

140

MOTOR GRADER



Engine Power	174-194 kW (233-260 hp)
Operating Weight (Joystick)	19 040 kg (41,976 lb)
Operating Weight (Lever)	18 748 kg (41,332 lb)

Cat® C7.1 engine meets Brazil MAR-1, equivalent to U.S. EPA Tier 3 emission standards



EXPERIENCE THE POWER IN THE NEXT GEN CAT® 140 MOTOR GRADER

The redesigned 140 offers greater operator comforts and reduced maintenance intervals while helping get to grade faster and with more efficiency.

- + OPTIMIZED FOR THE OPERATOR FOR GREATER VISIBILITY
- + INCREASED UPTIME WITH EXTENDED SERVICE INTERVALS
- + MAXIMIZED PRODUCTIVITY TO HIT GRADE FASTER



THE CAT® 140

RELIABLE ROAD GRADING WITH ADVANCED TECHNOLOGY

The Next Generation Cat® 140 Motor Grader is a mid-size machine ideal for road maintenance. It delivers the right balance of power, control, and blade reach for grading, crowning, and ditching. Maintain your gravel secondary roads in comfort with the redesigned cab.



INCREASED UPTIME

Combining extended service intervals with centralized access points, the 140 Next Gen is designed for longer life and rebuild capabilities compared to current 140 Motor Graders. The optional new High Performance Circle improves drawbar accuracy and performance.

OPTIMIZED FOR THE OPERATOR

The large 10-inch (254 mm) touchscreen main display includes several multi-angle camera options and integrated machine information while the operator station has been redesigned for enhanced visibility all around the cab. The optional adjustable seat with heating and cooling provide even more comfort for the operator.

MAXIMIZED PRODUCTIVITY

Hit grade faster with optional Cat Grade technologies and Attachment Ready Option capabilities on the platform of your choice – joystick control or levers and steering wheel – to accommodate operator preference. The 140 Motor Grader offers expanded capability to easily upgrade attachments.



REAL-TIME INFORMATION FROM CAT EQUIPMENT MANAGEMENT TAKES THE GUESSWORK OUT OF MANAGING YOUR EQUIPMENT

Cat Equipment Management technologies work together to put equipment information at your fingertips. Get real-time access to information on every machine in your fleet on any jobsite – no matter the size of the operation or the brands of equipment you run.



VISIONLINK™

Gather and summarize machine telematics and jobsite data from all your equipment – regardless of the manufacturer.* View actionable information such as idle time, fuel burn, location, total cycles, and more to improve machine efficiency, productivity, and utilization. Access data anywhere via a mobile, tablet, or desktop device – on or off the jobsite.

*Data field availability can vary by equipment manufacturer. VisionLink™ subscription required. Availability may vary by region. Consult your Cat dealer for more details.



CAT REMOTE SERVICES*

A suite of technologies that improve your jobsite efficiency.

- + Remote Troubleshoot allows your Cat dealer to perform diagnostic testing on your connected machine remotely, pinpointing potential issues while the machine is in operation. Remote troubleshooting helps to ensure the technician arrives with the correct parts and tools the first time, eliminating additional trips, to save you time and money.
- + Remote Flash allows you to update onboard software without a technician being present, allowing you to initiate software updates when convenient, increasing your overall operating efficiency.
- + Operator ID requires operators to log in via Passcode or Bluetooth® (Cat Key Fob) at machine startup, helping to deter theft, vandalism, and unauthorized use. It saves settings from the last time an operator was logged in and maintains profiles that were retained during machine software flash updates. Operator IDs are easily managed through the touchscreen and can also be managed remotely and uploaded to the machine through VisionLink.

*Must be within cell range coverage.



CAT INSPECT

Cat Inspect is a mobile application that allows you to easily perform digital preventative maintenance checks, inspections, and daily walkarounds. The app includes machine-specific Preventive Maintenance (PM) checklists to perform service intervals as recommended in the Operation and Maintenance Manual. Inspections can easily be integrated with other Cat data systems like VisionLink, so you can keep a close eye on your fleet.

CAT GRADE ATTACHMENT READY OPTION (ARO)

The Attachment Ready Option (ARO) makes it easier to upgrade your machine. It includes sensor-ready mounts that simplify installing Cat Grade 3D and other grade control technologies. ARO also features a Position Sensing Cylinder (PSC) for moldboard side shift and mounts for laser, sonic, and Universal Total Station (UTS).

CAT GRADE 3D READY

The Cat 140 joystick configuration includes helpful features like 2D Cross Slope Assist and E-fence safety boundaries. It's ready for a Cat 3D Grade upgrade and comes with the necessary antennas and display. To use the full 3D system, you'll need extra radio gear and local licenses. For help with upgrading, contact your Cat dealer.

CAT GRADE WITH CROSS SLOPE ASSIST

Even a 0.5% slope deviation from target can raise material use by 20%. Cat Grade with Cross Slope Assist auto-controls one blade side, which can boost efficiency up to 50% and cut material by up to 40%. E-fence (joystick configuration only) adds safety by stopping motion if the machine moves outside its set limits.

CAT GRADE 3D

Cat Grade 3D uses GNSS to automate blade movement, helping operators grade faster with better accuracy and less effort. The intuitive touchscreen shows the design plan, and controls are built into the joysticks or levers. No stakes or grade checks equal improved safety.



**USE LESS
MATERIAL**

WITH CAT GRADE TECHNOLOGY

MAXIMIZE COMPONENT LIFE

Reduce daily greasing requirements on the optional top adjust circle with the optional Cat Circle Saver. This grease fitting is easy to access and maintain. Always keep your circle drive pinion greased with the Cat Circle Saver for maximum lift.

REDUCE DAMAGE

Keep your machine running smoothly with optional guarding in demanding applications. Guards defend against potential damage while running the machine for your transmission, filter, and front axles.

PRESERVE YOUR MACHINE

Protect your pinion drive and circle teeth from damage with the circle drive slip clutch. The standard slip clutch minimizes damage to machine or obstacles that the moldboard contacts.

SEE YOUR INVESTMENT GO FURTHER
DESIGNED TO LAST





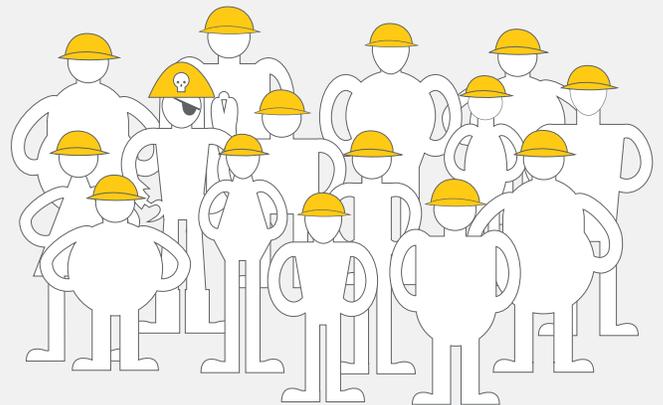
GET COMFORTABLE. BE PRODUCTIVE.

OPTIMIZED FOR THE OPERATOR

Enter a spacious cab that resets the industry-standard for comfort and visibility all around the cab of your motor grader.

- + Redesigned operator station for enhanced visibility
- + 10-inch (254 mm) touchscreen display integrates more options
- + Optional premium air suspension seat includes heating and cooling
- + Choose premium cab options, such as sliding side windows
- + Cab pillars are moved to directly behind the operator for optimal rear cab corner visibility

A CAB **EVERY BODY** CAN LOVE



9 Seat Adjustments*

PLUS MORE SPACE, MORE GLASS AREA, AND MORE STORAGE

add up to customized for all-day productivity

* Premium seat

INTUITIVE CAB DESIGN

The redesigned cab is optimized for the operator by providing filtered HVAC systems – comforts such as cup holder, cell phone holder, Bluetooth® compatibility, and ample storage space.

VISIBILITY WHERE YOU NEED IT

See more ground during operation with large cab windows and even more with optional cameras for views all around the cab, giving you that extra line of sight and control of material movement.

CENTRALIZED SERVICE ACCESS POINT

Save time on daily checks with ground-level grouped filters. The engine compartment doors swing wide and some are removable to access service points easily.

REDESIGNED CHASSIS

New rear chassis features an integrated tag link and modular design to enhance load absorption during ripping and scarifying operations.

EASY-ACCESS FUEL TANK

Return to work faster with ground-level fueling. The fuel tank is integrated into the front chassis for improved tank protection and better center of gravity.



GRADE TECHNOLOGIES

Customize technologies from factory with many options for grading and managing your fleet to optimize your productivity.

ATTACHMENT READY OPTION

Get more work done in less time utilizing Attachment Ready Option (ARO) for Grade technologies.

GO MASTLESS

Optional 3D Mastless Grade technology eliminates masts in line of sight for a direct view of the moldboard at work.

SAFETY MATTERS

Meet jobsite safety goals through optional cameras, seat belts, and alerts so you can reach safety milestones.

BUILT FOR THE BIG PICTURE

CONTROL.

CLARITY. SAFETY.

With expanded visibility in every direction, smart tech integration, and operator-focused refinements, the redesigned motor grader cab helps crews confidently work smarter and safer, no matter the conditions.



CONTROL

The latest motor grader cab prioritizes visibility and operator control. Floor-to-ceiling glass and a slanted door design help eliminate blind spots near the moldboard, giving operators a clear line of sight to the blade and material flow, which is critical for avoiding cylinder damage and maintaining fuel efficiency.

CLARITY

A slimmer cab B-pillar and split C-post help improve side and rearward visibility, while optional side-sliding windows boost crew communication and airflow without compromising cab integrity.

SAFETY

Synchronized door wipers clear water, snow, and debris in unison and sweep below the operator's sightline, enhancing visibility in any weather. Integrated smart cameras and a bird's-eye view of the in-cab display provide a comprehensive view of the machine and task at hand.

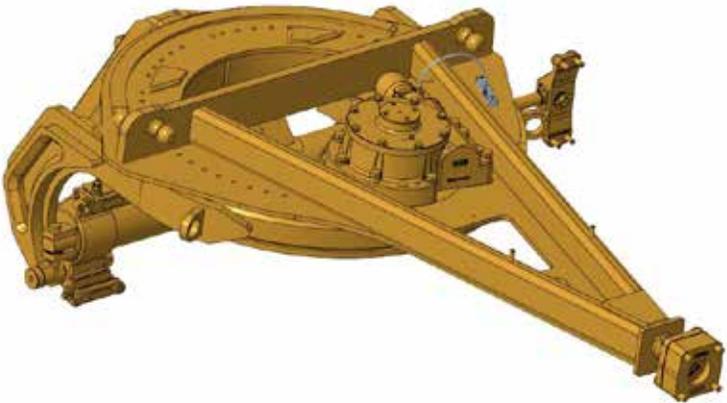


Keep your drawbar circle moldboard tight for grade precision throughout the motor grader's life. Durable structures with drawbar circle moldboard adjustments save you service time with replaceable wear inserts with standard or top adjust options.

HIGH PERFORMANCE CIRCLE

The optional High Performance Circle (HPC) for the Cat 140 Motor Grader improves machine performance, efficiency, and uptime availability.

- + The HPC reduces total cost of ownership for the drawbar circle moldboard and downtime.
- + The HPC helps to eliminate hours of monthly planned maintenance for frequent inspection, wear strip replacement, and circle shoe adjustments associated with conventional circles.

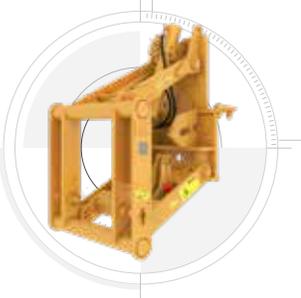


INCREASE YOUR PRODUCTIVITY AND PROFIT

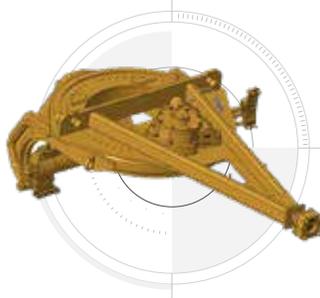
CAT ATTACHMENTS

You can easily expand the performance of your machine by utilizing the variety of Cat attachments available for motor graders. Each Cat attachment is designed to fit the weight and horsepower of your machine for improved performance, safety, and stability.

LIFT GROUPS



HIGH PERFORMANCE CIRCLE



COUNTERWEIGHT



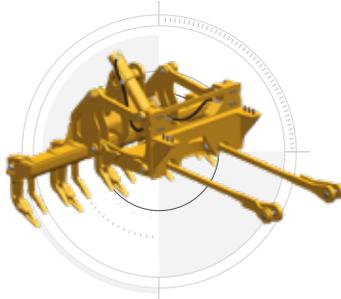
PUSHBLOCK



MID-MACHINE SCARIFIER



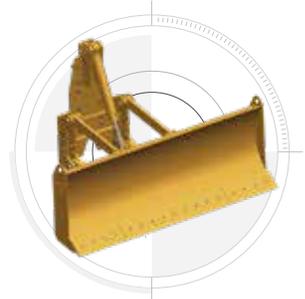
REAR RIPPER/SCARIFIER



MOLDBOARDS



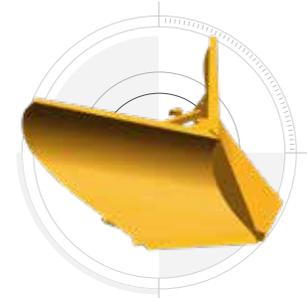
FRONT BLADE



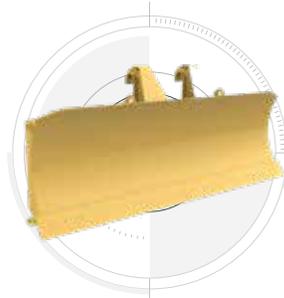
SNOW WINGS



V-PLOW



STRAIGHT PLOW



BROOMS



MORE THAN CUSTOMER VALUE AGREEMENTS

BUILT AROUND YOUR SUCCESS

When you buy Cat equipment, you get so much more than the machine. You also get the support of a best-in-class dealer network, backed by a range of flexible solutions, technology, tools, and more.



CUSTOMER VALUE AGREEMENTS

A Customer Value Agreement (CVA) from your Cat dealer helps you do more and worry less. A CVA simplifies machine ownership and maintenance, adds the security of expert dealer support and gives you peace of mind from effective equipment health management.

REPAIR OPTIONS

A broad range of repair options give you choices that work with your needs, budget, and timeline. Every repair is performed by expert Cat technicians. You'll receive smart repair advice, a timely, accurate quote, and service that gets your machine back into action quickly.

GENUINE CAT PARTS

Genuine Cat parts deliver the highest level of reliability and productivity. Order direct from your Cat dealer or shop online at parts.cat.com.

FINANCIAL SERVICES

Count on Cat Financial to provide the best finance and extended protection solutions for your business. For more than 30 years, we have helped our customers succeed through financial service excellence. Services to help you save time, save money, and get back on the job.

GET BACK TO WORK

Services to help you save time, save money, and get back on the job.

CAT INSPECT

Access your equipment data on your mobile device. This easy-to-use app lets you capture inspection data and integrates with your other Cat data systems, so you can keep a close eye on your fleet.

HYDRAULICS AND HOSE

Whether you choose new, Cat Reman, exchange, or rebuilt hydraulic components, you'll get expert diagnostics, testing, and contamination control. Cat Hose Service offers hoses and couplings for most makes and models.

CERTIFIED REBUILD

Get a full second machine life at a fraction of the cost of buying new. With upgraded features, safety enhancements, and the latest technologies, your old machine will perform even better than it did when it rolled off the line.

TECHNICAL SPECIFICATIONS

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

POWERTRAIN		
Engine Model	Cat® C7.1	
Emissions	Brazil MAR-1 emission standards, equivalent to U.S. EPA Tier 3 and EU Stage IIIA	
Net Engine Power Range	94-174 kW	126-233 hp
Net Engine Power Range (AWD)	98-194 kW	131-260 hp
Displacement	7.01 L	1.9 gal
Bore	105 mm	4.1 in
Stroke	135 mm	5.3 in
Torque Rise	29%	
Torque Rise (AWD)	28%	
Maximum Torque	1070 N·m	789.2 lbf·ft
Maximum Torque (AWD On)	1159 N·m	854.9 lbf·ft
Speed @ Rated Power	2,000 rpm	
Number of Cylinders	6	
Derating Altitude	4500 m	14,764 ft
Derating Altitude (AWD)	3000 m	9,843 ft
<ul style="list-style-type: none"> • Advertised power is tested per the specified standard in effect at the time of manufacture. • Net power is tested per ISO 9249, SAE J1349, and 80/1269/EEC standards. • Net power advertised is the power available at the flywheel when the engine is equipped with fan at minimum speed, air intake system, exhaust system, and alternator. • The air conditioning system on this machine contains the fluorinated greenhouse gas refrigerant R134a or R1234yf. See the label or instruction manual for identification of the gas. <ul style="list-style-type: none"> – If equipped with R134a (Global Warming Potential = 1430), the system contains 1.8 kg (4.0 lb) of refrigerant which has a CO₂ equivalent of 2.574 metric tonnes (2.837 tons). 		

WEIGHT		
Weight – Lever Configuration, Tandem (Non-AWD)	18 748 kg	41,332 lb
Weight – Joystick Configuration, Tandem (Non-AWD)	19 040 kg	41,976 lb
Weight – Joystick Configuration, AWD	19 516 kg	43,025 lb
<ul style="list-style-type: none"> • Typically equipped operating weight is calculated with push block, transmission guard, rear ripper/scarifier, 14.0R24 tires with multi-piece (MP) rims, and other equipment. 		

SERVICE REFILL CAPACITIES		
Standard Circle Drive	7 L	1.8 gal
High Performance Circle Drive	9.5 L	2.5 gal
Cooling System	43 L	11.4 gal
Diesel Exhaust Fluid Tank	25 L	6.6 gal
Engine Crankcase	20 L	5.3 gal
Fuel Tank	371 L	98.0 gal
Hydraulic System	60 L	15.9 gal
Tandem Housing (each)	70 L	18.5 gal
Transmission and Differential	68 L	18.0 gal

MOLDBOARD		
Width	3.7 mm	12.1 ft
Height	610 mm	24.0 in
End Bit	152 mm	6.0 in
Cutting Edge	152 mm	6.0 in
Arc Radius	417 mm	16.4 in
Throat Clearance	112 mm	4.4 in

BLADE RANGE		
Circle Center Shift Cylinder		
Right	728 mm	28.7 in
Left	752 mm	29.6 in
Moldboard Side Shift Cylinder		
Right	526 mm	20.7 in
Left	649 mm	25.6 in
Blade Tip Cylinder		
Maximum Forward	40°	
Maximum Backward	5°	
Maximum Shoulder Reach Outside of Tires		
Right	1812 mm	71.3 in
Left	1886 mm	74.3 in

DIMENSIONS		
Length of Machine*	10 297 mm	405.4 in
Maximum Height – with Attachments (LVR Configuration)	3476 mm	136.9 in
Maximum Height – with Attachments (Joystick Configuration)	3450 mm	135.8 in
Width		
Outside Front Tires (LVR Configuration, Tandem - Non-AWD)	2521 mm	99.3 in
Outside Front Tires (Joystick Configuration, Tandem - Non-AWD)	2583 mm	101.7 in
Outside Front Tires (Joystick Configuration, AWD)	2667 mm	105.0 in

*Typically equipped with push block and ripper.

STANDARD AND OPTIONAL EQUIPMENT

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

OPERATOR ENVIRONMENT	STANDARD	OPTIONAL
Seat, vinyl	●	
Seat belt	●	
Seat, air suspension		●
Seat, mechanical suspension		●
Seat, premium heated and ventilated		●
Wipers, front	●	
Wipers, lower front		●
Wipers, rear		●
Screen, rear sun shade	●	
Screen, rear window		●
Cab, base	●	
Cab, Plus		●
Differential lock, manual	●	
Electric throttle control	●	
Cellphone holder	●	
Coat hook	●	
Cup holder	●	
Mirrors, B-Pillar	●	
Lights, dome interior	●	
Heaters, auxiliary	●	
Fans, defrost		●
Heating/cooling cab system	●	
Radio ready		●
AM/FM, Bluetooth®, Weatherband		●
CB radio with converter		●
Satellite radio		●
SAFETY	STANDARD	OPTIONAL
Back-up alarm	●	
Grab rails	●	
Hydraulic brakes	●	
Hydraulic system - integrated dead engine implement lower	●	
Hydraulic system - integrated work port pressure relief	●	
Manual lock out		●
Operator Presence System		●
Parking brake	●	
Cameras		●
Rearview mirror	●	
Secondary steering system		●
Side view mirrors		●
Signaling/warning horn		●
Drawbar toolbox		●
Warning beacon mounts		●
Integrated hazard lights		●
Sound suppression		●
TECHNOLOGY	STANDARD	OPTIONAL
Attachment Ready Option (ARO)		●
Cat® Grade 3D		●
Cross Slope Assist		●
RTK corrections radio for Cat Grade with 3D Mastless		●
Stable Blade		●
VisionLink™		●
Digital blade slope meter		●

POWERTRAIN	STANDARD	OPTIONAL
Cat® C7.1	●	
Eco mode	●	
Reversing fan		●
43° C (109° F) standard capacity	●	
Transmission with autoshift		●
High-speed engine oil drain		●
Ecology drain	●	
Cold weather package		●
Cold weather package plus		●
Engine idle shutdown	●	
Shifter with upshift/downshift rocker	●	
All-Wheel Drive (AWD)		●
DRAWBAR CIRCLE MOLDBOARD	STANDARD	OPTIONAL
Drawbar, circle, moldboard - Bottom Adjust	●	
Drawbar, circle, moldboard - Top Adjust		●
Drawbar, circle, moldboard - High		●
Performance Circle		●
Circle drive slip clutch		●
Circle saver		●
Blade lift accumulators		●
12 foot moldboard	●	
14 foot moldboard		●
ELECTRICAL	STANDARD	OPTIONAL
Reversing lights	●	
900 CCA standard duty batteries	●	
1,125 CCA heavy duty batteries		●
Rear lights with LED lighting	●	
Drop down rear lights and turn signals	●	
SERVICE AND MAINTENANCE	STANDARD	OPTIONAL
Ground-level fuel fill	●	
Grouped location for engine oil and fuel filters	●	
Extended life coolant	●	
Next generation fluid filters	●	
Engine service light		●
ATTACHMENTS	STANDARD	OPTIONAL
Lift groups		●
Counterweight		●
Push block		●
Mid-machine scarifier (MMS)		●
Rear ripper/scarifier		●
Moldboards		●
Front blade		●
Snow wing		●
V-plow		●
Straight plow		●
Brooms		●
One-way plow		●
Angling plow		●
U-V plow		●
Trip edge plow		●
Tow hitch		●
Grader Bit2 on 14 ft moldboard		●



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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Materials and specifications are subject to change without notice. Featured machines in photos may include additional equipment. See your Cat dealer for available options.

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AEXQ4584-00 (11-2025)
Build Number: 16A
(Aus-NZ, S Am, Afr-ME,
China, Taiwan, Indonesia,
India, SE Asia)

