

# 140 GC

MOTOR GRADER



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

131 kW-147 kW (176 hp-196 hp)  
18 365 kg (40,488 lb)

Cat® 140 GC meets U.S. EPA Tier 4 Final, EU Stage V, and China Nonroad Stage IV emission standards.



# CAT<sup>®</sup> 140 GC

GO THE DISTANCE

The **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 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 AND ALL-WHEEL DRIVE (AWD) OPTION
- + CAB OPTIONS FOR IDEAL COMFORT
- + EASILY MAINTAIN AND SERVICE

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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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## CAB DESIGNED FOR COMFORT

Boost productivity and efficiency with cab comfort options.

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## RELIABLE PERFORMANCE

Get precise, consistent blade movement with the Cat C7.1 engine and controls along with added traction with the AWD option.

# 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



## REVERSING FAN

Spend less time cleaning the cooling system with the reversing fan option, which reduces costs when cleaned once per week for more uptime.

## 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 on the go to minimize shifting gear. All-Wheel Drive (AWD) gives you more traction to handle rough terrain.



## 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

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

## PRESERVE YOUR MACHINE

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







MOVE MORE  
**WITH CAT ATTACHMENTS**



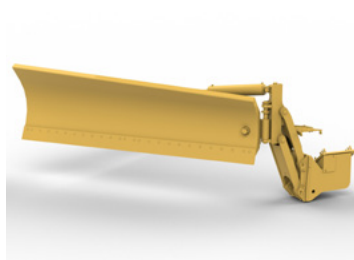
**MID MOUNT SCARIFIER**



**RIPPER**



**FRONT BLADE**



**SNOW WING**

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

POWERTRAIN		
Engine Model	Cat C7.1	
	Meets U.S. EPA Tier 4 Final, EU Stage V and China Nonroad Stage IV emission standards.	
Net Power* ISO 9249, SAE J1349, 80/1269/EEC	147 kW	196 hp
Engine Power AWD	147 kW	196 hp
Bore	105 mm	4.1 in
Displacement	7.01 L	427.8 in <sup>3</sup>
Stroke	135 mm	5.3 in
Engine RPM	2,200 rpm	
Maximum Torque – ISO 9249	835 N•m	616 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 available at the flywheel when the engine is equipped with fan, air cleaner, aftertreatment, and alternator with engine speed at 2,200 rpm.		
<ul style="list-style-type: none"> <li>• Engine power is tested per ISO 9249, SAE J1349, and EEC 80/1269 Standards in effect at the time of manufacture.</li> <li>• 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 of 2.86 metric tonnes.</li> </ul>		
WEIGHT		
Typically Equipped Machine Weight*		
Weight (Stage V)*	17 650 kg	38,912 lb
Weight (Tier 4 Final)**	18 365 kg	40,488 lb
AWD (Stage V)*	18 390 kg	40,543 lb
AWD (Tier 4 Final)**	19 105 kg	42,119 lb
<ul style="list-style-type: none"> <li>• Typically equipped operating weight is calculated with full fuel tank, coolant, lubricants, operator, push block, rear ripper, tires on multi-piece rims (*17.5-25 Bias/**17.5R-25), and other equipment.</li> </ul>		
SERVICE REFILL CAPACITIES		
Fuel Tank	295 L	77.9 gal
Diesel Exhaust Fluid (DEF)	16 L	4.2 gal
Circle Drive without Slip Clutch	2 L	0.5 gal
Circle Drive with Slip Clutch	7.5 L	2.0 gal
Engine Crankcase	21 L	5.5 gal
Cooling System	40 L	10.6 gal
Hydraulic System	45 L	11.9 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	526 mm	20.7 in	
Left	649 mm	25.6 in	
Blade Tip Range			
Forward	40°		
Backward	5°		
Maximum Shoulder Reach			
Right	1812 mm	71.3 in	
Left	1886 mm	74.3 in	
Maximum Lift Above Ground	475 mm	18.7 in	
Maximum Depth of Cut	715 mm	28.1 in	
MOLDBOARD			
Width	3.7 m	12 ft	
Height	610 mm	24 in	
End Bit	152 mm	6 in	
Cutting Edge	152 mm	6 in	
Arc Radius	417 mm	16.4 in	
Throat Clearance	112 mm	4.7 in	
DIMENSIONS			
Length of Machine*	10 332 mm	406.7 in	
Maximum Height	3798 mm	149.5 in	
Width	2493 mm	98.1 in	
Width (AWD)	2638 mm	103.9 in	
*Typically equipped with push block and ripper.			
NET POWER			
Gear	VHP		AWD
Forward			
1st	131 kW	176 hp	147 kW 196 hp
2nd	139 kW	186 hp	147 kW 196 hp
3rd – 6th	147 kW	196 hp	147 kW 196 hp
Reverse			
1st	131 kW	176 hp	147 kW 196 hp
2nd	139 kW	186 hp	147 kW 196 hp
3rd	147 kW	196 hp	147 kW 196 hp
<ul style="list-style-type: none"> <li>• Power as declared per ISO 14396</li> <li>• Engine power is rated at 150 kW (201 hp) at 2,200 rpm.</li> </ul>			

# STANDARD & OPTIONAL EQUIPMENT

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

POWERTRAIN	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	•	
Reversing Fan		•
All-Wheel Drive (AWD)		•
CAB	STANDARD	OPTIONAL
ROPS/FOPS	•	
Static Seat	•	
Mechanical Suspension Seat		•
Air Suspension Adjustable Seat		•
Information Display	•	
Adjustable Control Console	•	
Entertainment Radio Ready	•	
LED Lighting	•	
Product Link	•	
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	•	
Parking Brake	•	
Secondary Steering System		•
Rearview Camera		•
Front-view 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		•
Moldboard – 4279 mm × 659 mm × 20 mm (14 ft × 25.9 in × .875 in)		•
Ripper/Scarifier		•
Mid Mount Scarifier		•
Front Blade		•

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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AEXQ2991-02 (04-2024)  
Replaces AEXQ2991-01  
Build Number 01A  
(N Am, Europe, Chile,  
China, Colombia, Turkey)

