140 GC

MOTOR GRADER



Engine Power	131 kW-147 kW (176 hp-196 hp)
Operating Weight	16 620 kg (36,640 lb)

Cat® C7.1 engine meets China Nonroad Stage III and Brazil MAR-1 emission standards, equivalent to U.S. EPA Tier 3/EU Stage IIIA.

CAT®

THE NEW CAT® 140 GC

GO THE DISTANCE

The new **Cat 140 GC** motor grader combines 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 140 GC motor grader gets you to the ideal grade with simple-to-operate, quick, and accurate hydraulic controls.

+ GET THE PERFORMANCE YOU NEED IN THE CAT C7.1 ENGINE
+ CAB OPTIONS FOR IDEAL COMFORT
+ EASILY MAINTAIN AND SERVICE

LOW COST-PER-HOUR OPERATION

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

CAB DESIGNED FOR COMFORT

Boost productivity and efficiency with cab comfort options.

PERFORMANCE YOU NEED

Get precise, consistent blade movement with the Cat C7.1 engine, hydraulic system, and controls. Optional all-wheel drive (AWD) gives you increased power to handle rough terrain with extra traction for better productivity.

WORK MORE... FUEL LESS

Get up to 5% fuel savings using Eco mode



SCENARIO:

COMPARED TO NOT USING ECO MODE



TAKE THE GUESSWORK OUT OF MANAGING YOUR EQUIPMENT CAT TECHNOLOGY

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.



CAT APP

The Cat App helps you manage your assets – at any time – right from your smartphone. You can see your fleet location, hours, and other information you need to see. You will get critical alerts for required maintenance, and you can even request service from your local Cat dealer.

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 – and 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. May not be available in all regions.

QUICK SERVICE

EASY MAINTENANCE



LOWER FUEL CONSUMPTION

Stop less for a refuel with the on-demand cooling fan and Eco mode, which save you up to 5 percent in fuel costs.

LONG SERVICE INTERVALS

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

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. Lumbar support in the air suspension seat option helps to improve posture 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 with the Digital Blade Slope Meter option, which integrates directly onto your information display screen.



ADJUSTABLE OPTIONS

COMFORT WHERE IT COUNTS

CONVENIENT SETTINGS

Get all the necessary settings information on the easy-to-read information display screen.

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 gears on the go without the need for an inching pedal. The AWD option assists with traction and maneuvering in loose material.

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.

PRESERVE YOUR MACHINE

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

REDUCE DAMAGE

Keep your machine running smoothly in demanding applications with guarding. The standard transmission guard defends against damage from underneath the machine.



MOVE MORE

WITH CAT ATTACHMENTS



SCARIFIER



RIPPER



FRONT BLADE

ENHANCE YOUR PRODUCTIVITY

From a ripper to front blade, expand the versatility of your machine by utilizing a variety of Cat attachments. Each one is designed to fit your needs for improved performance, safety, and stability.

TECHNICAL SPECIFICATIONS

See *cat.com* for complete specifications.

POWER TRAIN		
Engine Model		Cat C7.1
		Meets China Nonroad Stage III and Brazil MAR-1 emission standards, equivalent to U.S. EPA Tier 3/EU Stage IIIA
Net Power ISO 9249/SAE J1349 EEC 80/1269		131 kW-147 kW 176 hp-196 hp
Bore	105 mm	4.1 in
Displacement	7.01 L	427.8 in^3
Stroke	135 mm	5.3 in
Engine RPM		2,200 rpm
Maximum Torque – ISO 9249	889 N•m	656 lbf-ft
Top Forward Speed	41.7 km/h	25.9 mph
Top Reverse Speed	24.0 km/h	14.9 mph
Turning Radius, Outside Front Tires	7.8 m	25.6 ft

- Net power is tested per ISO 9249, SAE J1349, and EEC 80/1269 Standards in effect at the time of manufacture.
- 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_2 equivalent of 2.86 metric tonnes.
- Net power advertised is the power available at rated speed of 2,200 rpm, measured at the flywheel when engine is equipped with fan, air cleaner, muffler, and alternator.

WEIGHT		
Typically Equipped Machine Weight*		
Machine Weight	16 620 kg	36,640 lb
All-Wheel Drive Weight**	18 700 kg	41,230 lb

*Typically equipped operating weight is calculated with full fuel tank, coolant, lubricants, operator, push block, rear ripper/scarifier, 3.7 m (12 ft) blade, 14.0R24 tires on single-piece rims, and other equipment.

**Typically equipped operating weight is calculated with full fuel tank, coolant, lubricants, operator, front blade, ROPS close cab, rear ripper/scarifier, 4.3 m (14 ft) blade, 17.5R25 tires with multi-piece rims, and other equipment.

SERVICE REFILL CAPACITIES		
Fuel Tank	295 L	77.9 gal
Standard Circle Drive	1.5 L	0.4 gal
Circle Drive Slip Clutch	7 L	1.8 gal
Engine Crankcase	19 L	5 gal
Cooling System	57 L	15.1 gal
Hydraulic System	55 L	14.5 gal
Transmission	18 L	4.8 gal
Differential Group	33 L	8.7 gal

BLADE RANGE		
Circle Center Shift		
Right	728 mm	28.7 in
Left	752 mm	29.6 in
Moldboard Side Shift		
Right	512 mm	20.2 in
Left	663 mm	26.1 in
Blade Tip Range		
Forward		40°
Backward		5°
Maximum Shoulder Reach		
Right	1928 mm	75.9 in
Left	1764 mm	69.4 in
Maximum Lift Above Ground	480 mm	18.9 in
Maximum Depth of Cut	735 mm	28.9 in

MOLDBOARD		
Width	3.7 m	12 ft
Height	509 mm	20 in
End Bit	152 mm	6 in
Cutting Edge	152 mm	6 in
Arc Radius	413 mm	16.3 in
Throat Clearance	112 mm	4.7 in

DIMENSIONS		
Length of Machine*	10 332 mm	406.8 in
Maximum Height	3839 mm	151.1 in
Width	2428 mm	95.6 in
*Typically equipped with push block and ripper.		

NET POWER		
Gear		VHP
Forward		
1st	131 kW	176 hp
2nd	139 kW	186 hp
3rd – 6th	147 kW	196 hp
Reverse		
1st	131 kW	176 hp
2nd	139 kW	186 hp
3rd	147 kW	196 hp

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 C7.1 Engine	•	
Eco Mode	•	
50°C (122°F) Ambient Capacity	•	
Engine Idle Shutdown Timer	•	
No-spin Differential	•	
Digital Blade Slope Meter		•
Demand Fan	•	

CAB	STANDARD	OPTIONAL
ROPS/FOPS	•	
Static Seat	•	
Mechanical Suspension Seat		•
Air Suspension Adjustable Seat		•
Canopy		•
Information Display	•	
Adjustable Control Console	•	
Entertainment Radio Ready	•	
Halogen Lighting	•	

DRAWBAR CIRCLE MOLDBOARD	STANDARD	OPTIONAL
Standard Drawbar Circle Moldboard	•	
Circle Drive Slip Clutch		•
Circle Saver		•

SAFETY AND SECURITY	STANDARD	OPTIONAL
Rearview Mirror	•	
Side-view Mirror	•	
Signaling/Warning Horn	•	
Secondary Steering System		•
Rearview Camera		•
Hydraulic Brakes	•	
Rear Fenders		•

SERVICE AND MAINTENANCE	STANDARD	OPTIONAL
Grouped Location for Engine Oil and Fuel Filters	•	
Extended Life Coolant	•	

ATTACHMENTS	STANDARD	OPTIONAL
Push Block		•
Ripper		•
Scarifier		•
Front Blade		•



For more complete information on Cat products, dealer services and industry solutions, visit us on the web at www.cat.com.

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