



Cat[®] 150

Motor Grader

The Cat[®] 150 motor grader delivers serious power for road maintenance, fine grading, and site prep with strong traction and smoother finishes. Now with a lever/steering wheel and joystick steering options, the 150 gives operators precise, comfortable control.

Engineered with You in Mind

- Fully redesigned cab – now equipped with a more powerful HVAC system and new ergonomic seat adjustment options delivering superior comfort.
- Optional integrated rear and front cameras, immersive 360° vision, and smart People Detection technology help you stay aware of your surroundings.
- Enjoy superior sightlines with enhanced visibility from the operator station, giving operators a clearer view around the entire cab.

Built to Work Smarter

- Deliver more confident power to the ground with a more capable engine with consistent, reliable constant net power.
- Enhanced power and upgraded finishing systems produce smoother and more refined surface quality, even in the most demanding conditions.
- Take on angled grading with greater reliability, thanks to heavier operating weight that holds the blade firm and consistent throughout the job.

Made for Maximum Output

- Platform choice of joystick control or levers/steering wheel to accommodate operator preference.
- Optional Cat Grade technologies help hit grade faster.
- Expanded capability to easily upgrade attachments.

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 150 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 150 motor grader for improved performance, safety, and stability.

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Standard and Optional Equipment

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

	Standard	Optional		Standard	Optional
OPERATOR ENVIRONMENT			SERVICE AND MAINTENANCE		
Cab storage	✓		Engine service light	✓	
Cellphone holder	✓		Extended life coolant	✓	
Cup holder	✓		Grouped location for engine oil and fuel filters	✓	
Heating, ventilation, and air conditioning (HVAC)	✓		Next generation fluid filters	✓	
Lights, dome interior	✓		Service doors, barrel-hinged	✓	
Rollover protective structure (ROPS)/falling objects protective structure (FOPS)	✓		Service doors, lower panel toolless removal	✓	
Seat belt	✓		Service light		✓
Seat, air suspension		✓	POWERTRAIN		
Seat, premium heated and ventilated		✓	Cat C9.3	✓	
Wipers, front upper window, door (LVR)	✓		All-wheel drive (AWD)		✓
Wipers, front, door (JOY)	✓		Cold weather package		✓
Wipers, rear (LVR)		✓	Eco mode	✓	
Wipers, side windows, rear		✓	Ecology drain	✓	
AM/FM, Bluetooth®, Weatherband		✓	Engine idle shutdown	✓	
CB radio mount bracket with converter		✓	Transmission, 9-speed	✓	
Satellite radio		✓			
TECHNOLOGY					
Digital blade slope meter		✓			
Attachment Ready Option (ARO) (LVR)		✓			
Cross Slope Assist with ARO	✓				
Cat® Grade 3D		✓			
RTK corrections radio for Cat Grade with 3D Mastless		✓			
VisionLink™		✓			
Stable Blade		✓			
Rear Vision		✓			
Front Vision		✓			
Surround Vision (360°)		✓			
Surround Vision (360°) with People Detection		✓			
Tire pressure monitoring system (TPMS)		✓			

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Standard and Optional Equipment *(continued)*

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	Standard	Optional		Standard	Optional
SAFETY			ATTACHMENTS		
Back-up alarm	✓		Angling plow		✓
Grab rails	✓		Brooms		✓
Hydraulic brakes	✓		Counterweight		✓
Hydraulic system – integrated dead engine implement lower	✓		Front blade		✓
Hydraulic system – integrated work port pressure relief	✓		Lift groups		✓
Lockout, hydraulic		✓	Mid-machine scarifier (MMS)		✓
Mirror, rearview	✓		One-way plow		✓
Mirrors, side view		✓	Push block		✓
Mirrors, B-post		✓	Rear ripper/scarifier		✓
Signaling/warning horn	✓		Snow wing		✓
Steering, secondary	✓		Straight plow		✓
			Tow hitch		✓
			U-V plow		✓
			V-plow		✓
			U-V plow		✓
			V-Plow		✓

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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	99 - 186 kW	133 - 249 hp
Net Engine Power Range (AWD)	104 - 197 kW	139 - 264 hp
Displacement	9.3 L	567.5 in ³
Bore	115 mm	4.5 in
Stroke	149 mm	5.9 in
Torque Rise	38%	
Torque Rise (AWD)	35%	
Maximum Torque	1251 N-m	922.7 lbf-ft
Maximum Torque (AWD On)	1359 N-m	1,002.3 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 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
Throat Clearance	125 mm	4.9 in

Weights

Base Weight – Lever Configuration, Non-AWD	16 989 kg	37,453 lb
Base Weight – Lever Configuration, AWD	17 975 kg	39,629 lb
Base Weight – Joystick Configuration, Non-AWD	17 148 kg	37,806 lb
Base Weight – Joystick Configuration, AWD	18 115 kg	39,938 lb
Typically Equipped Weight – Lever Configuration, Non-AWD	19 189 kg	42,305 lb
Typically Equipped Weight – Lever Configuration, AWD	20 176 kg	44,481 lb
Typically Equipped Weight – Joystick Configuration, Non-AWD	19 196 kg	42,320 lb
Typically Equipped Weight – Joystick Configuration, AWD	20 310 kg	44,776 lb

- Base weight is calculated with full fuel tank, operator, 14.0R24 tires with multi-piece rims, and ROPS cab.
- 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	50 L	13.2 gal
Engine Crankcase	26 L	6.9 gal
Fuel Tank	371 L	98.1 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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