

# 120 GC

MOTOR GRADER



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**Engine Power**  
**Operating Weight**

115-128 kW (154-171 hp)  
14,254 kg (31,424 lb)

Cat® C4.4 engine meets China Nonroad Stage III emission standards, equivalent to U.S. EPA Tier 3/EU Stage IIIA.



# THE NEW CAT<sup>®</sup> 120 GC

GO THE DISTANCE

The new **Cat 120 GC** Motor Grader combines reliable performance with cost-efficient owning and operating. Servicing the machine is easy with grouped filter locations. Comfort options, including a heating/cooling system or air suspension seat, keep you productive throughout the day.



## GRADING THE ROAD AHEAD

The new Cat 120 GC Motor Grader gets you to the ideal grade with simple-to-operate, quick and accurate hydraulic controls.

- + CONSISTENT AND RELIABLE PERFORMANCE TO GET THE JOB DONE
- + CAB OPTIONS FOR IDEAL COMFORT
- + EASILY MAINTAIN AND SERVICE

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## CAB DESIGNED FOR COMFORT

Boost productivity and efficiency with cab comfort options.

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## LOW COST-PER-HOUR OPERATION

Extended maintenance cycles, demand fan and optional reversing fan keep your overall costs down.

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## RELIABLE PERFORMANCE

Get precise, consistent blade movement with the Cat drawbar, circle, moldboard (DCM) and controls.

# WORK MORE... FUEL LESS

Get up to 5% fuel savings using Eco mode



### SCENARIO:

COMPARED TO NOT USING ECO MODE



# CAT LINK TECHNOLOGY

## TAKES THE GUESSWORK OUT OF MANAGING YOUR EQUIPMENT

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Cat Link telematics technology helps take the complexity out of managing your jobsites by gathering data generated by your equipment, materials and people and serving it up to you in customizable formats.



### **PRODUCT LINK™**

Product Link™ collects data automatically and accurately from your assets – any type and any brand. Information such as location, hours, fuel usage, productivity, idle time, maintenance alerts, diagnostic codes and machine health can be viewed online through web and mobile applications.



### **VISIONLINK®**

Access information anytime, anywhere with VisionLink®. Use it to make informed decisions that boost productivity, lower costs, simplify maintenance and improve safety and security on your jobsite. With different subscription level options, your Cat dealer can help you configure exactly what you need to connect your fleet and manage your business without paying for extras you don't want. Subscriptions are available with cellular or satellite reporting (or both).

QUICK SERVICE

# EASY MAINTENANCE



## REVERSING FAN

Spend less time cleaning the cooling system with the reversing fan option. Cleaning at least once a week helps reduce costs and boost uptime.

## LONGER SERVICE INTERVALS

Reduce your operating expenses and spend more time working with extended filter intervals.

## GROUPED LOCATION

Service your machine faster with easy access filters in a central location so you can do preventative maintenance quickly and move on to the next job.

## ADJUSTABLE SUPPORT

Enter the cab easily and pull the control console into place. The air suspension seat option is easily adjustable and helps to improve posture, add comfort and reduce fatigue.

## VENTILATION

The heating and cooling system option helps you stay comfortable throughout the day.

## DIGITAL BLADE SLOPE METER

Reduce the need for manual grade checking to keep you and your worksite safer. The optional Digital Blade Slope Meter integrates directly onto your information display screen.



ADJUSTABLE OPTIONS

# COMFORT WHERE IT COUNTS



## CONVENIENT DISPLAY

View machine and diagnostic information in front of you on the dash display.



## EXTRAORDINARY VISIBILITY

Side- and rearview mirrors give you a broad view of the jobsite. The rearview camera option provides a wide view behind the machine for better visibility.



## PRECISE CONTROLS

Become one with your machine using fast, accurate hydraulic controls to power through the job. The powershift transmission changes on the go to minimize shifting gears.



## EASY ON AND OFF

Work safely using three points of contact when entering and exiting the machine with strategically placed walkways and grab rails.

# SEE YOUR INVESTMENT GO FURTHER DESIGNED TO LAST

## MAXIMIZE COMPONENT LIFE

Reduce daily greasing requirements and repairs to your circle and pinion with the Circle Saver option. The grease fitting is easy to access and maintain.

## REDUCE DAMAGE

The standard transmission guard defends against damage from underneath the machine. Keep your machine running smoothly in demanding applications with optional guarding for under the cab and fenders.

## PRESERVE YOUR MACHINE

The circle drive slip clutch option protects your pinion drive and circle teeth from damage.

## MORE THAN MACHINES

When you buy Cat equipment, you're getting so much more than the machine. You're also getting the support of a best-in-class dealer network, backed by a range of flexible solutions, technology, tools and more. It's Customer Value Agreements (CVAs) and financing solutions. It's cost-saving service and repair options. It's quality parts and precision components. It's rental and used equipment options. It's all about support that's built around your success.







MOVE MORE  
**WITH CAT ATTACHMENTS**



**MID MOUNT SCARIFIER**



**RIPPER**



**FRONT BLADE**

**ENHANCE YOUR PRODUCTIVITY**

From a ripper to front blade, expand the versatility of your machine by utilizing Cat attachments, which are designed to fit your needs for improved reliability, performance, safety and stability.

# TECHNICAL SPECIFICATIONS

See [cat.com](http://cat.com) for complete specifications.

POWER TRAIN		
Engine Model	Cat® C4.4	
	U.S. EPA Tier 3/EU Stage IIIA equivalent	
Net Engine Power	115 kW	154 hp
	156 mhp	
Displacement	4.4 L	268.5 in <sup>3</sup>
Bore	105.0 mm	4.1 in
Stroke	127.0 mm	5.0 in
Torque Rise (ISO 9249)	21%	
Maximum Torque (ISO 9249)	738 N•m	544 lb-ft
Number of Cylinders	4	
Derating Altitude	3000 m	9,842 ft
Standard Capability	50°C	122°F

- Net power is tested per ISO 9249, SAE J1349 and EEC 80/1269 Standards in effect at the time of manufacture.
- Net power available at the flywheel when the engine is equipped with fan, air cleaner, muffler and alternator with engine speed at 2,000 rpm.

MACHINE WEIGHT		
Weight*	14,254 kg	31,424 lb

\* Typically equipped operating weight includes tires, push block, ripper, bottom guard, operator and full fluids and fuel.

SERVICE REFILL CAPACITIES		
Fuel Tank	269 L	71 gal
Circle Drive with Slip Clutch	7.0 L	1.8 gal
Circle Drive without Slip Clutch	1.5 L	0.4 gal
Engine Crankcase	7.6 L	2.0 gal
Cooling System	39 L	10.3 gal
Hydraulic System	55 L	14.5 gal
Transmission	17 L	4.5 gal

BLADE RANGE			
Circle Center Shift			
Right	656 mm	25.8 in	
Left	656 mm	25.8 in	
Moldboard Side Shift			
Right	663 mm	26.1 in	
Left	512 mm	20.2 in	
Blade Tip Range			
Forward			40°
Backward			5°
Maximum Lift Above Ground	410 mm	16.1 in	
Maximum Depth of Cut	775 mm	30.5 in	

MOLDBOARD			
Blade Width	3.7 m	12 ft	
Blade Height	580 mm	20 in	
End Bit Width	152 mm	6 in	
Cutting Edge Width	152 mm	6 in	
Arc Radius	413 mm	16.3 in	
Throat Clearance	112 mm	4.7 in	

DIMENSIONS			
Length of Machine*	9941 mm	391.4 in	
Maximum Height with Attachments	3787.8 mm	149.1 in	
Width	2402 mm	94.6 in	

\*Typically equipped with push block and ripper.

AIR CONDITIONING SYSTEM	
The air conditioning system on this machine contains the fluorinated greenhouse gas refrigerant R134a (Global Warming Potential = 1430). The system contains 2.0 kg of refrigerant which has a CO <sub>2</sub> equivalent 2.86 metric tonnes.	

# STANDARD & OPTIONAL EQUIPMENT

Standard and optional equipment may vary. Consult your Cat dealer for details. Not all options available in all regions.

POWER TRAIN	STANDARD	OPTIONAL
Cat C4.4 Engine	•	
Eco Mode	•	
Demand Fan	•	
Reversing Fan		•
CAB	STANDARD	OPTIONAL
Standard Seat	•	
Mechanical Suspension Seat		•
Air Suspension Seat		•
Steering Wheel/Lever Controls	•	
ROPS/FOPS		•
Heating/Cooling Cab System		•
Rear Wiper		•
Base Cab		•
Canopy		•
Cab Plus		•
Low Profile Cab		•
Information Display Screen	•	
Halogen Lighting		•
Entertainment Radio Ready		•
Rear Window Screen		•
Front Wipers		•
Digital Blade Slope Meter		•
Product Link™	•	
DRAWBAR CIRCLE MOLDBOARD	STANDARD	OPTIONAL
Standard Drawbar Circle Moldboard	•	
Circle Drive Slip Clutch		•
Circle Saver		•
3.7 m (12') Moldboard	•	
3.1 m (10') Moldboard		•
4.3 m (14') Moldboard		•

SAFETY AND SECURITY	STANDARD	OPTIONAL
Parking Brake	•	
Signaling/Warning Horn	•	
Rearview Mirror	•	
Rearview Camera		•
Hydraulic Brakes	•	
Secondary Steering System		•
Side-view Mirrors	•	
Walkways and Grab Rails	•	
ATTACHMENTS	STANDARD	OPTIONAL
Push Block		•
Ripper		•
Scarifier		•
Front Blade		•
Tow Hitch		•

For more complete information on Cat products, dealer services and industry solutions, visit us on the web at [www.cat.com](http://www.cat.com).

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(Afr-ME, Pacific Islands,  
CIS, Indonesia, S Am  
excluding Brazil)

