



Cat[®] 140 GC

Motor Grader

The Cat[®] 140 GC Motor Grader is easy to own and operate. It's easy on your wallet too. A demand fan and standard ECO mode reduces fuel consumption while open access to maintenance points makes service quick and simple. Control the blade with consistent precision using lever controls from the comfort of the cab. Not all features available in all regions. Consult your Cat dealer for specific configurations available in your region.

Productive and Economical

- Increase your fuel economy up to 5% with the standard ECO mode.
- The on-demand fan reduces fuel consumption and under-hood heat for longer component life.
- Improve productivity with the Electronic Throttle Control which matches engine power and torque to application requirements.
- The powershift transmission with torque converter and machine balanced design ensures that you get full drawbar power to the ground with the Cat C7.1 engine.
- The all-wheel drive (AWD) option assists with traction and maneuvering in loose material. The increased power with all-wheel drive handles rough terrain with extra traction for better productivity.
- The hydraulic system offers a multifunction capability for precise and predictable performance resulting in a more consistent grade.
- Increase your maneuverability with the articulation hitch to give you a shorter turning radius.
- The Digital Blade Slope Meter option shows you the grade without relying on manual grade checkers to keep your work site more productive and safer.
- Product Link™ provides location, machine hours, fuel usage, productivity, idle time, diagnostic codes, and other machine data on demand through the VisionLink® online interface, which helps you improve jobsite efficiency with lower operating costs.

Cab Keeps You Comfortable All Day Long

- Choose your comfort level in the cab with standard, mechanical suspension or air suspension seat.
- Easily adjust the control console and steering wheel.
- The high capacity Heating, Ventilation and Air Conditioning (HVAC) system option circulates fresh air, prevents dust entry and keeps windows from fogging.
- Easily add a radio to the cab using the built-in mounting location option.

Reliable, Whatever the Environment

- The drawbar circle moldboard stays factory tight providing precision grading pass after pass.
- The machine structure is built for a long life. It's designed to use several types of work tools, such as a front blade.
- A slip clutch option protects the circle drive if the machine strikes an immovable object.
- The front axle maximizes bearing life while also minimizing maintenance.
- Reduce daily greasing requirements and costly repairs to your circle and pinion with the Circle Saver option.



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Built in Safety Features

- See what's behind you with the rear camera option. The dedicated display can always be on to ensure a safe work environment.
- Optional dual front cameras offer more visibility to you while roading and working with the blade.
- In the event of an engine stall, count on the secondary steering system option to help stop the machine safely.
- Use three points of contact when entering and exiting the machine with strategically placed walk ways and grab rails.
- Ground level engine shut-off switch stops all fuel to the engine when activated and shuts down the machine.
- See the rear of your machine with side and rearview mirrors.
- Work past sundown using the strategically placed lights for night time visibility.

Simpler Maintenance

- Filters, such as fuel, engine air, and oil filters, are grouped together for easy access and preventative maintenance.
- The standard drawbar circle moldboard increases durability using hardened circle teeth and replaceable wear inserts to help sustain factory tightness.
- Hydraulic brakes are well oiled to keep them maintenance free.
- The standard bottom guard shields the transmission and filter. Optional guarding underneath the cab protects your machine from damage in demanding applications.
- Spend less time cleaning the cooling system with the reversing fan option, which reduces costs when cleaned once per week for more uptime.
- Remote Troubleshoot connects you to a dealer service pro to help solve your problem and quickly get you to work.
- Remote Flash works around your schedule to ensure your machine's software is up to date for optimal performance.
- S-O-SSM ports are available for simplifying maintenance and allowing for quick, easy extraction of fluid samples for analysis.

Options to Meet Your Needs

- Improve the performance and efficiency of your machine with the standard or heavy-duty push block and counterweight options.
- Ripper and scarifier options are available to assist with grading hard ground.
- The front lift group option is ready for attachments like the straight front blade.
- Expand your machine's capabilities with the tow hitch.
- For more road coverage, add a moldboard extension to add 605 mm (24 in).

Standard and Optional Equipment

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

	Standard	Optional		Standard	Optional
CAB			DRAWBAR CIRCLE MOLDBOARD		
Standard Seat	✓		Circle Drive Slip Clutch		✓
Mechanical Suspension Seat		✓	Circle Saver		✓
Air Suspension Seat		✓	SAFETY		
Steering Wheel/Lever Controls	✓		Parking Brake	✓	
ROPS/FOPS		✓	Signaling/Warning Horn	✓	
Heating/Cooling Cab System		✓	Rearview Mirror	✓	
Rear Wiper		✓	Rearview Camera		✓
Base Cab	✓		Front View Camera		✓
Canopy		✓	Hydraulic Brakes	✓	
Cab Plus		✓	Secondary Steering System		✓
Information Display Screen	✓		Side View Mirrors	✓	
Halogen Lighting	✓		Walkways and Grab Rails	✓	
Entertainment Radio Ready	✓		VERSATILITY		
Rear Window Screen		✓	Counterweight		✓
Front Wipers		✓	Push Block		✓
Digital Blade Slope Meter		✓	Ripper		✓
Product Link	✓		Scarifier		✓
POWER TRAIN			Front Lift Group		✓
Cat C7.1	✓		Snow Wing		✓
ECO Mode	✓		Front Blade		✓
On-Demand Fan	✓				
All-Wheel Drive (AWD)		✓			
Reversing Fan		✓			
No-Spin Differential	✓				

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Technical Specifications

Power Train

Engine Model	Cat 7.1	
Emissions	U.S. EPA Tier 4 Final/EU Stage V and China Nonroad Stage IV emission standards	
Engine Power	131 kW-147 kW	176 hp-196 hp
Engine Power (AWD)	147 kW	196 hp
Engine RPM	2,200	
Displacement	7.01 L	427.8 in ³
Bore	105 mm	4.1 in
Stroke	135 mm	5.3 in
Torque Rise ISO 9249	40%	
Maximum Torque ISO 9249	835 N·m	616 lbf·ft
Number of Cylinders	6	
Derating Altitude	3000 m	9,842 ft
Standard Capability	43° C	109° F
High Ambient Capability	50° C	122° F
<ul style="list-style-type: none"> • Net power is tested per ISO 9249, SAE J1349, and EEC 80/1269 Standards in effect at the time of manufacture. • 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. • Power as declared per ISO 14396. 		

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 CO₂ equivalent of 2.86 metric tonnes.

Machine Weight

Weight (Stage V)*	17 650 kg	38,912 lb
Weight (Tier 4 Final)**	18 365 kg	40,488 lb
All-Wheel Drive Weight (AWD) (Stage V)*	18 390 kg	40,543 lb
All-Wheel Drive Weight (AWD) (Tier 4 Final)**	19 105 kg	42,119 lb

*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.

Dimensions

Length of Machine*	10 332 mm	406.7 in
Maximum Height	3363 mm	132.4 in
Width	2428 mm	95.6 in
Width (AWD)	2523 mm	99.3 in

*Typically equipped with push block and ripper.

Moldboard

Blade Width	3.7 m	12 ft
Blade Height	610 mm	24 in
Arc Radius	413 mm	16.3 in
Throat Clearance	112 mm	4.4 in
End Bit Width	152 mm	6 in
Cutting Edge Width	152 mm	6 in

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

Service Refill Capacities

Fuel Tank	295 L	78 gal
Circle Drive with Slip Clutch	7.5 L	2 gal
Circle Drive without Slip Clutch	2 L	0.5 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

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