

# Technical Specifications

Engine			Size				
Net Power - ISO 9249	123.7 kW	166 hp	Boom	Stretching 5.7 m (18'8")			
Net Power - ISO 9249 (DIN)	168 hp (metric)		Shoulder	Stretching 2.9m (9'6")			
Engine Model	Cat C4.4		Bucket	GD 1.3 m <sup>3</sup> (1.7 yd <sup>3</sup> )			
Engine Power - ISO 14396	129.4 kW	174 hp	Loading Height - Cab Top	2960mm	9.7ft		
Engine Power - ISO 14396 (DIN)	176 hp (metric)		Handrail Height	3030mm	9.9ft		
Bore	105 mm	4 in	Transport Length	9515mm	31.2ft		
Stroke	127 mm	5 in	Tail Turning Radius	2830mm	9.3ft		
Displacement	4.4 L	269 in <sup>3</sup>	Counterweight Ground Clearance	1046mm	3.4ft		
Maximum usable	B20 <sup>1</sup> grade biodiesel		Ground Clearance	468mm	1.5ft		
Emission standards	Meets China's National IV emission standards for non-road vehicles		Track Length	4250mm	13.9ft		
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	Boom	Stretching 5.7m(18'8")			
Maximum Pressure – Equipment	35000 kPa	5075 psi	Shoulder	Stretching 2.9 m (9'6")			
Maximum Pressure – Travel	35000 kPa	5075 psi	Bucket	GD 1.3 m <sup>3</sup> (1.7 yd <sup>3</sup> )			
Maximum Pressure – Turn	27500 kPa	3988 psi	Maximum excavation depth	6660mm	21.9 ft		
Rotation mechanism							
Rotation speed	11.13 r/min		Maximum ground reach	9810mm	32.2 ft		
Maximum slewing torque	82 kN·m	60333 lbf·ft	Maximum cutting height	9440mm	31 ft		
Weight							
Working weight	21800 kg	48060 lb	Maximum loading height	6550mm	21.5 ft		
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	Minimum loading height	2230mm	7.3ft		
Cooling system	24.5 L	6.5 gal	2440 mm (8 ft) Maximum cutting depth at horizontal bottom	6490mm	21.3		
Engine oil	15 L	4 gal	Maximum vertical wall excavation depth	5530 mm	18.1ft		
Rotary drive	5.5 L	1.5 gal	Bucket digging force-ISO	142kN	31923ft·lbf		
Final drive - each	4.5 L	1.2 gal	Boom digging force-ISO	107kN	23942ft·lbf		
Hydraulic system - including tank	218 L	57.6 gal					
Hydraulic oil tank	115 L	30.4 gal					

# Standard and optional equipment

Cat323GX Excavator

[www.wme.cn/cat323gx/](http://www.wme.cn/cat323gx/)

Note: Standard and optional equipment may vary.

	Standard	Optional	Standard	Optional
<b>Chassis and Structure</b>			<b>Electrical system</b>	
Medium-sizedChassis	✓		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	✓			