



Cat[®] 160

Motor Grader

Conquer the toughest roads with confidence. Powered to grade any terrain, the Cat[®] 160 motor grader transforms rugged landscapes into smooth, controlled paths – no matter how steep, soft, or stubborn the ground. When productivity matters and every pass counts, this is the performance that puts you ahead.

Powerful Performance

- Cut through the toughest road conditions with consistent power to the ground.
- Achieve stronger power to the ground with an engine built for consistent, reliable, and constant net power – no matter the conditions.
- Optional 16-foot moldboard clears a larger area per pass, accelerating job completion.

Optimized for the Operator

- Fully redesigned cab with improved automatic climate control and seat adjustment options.
- Enjoy superior sightlines with enhanced visibility from the operator station, giving operators a clearer view around the entire cab.
- Optional integrated rear vision, front vision, and 360° cameras show in large main display for increased machine surroundings awareness.

Maximized Productivity

- Cat Grade technologies help hit grade faster.
- Joystick control provides ergonomic and precise steering.
- Expanded versatility to easily upgrade attachments.

Choices

- 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.
- Reduce material usage with the full range of Cat Grade technologies for your motor grader, and reach target grade faster with dependable accuracy.
- Choose standard or all-wheel drive (AWD) powertrain.



Cat® 160 Motor Grader

Standard and Optional Equipment

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

	Standard	Optional		Standard	Optional
OPERATOR ENVIRONMENT			ATTACHMENTS		
Cab storage	✓		Angling plow		✓
CB radio mount bracket with converter		✓	Brooms		✓
Cellphone holder	✓		Counterweight		✓
Cup holder	✓		Front blade, narrow		✓
Heating, ventilation, and air conditioning (HVAC)	✓		Front blade, standard		✓
Lights, dome interior	✓		Lift groups		✓
Radio ready	✓		Mid-machine scarifier (MMS)		✓
AM/FM, Bluetooth®, Weatherband		✓	One-way plow		✓
Satellite radio		✓	Push block		✓
Rollover protective structure (ROPS)/falling objects protective structure (FOPS)	✓		Rear ripper/scarifier		✓
Seat belt	✓		Snow wing		✓
Seat belt w/indicator		✓	Straight plow		✓
Seat, air suspension	✓		Tow hitch		✓
Seat, premium heated and ventilated		✓	Trip edge plow		✓
Wipers, front, door	✓		U-V plow		✓
Wipers, side windows, rear		✓	V-Plow		✓
SAFETY			POWERTRAIN		
Back-up alarm	✓		Cat® C9.3B engine	✓	
Grab rails and tandem walkways	✓		All-wheel drive (AWD)		✓
Hydraulic brakes	✓		Cold weather package		✓
Lockout, hydraulic	✓		Cold weather package plus		✓
Mirror, rearview	✓		Eco mode	✓	
Mirrors, B-post		✓	Ecology drain	✓	
Mirrors, side view		✓	Engine idle shutdown	✓	
Signaling/warning horn	✓		High-speed engine oil drain		✓
			Reversing fan	✓	
			Transmission with auto shift		✓
			Transmission, 9-speed	✓	

(continued on next page)

Standard and Optional Equipment *(continued)*

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	Standard	Optional		Standard	Optional
DRAWBAR CIRCLE MOLDBOARD			TECHNOLOGY		
Blade lift accumulators		✓	Application Segmentation and Efficiency Coach		✓
Circle drive slip clutch	✓		Attachment Ready Option (ARO)	✓	
Circle, top adjust	✓		Cat Grade 3D Mastless		✓
Circle saver		✓	Cat Grade 3D Ready Plus		✓
High Performance Circle with circle saver		✓	Cat Grade 3D Ready w/Mastless		✓
Moldboard cutting edges		✓	Cross Slope Assist (2D): E-Fence, Autoarticulation, Stable Blade	✓	
Moldboard end bits		✓	Digital blade slope meter	✓	
Moldboard grader bits		✓	Front Vision		✓
Moldboard, 14 foot	✓		Rear Vision		✓
Moldboard, 16 foot		✓	RTK corrections radios for Cat Grade w/3D Mastless		✓
SERVICE AND MAINTENANCE			Security System		✓
Engine service light	✓		Stable Blade	✓	
Extended life coolant	✓		Surround Vision (360°)		✓
Grouped location for engine oil and fuel filters	✓		Surround Vision (360°) w/People Detection		✓
Next generation fluid filters	✓		Tire Pressure Monitoring System (TPMS)		✓
Service doors, barrel-hinged	✓		VisionLink™		✓
Service doors, lower panel toolless removal	✓				

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Technical Specifications

Powertrain

Engine Model	Cat® C9.3	
Emissions	Meets Brazil MAR-1 emission standards, equivalent to U.S. EPA Tier 3 and EU Stage IIIA	
Net Engine Power Range	107-197 kW	143-264 hp
Net Engine Power Range (AWD)	112-209 kW	150-280 hp
Displacement	9.3 L	567.5 in ³
Bore	115 mm	4.5 in
Stroke	149 mm	5.9 in
Torque Rise	42%	
Torque Rise (AWD)	38%	
Maximum Torque	1390 N•m	1,025 lbf-ft
Maximum Torque (AWD On)	1466 N•m	1,081 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 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 (Non-AWD)	19 574 kg	43,152 lb
Weight (AWD)	20 535 kg	45,272 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

Height (Cutting Edges + Moldboard)	587 mm	23.1in
Width (Cutting Edges + Moldboard)	4267 mm	168.0 in
Moldboard Thickness	22 mm	0.9 in
Arc Radius	413 mm	16.3 in
Throat Clearance	119 mm	4.7 in

Service Refill Capacities

Standard Circle Drive	7 L	1.8 gal
High Performance Circle Drive	9.5 L	2.5 gal
Cooling System	50 L	13.2 gal
Engine Crankcase	26 L	6.9 gal
Fuel Tank	160 L	42.3 gal
Hydraulic System	123 L	32.5 gal
Tandem Housing (each)	80 L	21.1 gal
Transmission 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 1.6 kg (3.5 lb) of refrigerant which has a CO₂ equivalent of 2.288 metric tonnes (2.521 tons).



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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AEXQ4702-00 (04-2026)
Build Number 16A
(Afr-ME, Aus-NZ, China,
Eurasia, S Am, SE Asia)

