

## NOTE

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

## BOOM AND STICKS

5.7 m (18'8") Reach boom

## CAB

Air-suspension seat (Europe, North America only)

Mechanical-suspension seat (Chile, Colombia, Türkiye only)

Rollover Protective Structure (ROPS)

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

## CAT TECHNOLOGY

VisionLink®

Remote Flash

## ELECTRICAL

Two 1,000 CCA maintenance-free batteries

Centralized electrical disconnect switch

Programmable time-delay LED working lights

LED chassis light, boom lights, cab lights

## ENGINE

Cat C4.4 single turbo engine

Two selectable power modes

Auto engine speed control

Auto engine idle shutdown

52° C (125° F) high-ambient cooling capacity

-32° C (-25° F) cold start capability

Double element air filter with integrated pre-cleaner

Reversible electric cooling fans

## HYDRAULIC SYSTEM

Boom and stick regeneration circuits

Boom and stick lowering check valves

Auto warm up

Auto two-speed travel

Boom and stick drift reduction valve

Slider joysticks

Tool control (two pumps, one/two way high-pressure flow)

## SAFETY AND SECURITY

Rearview and right-hand-sideview cameras

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·S<sup>SM</sup>) ports  
Ground-level and platform-level engine oil dipsticks  
Integrated vehicle health management system

## **UNDERCARRIAGE AND STRUCTURES**

Long undercarriage (Europe, North America, Türkiye standard; Chile optional; Columbia not available)  
Medium undercarriage (Colombia standard; Chile optional; Europe, North America, Türkiye not available)  
Tie-down points on base frame  
3700 kg (8,160 lb) counterweight (Chile, Colombia, Türkiye only)  
4200 kg (9,300 lb) counterweight (Europe, North America only)

## **320 GC - Tier 4 / Stage V Optional Equipment**

### **NOTE**

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

## **BOOM AND STICKS**

2.9 m (9'6") Reach stick  
2.5 m (8'2") Reach stick  
2.9 m (9'6") Reach Bare stick

## **CAB**

Operator Protective Guards (OPG)

## **CAT TECHNOLOGY**

VisionLink Productivity

## **HYDRAULIC SYSTEM**

SmartBoom™ (Europe only)

## **SAFETY AND SECURITY**

Swing alarm  
Inspection lighting

## **SERVICE AND MAINTENANCE**

Refueling pump  
QuickEvac™ maintenance ready

## **UNDERCARRIAGE AND STRUCTURES**

600 mm (24") triple grouser shoes

700 mm (28") triple grouser shoes

790 mm (31") triple grouser shoes

900 mm (35") triple grouser shoes

## **OTHER OPTIONAL CONFIGURATIONS**

Narrow (Europe only)