



Cat[®] 140

Motor Grader

The Cat[®] 140 motor grader is a mid-size machine ideal for road maintenance and road construction. It delivers the right balance of power, control, and blade reach for grading, crowning, and ditching on gravel, rural, and secondary roads.

Operator-First Design

- The redesigned operator station resets the industry standard for comfort and visibility.
- The touchscreen display integrates more options.
- Optional premium air suspension seat includes heating and cooling for operator comfort.
- Cab pillars are moved to directly behind the operator for optimal rear cab corner visibility.

Safety Matters

- Meet jobsite safety goals through optional cameras, seat belts, and alerts so you can reach safety milestones.
- Expanded visibility is available in every direction, helping crews work smarter and safer.
- 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 views provide a comprehensive view of the machine and surroundings.

Enhance Quality and Productivity with Technology

- Integrate available technologies from factory with options for grading and managing your fleet to optimize your productivity.
- Go mastless with the optional 3D Mastless Cat Grade technology that eliminates masts in line of sight for a direct view of the moldboard at work.
- Get real-time information from Cat equipment management options such as VisionLink[™], Cat Remove Services, and Cat Inspect.
- 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%.
- New 9-speed transmission with additional finish gear gives a smooth operation in final passes and curbs.



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Choices

- Make your circle do the work. Lever configurations come with the standard bottom-adjust circle, while joystick configurations come with standard top-adjust circle. Upgrade to the High Performance Circle to eliminate hours of planned maintenance and downtime.
- The Next Generation 140 motor grader offers lever and steering wheel configuration or joystick configuration to match operator preference.
- Choose standard or all-wheel drive (AWD) powertrain.
- Increase your productivity and profit with Cat attachments designed to fit the 140 motor grader for improved performance, safety, and stability.

Engineered for Uptime

- Save time on daily checks with ground-level grouped filters.
- Engine compartment doors swing wide, and side doors are removable to access service points.
- 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.
- Get more work done in less time utilizing Attachment Ready Option (ARO) for Grade technologies.

Standard and Optional Equipment

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

	Standard	Optional		Standard	Optional
OPERATOR ENVIRONMENT			POWERTRAIN		
Seat belt	✓		Cat® C7.1	✓	
Seat belt w/ indicator		✓	Eco mode	✓	
Seat, air suspension	✓		Transmission with autoshift		✓
Seat, premium heated and ventilated		✓	High-speed engine oil drain		✓
Wipers, front	✓		Ecology drain	✓	
Wipers, rear		✓	Cold weather packages		✓
Screen, rear sun shade		✓	Engine idle shutdown	✓	
Cellphone holder	✓		All-Wheel Drive (AWD)		✓
Cup holder	✓		SAFETY		
Cab storage	✓		Back-up alarm	✓	
Lights, dome interior	✓		Cameras		✓
Rollover protective structure (ROPS)/falling objects protective structure (FOPS)	✓		Grab rails and tandem walkways	✓	
Fans, defrost		✓	Hydraulic brakes	✓	
Heating/cooling cab system	✓		Manual lock out (LVR)		✓
Radio ready	✓		Parking brake	✓	
AM/FM, Bluetooth®, Weatherband		✓	Rearview mirror	✓	
CB radio with converter		✓	Side view mirrors		✓
Satellite radio		✓	Signaling/warning horn	✓	
TECHNOLOGY			Integrated hazard lights		✓
Digital blade slope meter	✓		ATTACHMENTS		
Attachment Ready Option (ARO)	✓		Lift groups		✓
Cross Slope Assist (2D) (JOY)	✓		Counterweight		✓
Cross Slope Assist (2D) (LVR)		✓	Push block		✓
Cat Grade 3D Ready w/Mastless (JOY)		✓	Mid-machine scarifier		✓
Cat Grade 3D Mastless		✓	Rear ripper/scarifier		✓
Rear Vision		✓	Front blade		✓
Front Vision		✓	Snow wing		✓
Surrounding Vision (360°)		✓	Plows		✓
Surrounding Vision (360°) w/People Detect		✓	Tow hitch		✓
Stable Blade (JOY)	✓		Grader Bit2 on 14 ft moldboard		✓
Stable Blade (LVR)		✓			
VisionLink™		✓			
Security System		✓			
SERVICE AND MAINTENANCE					
Ground-level fuel fill	✓				
Grouped location for filters	✓				
Extended life coolant	✓				
Next generation fluid filters	✓				
Engine service light	✓				

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Technical Specifications

Powertrain

Engine Model	Cat® C7.1	
Emissions	Meets U.S. EPA Tier 4 Final, EU Stage V, Japan 2014 emission standards	
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	427.8 in ³
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

• 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 EEC 80/1269 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.

Weights

Weight – Lever Configuration, Tandem (Non-AWD)	19 127 kg	42,168 lb
Weight – Lever Configuration, AWD	19 631 kg	43,279 lb
Weight – Joystick Configuration, Tandem (Non-AWD)	19 297 kg	42,542 lb
Weight – Joystick Configuration, AWD	19 730 kg	43,497 lb

*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.

Moldboard

Width	3.7 m	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

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

Air Conditioning System

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.

– 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).



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

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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