



# Cat<sup>®</sup> 320D2 GC

*Hydraulic Excavator with  
C4.4 ACERT<sup>™</sup> engine*

2017

**The Cat<sup>®</sup> 320D2 GC hydraulic excavator is engineered for low operating costs, simple routine maintenance, high productivity, and long-term durability.**

## Performance

- The 320D2 GC equipped with the C4.4 ACERT<sup>™</sup> engine burns 7% less fuel than models equipped with the C7.1 ACERT engine, and offers up to 17% lower fuel consumption than the previous 320D2 model.
- The fuel system's robust filtration reduces risk of failure from contaminated fuel.
- Caterpillar designed and built hydraulic pumps deliver superior performance.
- Meets U.S. EPA Tier 3/EU Stage IIIA equivalent, Brazil MAR-1 and China Nonroad Stage III emission standards.
- Boom and stick regeneration valves reduce fuel consumption.

## Versatility

- Utility and finishing work are fast and flawless with Cat buckets, thumbs, and compactors.
- Cat couplers let you swap between attachments in seconds without leaving the cab.
- See the whole money-making attachment lineup at [www.cat.com/attachments](http://www.cat.com/attachments).

## Durability

- The modified X-frame structure provides long life and durability.
- Robotically welded boom and stick are standard.
- Greased track link between pins and bushings increases undercarriage life and reduces noise.

## Ease of Operation

- The cab is ergonomically designed with easy-to-operate controls.
- Multiple seat and joystick adjustment options enhance comfort.
- Excellent work site visibility from the cab enhances productivity and safety.
- Low-effort joystick controls reduce operator fatigue.

## Maintenance

- Most service locations can be accessed at ground level.
- Filters are grouped together to reduce maintenance time.
- Pressure taps and S-O-S<sup>SM</sup> ports help maximize uptime.

## Safety

- The hydraulic activation lever safely locks out all hydraulic functions.
- Anti-skid plating and countersunk bolts reduce slipping in severe conditions and during routine checks.
- A full-length firewall separates the pump compartment from the engine.
- A ground-level fuel cutoff switch shuts down the engine in an emergency.

## Technology

- Integrated Cat technology solutions increase production and minimize operating costs.
- Product Link<sup>™</sup> reports key information from the machine to any location.



# Cat® 320D2 GC Hydraulic Excavator with C4.4 ACERT™ engine

## Engine

Engine Model	C4.4 ACERT	
Engine Power – ISO 14396	93 kW	125 hp
Net Power – SAE J1349/ISO 9249	85 kW	114 hp
Engine RPM (rating)	2,200 rpm	
Bore	105 mm	4.13 in
Stroke	127 mm	5.00 in
Displacement	4.4 L	269 in <sup>3</sup>
<ul style="list-style-type: none"> <li>• The 320D2 GC meets Brazil MAR-1 and China NR III emissions standards, equivalent to U.S. EPA Tier III and EU Stage IIIA.</li> <li>• No engine power derating required below 3000 m (9,843 ft) altitude.</li> </ul>		

## Weights

Maximum Operating Weight	20 800 kg	45,900 lb
Minimum Operating Weight	20 100 kg	44,300 lb

## Drive

Maximum Travel Speed		
High	5.8 km/h	3.6 mph
Low	3.6 km/h	2.2 mph
Maximum Drawbar Pull	206 kN	46,311 lbf

## Hydraulic System

Main System – Maximum Flow (total)	428 L/min	113.1 gal/min
Maximum Pressure	35 MPa	5,076 psi
Maximum Pressure – Swing	25 MPa	3,626 psi
Pilot System – Maximum Flow (total)	23.1 L/min	6.1 gal/min
Pilot System – Maximum Pressure	3900 kPa	566 psi

## Service Refill Capacities

Fuel Tank Capacity	410 L	108.3 gal
Cooling System	25 L	6.6 gal
Engine Oil	16 L	4.2 gal
Swing Drive	8 L	2.1 gal
Final Drive	8 L	2.1 gal
Hydraulic System Oil (including tank)	260 L	68.7 gal
Hydraulic Tank Oil	138 L	36.5 gal

## Swing Mechanism

Swing Speed	11.9 rpm	
Swing Torque	61.8 kN·m	45,581 lbf-ft

## Dimensions\*

Boom Options	Reach Boom – 5.7 m (18'8")		Reach Boom – 5.7 m (18'8")	
	R2.9 B1 (9'6")		R2.5 B1 (8'2")	
Shipping Height**	3030 mm	9'11"	3050 mm	10'0"
Shipping Length	9460 mm	31'0"	9460 mm	31'0"
Tail Swing Radius	2750 mm	9'0"	2750 mm	9'0"
Length to Center of Rollers	3270 mm	10'9"	3270 mm	10'9"
Track Length	4080 mm	13'5"	4080 mm	13'5"
Ground Clearance***	450 mm	1'6"	450 mm	1'6"
Track Gauge – Standard Undercarriage (shipping)	2200 mm	7'3"	2200 mm	7'3"
Transport Width – Standard Undercarriage				
600 mm (24") Shoe	2800 mm	9'2"	2800 mm	9'2"
790 mm (31") Shoe	2990 mm	9'10"	2990 mm	9'10"
Cab Height***	2950 mm	9'8"	2950 mm	9'8"
Counterweight Clearance***	1020 mm	3'4"	1020 mm	3'4"

## Working Ranges

Boom Options	Reach Boom – 5.7 m (18'8")		Reach Boom – 5.7 m (18'8")	
	R2.9 B1 (9'6")		R2.5 B1 (8'2")	
Bucket Type Capacity	GDX 1.0 m <sup>3</sup>	GDX 1.3 yd <sup>3</sup>	GDX 1.0 m <sup>3</sup>	GDX 1.3 yd <sup>3</sup>
Maximum Digging Depth	6730 mm	22'1"	6310 mm	20'8"
Maximum Reach at Ground Line	9870 mm	32'5"	9470 mm	31'1"
Maximum Loading Height	6490 mm	21'4"	6290 mm	20'8"
Minimum Loading Height	2170 mm	7'1"	2590 mm	8'6"
Maximum Depth Cut for 2240 mm (8 ft) Level Bottom	6560 mm	21'6"	5960 mm	19'7"
Maximum Vertical Wall Digging Depth	5750 mm	18'10"	5350 mm	17'7"
Bucket Digging Force (ISO)	140 kN	31,500 lbf	140 kN	31,500 lbf
Stick Digging Force (ISO)	107 kN	24,100 lbf	118 kN	26,500 lbf

\*With UD 0.90 m<sup>3</sup> (1.17 yd<sup>3</sup>) Bucket.  
 \*\*Including shoe lug height.  
 \*\*\*Without shoe lug height.



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