Product Specifications For 323 GX - Tier 3

Engine - Cat® C4.4

Engine Model	Cat® C4.4
Net Power - ISO 9249	123.7 kW
Net Power - ISO 9249 (DIN)	168 hp (metric)
Engine Power - ISO 14396	129.4 kW
Engine Power - ISO 14396 (DIN)	176 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.

Engine - Cat® C7.1

Engine Model	Cat® C7.1
Net Power - ISO 9249	111.3 kW
Net Power - ISO 9249 (DIN)	151 hp (metric)
Engine Power - ISO 14396	158 kW
Engine Power - ISO 14396 (DIN)	160 hp (metric)
Bore	105 mm
Stroke	135 mm
Displacement	7.01 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 1,800 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	21400 kg
Note	Medium undercarriage, Reach boom, R2.9B1 (9'6") stick, General Duty (GD) 1.20 m³ (1.57 yd³) bucket, 600 mm (24") triple grouser shoes and 4250 kg (9,370 lb) counterweight.

Hydraulic System

Main System - Maximum Flow - Implement	429 L/min
Maximum Pressure - Equipment	35000 kPa
Maximum Pressure - Travel	35000 kPa
Maximum Pressure - Swing	27500 kPa

Swing Mechanism

Swing Speed*	11.13 r/min
Maximum Swing Torque	82 kN·m
Note (1)	*For CE-marked machine default value may be set lower.

Service Refill Capacities

Fuel Tank Capacity	390 l
Cooling System (C4.4 engine)	24.5 l
Cooling System (C7.1 engine)	32.5 l
Engine Oil (C4.4 engine)	15 l
Engine Oil (C7.1 engine)	25 l
Swing Drive	5.5 l
Final Drive - Each	4.5 l

Hydraulic System - Including Tank	218 l
Hydraulic Tank	115 l

Dimensions

Boom	Reach 5.7 m (18'8")
Stick	Reach 2.9 m (9'6")
Bucket	GD 1.20 m³ (1.57 yd³)
Undercarriage	Medium
Shipping Height - Top of Cab	2980 mm
Handrail Height	3030 mm
Shipping Length	9520 mm
Tail Swing Radius	2830 mm
Counterweight Clearance	1050 mm
Ground Clearance	470 mm
Track Length	4250 mm
Track Length to Center of Rollers	3450 mm
Track Gauge	2380 mm
Transport Width	3170 mm

Working Ranges And Forces

Boom	Reach 5.7 m (18'8")
Stick	Reach 2.9 m (9'6")

Bucket	GD 1.20 m³ (1.57 yd³)
Maximum Digging Depth	6710 mm
Maximum Reach at Ground Level	9860 mm
Maximum Cutting Height	9470 mm
Maximum Loading Height	6500 mm
Minimum Loading Height	2180 mm
Maximum Depth Cut for 2440 mm (8 ft) Level Bottom	6020 mm
Maximum Vertical Wall Digging Depth	5740 mm
Bucket Digging Force - ISO	140 kN
Stick Digging Force - ISO	107 kN

323 GX - Tier 3 Standard Equipment

NOTE

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

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
Automatic bi-level air conditioner
Keyless push-to-start engine control
Fixed left-side console
1 button joysticks
Bluetooth® radio with USB/Aux ports
Speakers (mounted on roof)
24V DC outlet
Cup holder and storage compartments
Rear window emergency exit
70/30 tempered glass windshield
Openable steel hatch

LED Dome light
Washable floor mat

CAT TECHNOLOGY

VisionLink®

ELECTRICAL SYSTEM

Two 950 CCA maintenance-free batteries
Electrical disconnect switch
LED chassis and cab lights
LED left-side boom light

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
Direct drive fan
Two-stage fuel filtration system with water separator and indicator
Sealed double-element air filter with pre-cleaner

HYDRAULIC SYSTEM

Electronic main control valve, hammer ready
Tandem type electronic main pump
Boom and stick regeneration circuits
Automatic hydraulic oil warm up
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
Lockable disconnect switch
Ground-level secondary engine shutoff switch
Signaling/warning horn
Hydraulic lockout lever
Right-side-view mirror

SERVICE AND MAINTENANCE

Grouped location of filters
Scheduled Oil Sampling (S·O·S℠) ports

UNDERCARRIAGE AND STRUCTURES

Grease lubricated track link
Tie-down points

323 GX - Tier 3 Optional Equipment

NOTE

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

BOOMS AND STICKS

5.7 m (18'8") Reach boom
5.7 m (18'8") HD Reach boom (Middle East, Southeast Asia, Indonesia only)
8.85 m (29") Super Long Reach boom (Middle East, Southeast Asia, Indonesia only)
2.5 m (8'2") Reach stick (Africa, Middle East only)
2.9 m (9'6") Reach stick
2.9 m (9'6") HD Reach stick (Middle East, Southeast Asia, Indonesia only)
6.28 m (20'7") Super Long Reach stick (Middle East, Southeast Asia, Indonesia only)

CAB

Rollover Protective Structure (ROPS) (mandatory for Kingdom of Saudi Arabia)
Operator Protective Guards (OPG)
3 button joysticks

ELECTRICAL SYSTEM

LED right-side boom light

ENGINE

Cat C4.4 twin turbo diesel engine
Cat C7.1 single turbo diesel engine (optional Southeast Asia, Indonesia; standard Middle East)

HYDRAULIC SYSTEM

Hammer lines
Hammer return filter

SAFETY AND SECURITY

Right-hand edge mirror on cab
Rearview camera
Rear- and right-side-view cameras (mandatory for Kingdom of Saudi Arabia; not available in other region
Travel alarm
Swing alarm

SERVICE AND MAINTENANCE

Radiator screen

UNDERCARRIAGE AND STRUCTURES

Medium undercarriage (all regions except Middle East)
Long undercarriage (standard Middle East; optional Sri Lanka, Indonesia, Southeast Asia only)
600 mm (24") triple grouser track shoes
790 mm (31") triple grouser track shoes
800 mm (31") triple grouser track shoes (Southeast Asia only)
4250 kg (9,370 lb) counterweight
4700 kg (10,360 lb) counterweight (for use with SLR or HD front)