

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.
- Air suspension seat with optional leather trim, heating and cooling for operator comfort.
- Cab "C" 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.
- Optional 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.

CAT®

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 optional Attachment Ready Option (ARO) on lever configurations and ARO with Cross Slope Assist on joystick configurations. E-fence prevents machine damage.

Standard and Optional Equipment

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

	Standard	Optional
OPERATOR ENVIRONMENT		
Seat belt	✓	
Seat belt w/ indicator		✓
Seat, air suspension	✓	
Seat, premium heated and ventilated		✓
Wipers, front	✓	
Wipers, rear and door		✓
Screen, rear sun shade		✓
Cellphone holder	✓	
Cup holder	✓	
Cab storage	✓	
Lights, dome interior	✓	
Rollover protective structure (ROPS)/falling objects protective structure (FOPS)	✓	
Fans, defrost		✓
Heating/cooling cab system	✓	
Radio ready	✓	
AM/FM, Bluetooth®, Weatherband		✓
CB radio with converter		✓
Satellite radio		✓
TECHNOLOGY		
Digital blade slope meter (JOY)	✓	
Digital blade slope meter (LVR)		✓
Attachment Ready Option (ARO) (JOY)	✓	
ARO (LVR)		✓
Cross Slope Assist (2D) (JOY)	✓	
Cross Slope Assist (2D) (LVR)		✓
Cat Grade 3D Ready w/Mastless (JOY)		✓
Cat Grade 3D Mastless		✓
Rear Vision		✓
Front Vision		✓
Surrounding Vision (360°)		✓
Surrounding Vision (360°) w/People Detection		✓
Stable Blade		✓
VisionLink™		✓
Security System	✓	
SERVICE AND MAINTENANCE		
Ground-level fuel fill	✓	
Grouped location for filters	✓	
Extended life coolant	✓	
Next generation fluid filters	✓	
Engine service light	✓	
Service light		✓

	Standard	Optional
POWERTRAIN		
Cat® C7.1	✓	
Eco mode	✓	
Transmission with autoshift		✓
High-speed engine oil drain		✓
Ecology drain	✓	
Cold weather packages		✓
Engine idle shutdown	✓	
All-Wheel Drive (AWD)		✓
SAFETY		
Back-up alarm	✓	
Cameras		✓
Grab rails and tandem walkways	✓	
Hydraulic brakes	✓	
Hydraulic lockout (LVR)		✓
Parking brake	✓	
Rearview mirror	✓	
Side view mirrors		✓
Signaling/warning horn	✓	
Integrated hazard lights		✓
ATTACHMENTS		
Lift groups		✓
Counterweight		✓
Push block		✓
Mid-machine scarifier		✓
Rear ripper/scarifier		✓
Front blade		✓
Snow wing		✓
Plows		✓
Tow hitch		✓
Grader Bit2 on 14 ft moldboard		✓

Cat® 140 Motor Grader

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	103-169 kW	138-227 hp
Net Engine Power Range (AWD)	108-190 kW	145-255 hp
Displacement	7.01 L	427.8 in^3
Bore	105 mm	4.1 in
Stroke	135 mm	5.3 in
Torque Rise	26%	
Torque Rise (AWD)	23%	
Maximum Torque	1080 N·m	797 lbf-ft
Maximum Torque (AWD)	1183 N·m	873 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.

Moldboard

Height (Cutting Edges + Moldboard)	556 mm	21.9 in
Width (Cutting Edges + Moldboard)	3658 mm	144.0 in
Thickness	22 mm	0.9 in
Arc Radius	413 mm	16.3 in
Throat Clearance, Non-HPC	119 mm	4.7 in

Weights

Base Weight – Lever Configuration, Non-AWD	17 005 kg	37,490 lb
Base Weight – Lever Configuration, AWD	19 027 kg	41,947 lb
Base Weight – Joystick Configuration, Non-AWD	17 171 kg	37,856 lb
Base Weight – Joystick Configuration, AWD	18 099 kg	39,901 lb
Typically Equipped Weight* – Lever Configuration, Non-AWD	19 027 kg	41,947 lb
Typically Equipped Weight* – Lever Configuration, AWD	19 531 kg	43,058 lb
Typically Equipped Weight* – Joystick Configuration, Non-AWD	19 197 kg	42,322 lb
Typically Equipped Weight* – Joystick Configuration, AWD	19 629 kg	43,275 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.

Service Refill Capacities

Standard Circle Drive	7 L	1.8 gal
High Performance Circle Drive	9.5 L	2.5 gal
Cooling System	54 L	14.3 gal
Diesel Exhaust Fluid Tank	17 L	4.5 gal
Engine Crankcase	20 L	5.3 gal
Fuel Tank	371 L	98.0 gal
Hydraulic System	123 L	32.5 gal
Tandem Housing (each)	70 L	18.5 gal
Transmisson and Differential	60 L	15.9 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 CO_2 equivalent of 2.574 metric tonnes (2.837 tons).



オフロード法２０１４年
基準適合

AEXQ4628-01 (05-2026)
Build Number 16A
(N Am, Europe, Colombia, Chile, Japan, South Korea, Aus-NZ, Japan)

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.

© 2026 Caterpillar. All Rights Reserved. CAT, CATERPILLAR, LET'S DO THE WORK, VisionLink, their respective logos, "Caterpillar Corporate Yellow," the "Power Edge" and Cat "Modern Hex" trade dress as well as corporate and product identity used herein, are trademarks of Caterpillar and may not be used without permission.