

Product Specifications For 320 GX - Tier 3



Engine

Net Power - ISO 9249	103.6 kW
Net Power - ISO 9249 (DIN)	141 hp (metric)
Engine Model	Cat® C4.4
Engine Power - ISO 14396	108 kW
Engine Power - ISO 14396 (DIN)	147 hp (metric)
Bore	105 mm
Stroke	127 mm
Displacement	4.4 l
Biodiesel Capability	Up to B20 ¹
Emissions	Emits 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 2,000 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. 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	20400 kg
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Note Reach boom, R2.7 (8'9") stick, General Duty (GD) 0.93 m³ (1.22 yd³) bucket, 790 mm (31") triple grouser shoes, and 3600 kg (7,940 lb) counterweight.

Working Ranges And Forces

Maximum Digging Depth	6430 mm
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Boom	Reach 5.7 m (18'8")
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Stick	Reach 2.7 m (8'10")
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Bucket	GD 0.93 m ³ (1.22 yd ³)
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Maximum Reach at Ground Level	9580 mm
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Maximum Cutting Height	9290 mm
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Maximum Loading Height	6450 mm
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Minimum Loading Height	2460 mm
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Maximum Depth Cut for 2440 mm (8 ft) Level Bottom	6250 mm
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Maximum Vertical Wall Digging Depth	5510 mm
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Bucket Digging Force - ISO	136 kN
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Stick Digging Force - ISO	106 kN
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Hydraulic System

Main System - Maximum Flow - Implement	429 L/min
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Maximum Pressure - Equipment	35000 kPa
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Maximum Pressure - Travel	35000 kPa
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Maximum Pressure - Swing	25000 kPa
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Swing Mechanism

Swing Speed	11.07 r/min
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Note (1)	For CE-marked machine default value may be set lower.
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Maximum Swing Torque	74 kN·m
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Service Refill Capacities

Fuel Tank Capacity	390 l
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Cooling System	24.5 l
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Engine Oil	15 l
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Swing Drive	5.5 l
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Final Drive - Each	4.5 l
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Hydraulic System - Including Tank	218 l
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Hydraulic Tank	115 l
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Dimensions

Boom	Reach 5.7 m (18'8")
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Stick	Reach 2.7 m (8'10")
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Bucket	GD 0.93 m ³ (1.22 yd ³)
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Shipping Height - Top of Cab	2960 mm
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Handrail Height	3010 mm
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Shipping Length	9570 mm
Tail Swing Radius	2830 mm
Counterweight Clearance	1040 mm
Ground Clearance	460 mm
Track Length	4080 mm
Track Length to Center of Rollers	3270 mm
Track Gauge	2200 mm
Transport Width	2990 mm

320 GX - Tier 3 Standard Equipment

NOTE

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

BOOMS AND STICKS

5.7 m (18'8") Reach boom (all regions except Middle East)

5.7 m (18'8") HD Reach boom (Middle East only)

CAB

Sound suppressed with viscous mounts

High-resolution 203 mm (8") LCD touch screen monitor

Mechanically adjustable seat with headrest and armrest

51 mm (2") orange seat belt

Auto bi-level air conditioner

Keyless push-to-start engine control

Fixed left-side console

1 button joysticks

Bluetooth® radio with USB/Aux ports

24V DC outlet

Cup holder and storage compartments

70/30 tempered glass windshield

Rear window emergency exit

Upper radial wiper with washer

Openable steel hatch

LED Dome light

Washable floor mat

CAT TECHNOLOGY

VisionLink®

Capability to Remote Flash Cat Product Link™ (telematics only)

ELECTRICAL SYSTEM

Maintenance-free 950 CCA batteries (x2)

Electrical disconnect switch

LED chassis and cab lights

LED left-side boom light

ENGINE

Cat C4.4 single turbo diesel engine

Two selectable modes: Power, Smart

Up to 4500 m (14,760 ft) altitude capability

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

-25°C (-13° F) cold start capability

Electric fuel priming pump

Two-stage fuel filtration system

Sealed double element air filter with integrated pre-cleaner

HYDRAULIC SYSTEM

Electronic main control valve, hammer ready

Back-to-back electronic pumps

Boom and stick regeneration circuits

Automatic hydraulic oil warmup

Automatic two-speed travel

High performance hydraulic return filter

SAFETY AND SECURITY

Anti-skid plating with countersunk bolts

Handrail and hand hold

Lockable external tool/storage box

Signaling/warning horn

Hydraulic lockout lever

Lockable disconnect switch

SERVICE AND MAINTENANCE

Grouped engine oil and fuel filters

Scheduled Oil Sampling (S-O-SSM) ports

UNDERCARRIAGE AND STRUCTURES

Standard undercarriage (all regions except Middle East)

Medium undercarriage (Middle East only)

Grease lubricated track link
Center track guiding guard
Travel motor guards
3600 kg (7,940 lb) counterweight
Tie-down points

320 GX - Tier 3 Optional Equipment

NOTE

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

BOOMS AND STICKS

2.5 m (8'2") Reach stick
2.7 m (8'9") Reach stick
2.7 m (8'9") HD Reach stick (Middle East only)
2.9 m (9'6") HD Reach stick (Middle East only)

CAB

Operator Protective Guards (OPG)
3 button joysticks

CAT TECHNOLOGY

VisionLink Productivity

ELECTRICAL SYSTEM

LED right-side boom light

HYDRAULIC SYSTEM

Hammer lines
Hammer return filter

SAFETY AND SECURITY

OPG with matching lights
Rearview camera (mandatory in Kingdom of Saudi Arabia; optional in other regions)
Rear- and right-side-view cameras (mandatory for Kingdom of Saudi Arabia; not available in other region:
Rollover Protective Structure (ROPS) (mandatory for Kingdom of Saudi Arabia; optional in Africa, Middle East, South America; not available in other regions)
Travel alarm (standard in South America)
Swing alarm

SERVICE AND MAINTENANCE

Radiator screen

UNDERCARRIAGE AND STRUCTURES

600 mm (24") triple grouser track shoes

790 mm (31") triple grouser track shoes

800 mm (31") triple grouser track shoes (Southeast Asia only)