

# Technical Specifications

Engine		
Net Power - ISO 9249	123.7kW	166 hp
Net Power - ISO 9249 (DIN)	168 hp (metric)	
Engine Model	Cat C4.4	
Engine Power - ISO 14396	129.4 kW	174 hp
Engine Power - ISO 14396 (DIN)	176 hp (metric)	
Bore	105 mm	4 in
Stroke	127 mm	5 in
Displacement	4.4 L	269 in <sup>3</sup>
Maximum usable	B20 <sup>1</sup> grade biodiesel	
Emission standards	Meets China's National IV emission standards for non-road vehicles	

Nominal net power is the flywheel-end power measured when the engine is equipped with a fan, air filter, muffler, and alternator. Rated power refers to the result measured at 2000 rpm under specified conditions according to the specifications valid at the time of manufacture.

<sup>1</sup> Cat diesel engines must use ULSD (ultra-low sulfur diesel with a sulfur content not exceeding 15 ppm) or a blend of ULSD with the following low-carbon strength fuels\*\*, with the following maximum percentages: 20% biodiesel FAME (fatty acid methyl esters)\* or 100% renewable diesel, HVO (hydrotreated vegetable oil), and GTL (gas-to-liquid) fuels. Please refer to the guidelines for successful application. For more information, consult your Cat dealer or the \*Caterpillar Machine Fluids Recommendations\* (SEBU6250). \* Engines without aftertreatment systems can use higher blends, up to 100% biodiesel (consult your Cat dealer for blends higher than 20% biodiesel).

\*\* Low-carbon intensity fuels produce essentially the same greenhouse gas emissions

Hydraulic system		
Main System – Maximum Flow – Execution	429 L/min	113.4 gal/min
Maximum Pressure – Equipment	35000 kPa	5075 psi
Maximum Pressure – Travel	35000 kPa	5075 psi
Maximum Pressure – Turn	27500 kPa	3988 psi

Rotation mechanism		
Rotation speed	11.13 r/min	
Maximum slewing torque	82 kN·m	60333 lbf·ft

Weight		
Working weight	21800 kg	48060 lb

Medium chassis, extended boom, R2.9B1 (9'6") stick, general work (GD) 1.3 m<sup>3</sup> (1.7 yd<sup>3</sup>) bucket, 600 mm (24") three-grip track shoes and 4550 kg (10000 lb) counterweight.

Fuel filling capacity		
Fuel tank capacity	390 L	103 gal
Cooling system	24.5 L	6.5 gal
Engine oil	15 L	4 gal
Rotary drive	5.5 L	1.5 gal
Final drive - each	4.5 L	1.2 gal
Hydraulic system - including tank	218 L	57.6 gal
Hydraulic oil tank	115 L	30.4 gal

Size		
Boom	Stretching 5.7 m (18'8")	
Shoulder	Stretching 2.9m(9'6")	
Bucket	GD 1.3 m <sup>3</sup> (1.7 yd <sup>3</sup> )	
Loading Height - Cab Top	2960mm	9.7ft
Handrail Height	3030mm	9.9ft
Transport Length	9515mm	31.2ft
Tail Turning Radius	2830mm	9.3ft
Counterweight Ground Clearance	1046mm	3.4ft
Ground Clearance	468mm	1.5ft
Track Length	4250mm	13.9ft
Track to Track Roller Center Length	3445mm	11.3ft
Track Gauge	2380mm	7.8ft

Scope and intensity of work		
Boom	Stretching 5.7m(18'8")	
Shoulder	Stretching 2.9 m (9'6")	
Bucket	GD 1.3 m <sup>3</sup> (1.7 yd <sup>3</sup> )	
Maximum excavation depth	6660mm	21.9 ft
Maximum ground reach	9810mm	32.2 ft
Maximum cutting height	9440mm	31 ft
Maximum loading height	6550mm	21.5 ft
Minimum loading height	2230mm	7.3ft
2440 mm (8 ft) Maximum cutting depth at horizontal bottom	6490mm	21.3
Maximum vertical wall excavation depth	5530 mm	18.1ft
Bucket digging force-ISO	142kN	31923ft-lbf
Boom digging force-ISO	107kN	23942ft-lbf

# Standard and optional equipment

Cat 323GX Excavator

<https://www.323gx.cn>

Note: Standard and optional equipment may vary.

	Standard	Optional		Standard	Optional
<b>Chassis and Structure</b>			<b>Electrical system</b>		
Medium-sized Chassis	✓		Two 950CCA maintenance-free batteries	✓	
Central track guide guard	✓		Electrical disconnect switch	✓	
Grease lubrication of track	✓		LED chassis and cab lights	✓	
600 mm (24") three-grip track	✓		LED left boom light	✓	
4550 kg (10000 lb) counterweight	✓		LED right-side boom light		✓
Boundpoints	✓		<b>Repair and maintenance</b>		
<b>Cab</b>			Centralized filter location	✓	
Quiet operation and equipped with adhesive damping brackets	✓		Sampling port for planned oil sample analysis (S-O-SSM)	✓	
High-resolution 203mm (8") LCD touchscreen display	✓		Radiator filter		✓
Mechanically adjustable seat with headrest and armrests	✓		<b>Hydraulic system</b>		
51 mm (2") Orange seat belt	✓		Electronic main control valve, hydraulic hammer ready	✓	
Automatic two-stage air conditioning	✓		Series electric pump	✓	
Keyless one-button start engine control	✓		Boom and stick regeneration circuit	✓	
Fixed left console	✓		Automatic hydraulic oil preheating	✓	
One-button control controller	✓		Automatic dual-speed driving	✓	
AM/FM Bluetooth radio with USB/auxiliary port	✓		Hydraulic hammer return filter	✓	
24V DC power jack	✓		High-performance hydraulic return oil filter	✓	
Cup rack and storage compartment	✓		Hydraulic hammer line		✓
70/30 tempered glass windshield	✓		<b>Security</b>		
Rear window emergency exit	✓		Anti-slip coating with countersunk bolts	✓	
Upper radial wipers and washers	✓		Handrails and handles	✓	
Openable steel cab hatch	✓		Lockable external tool/storage box	✓	
LED ceiling light	✓		Lockable power-off switch	✓	
Washable foot mats	✓		Signal/Alarm Horn	✓	
Operator protective hood (OPG) with matching lights	✓		Hydraulic locking lever	✓	
Three-button control handle		✓	Right side mirror	✓	
<b>Engine</b>			Rearview camera		✓
Cat 4.4 twin-turbocharged diesel engine	✓				
Two selectable modes: Power and Smart	✓				
Capable of operating at altitudes up to 4500m (14760ft).	✓				
52°C (125°F) Cooling capacity in high-temperature environments	✓				
-25°C (-13°F) Cold start capability	✓				
Electric fuel injection pump	✓				
Two-stage fuel filter system, equipped with a fuel-water separator and indicator.	✓				
Sealed dual-element air filter with integrated pre-filter	✓				
<b>boom and stick</b>					
5.7 m (18'8") extended boom	✓				
2.9 m (9'6") extension pole	✓				