

# Cat® 150

## *Motor Grader*

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

### Engineered with You in Mind

- Fully redesigned cab – now equipped with a quieter, more powerful heating, ventilating, and air-conditioning (HVAC) system and new ergonomic seat adjustment options delivering superior comfort.
- Optional integrated rear and front cameras, immersive 360° vision, and 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

- Achieve stronger power to the ground with an engine built for consistent, reliable, and constant net power – no matter the conditions.
- Take on angled grading with greater reliability, thanks to heavier operating weight that holds the blade firm and consistent throughout the job.
- Enhanced power and upgraded finishing systems produce smoother and more refined surface quality, even in the most demanding conditions.

### Choices

- The Next Generation 150 motor grader offers lever and steering wheel (LVR) configuration or joystick (JOY) 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.
- 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.
- Reduce material usage with the full range of Cat Grade technologies for your motor grader, and reach target grade faster with dependable accuracy.

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## Standard and Optional Equipment

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

| | Standard | Optional |
|---|---|---|
| **OPERATOR ENVIRONMENT** | | |
| Cab storage | ✓ | |
| Cellphone holder | ✓ | |
| Cup holder | ✓ | |
| Heating, ventilation, and air conditioning | ✓ | |
| Lights, dome interior | ✓ | |
| Radio ready (JOY) | ✓ | |
| CB radio mount bracket with converter | | ✓ |
| AM/FM, Bluetooth®, Weatherband | | ✓ |
| Satellite radio | | ✓ |
| Rollover protective structure (ROPS)/falling objects protective structure (FOPS) | ✓ | |
| Screen, rear sun shade | | ✓ |
| Seat belt | ✓ | |
| Seat belt w/indicator | | ✓ |
| Seat, air suspension | ✓ | |
| Seat, premium heated and ventilated | | ✓ |
| Wipers, front upper window, door (LVR) | | ✓ |
| Wipers, front, door (JOY) | ✓ | |
| Wipers, rear (LVR) | | ✓ |
| Wipers, side windows, rear (JOY) | | ✓ |
| **TECHNOLOGY** | | |
| ARO (LVR) | ✓ | |
| Cat Grade 3D Ready Plus (JOY) | | ✓ |
| Cat Grade 3D Ready w/Mastless | | ✓ |
| Cross Slope Assist (2D) (LVR) | | ✓ |
| Cross Slope Assist: E-Fence, Autoarticulation, Cross Slope (2D) (JOY) | ✓ | |
| Digital blade slope meter (LVR) | | ✓ |
| Front Vision | | ✓ |
| Rear Vision | | ✓ |
| Security System | ✓ | |
| Stable Blade | | ✓ |
| Surround Vision (360°) | | ✓ |
| Surround Vision (360°) w/People Detect | | ✓ |
| VisionLink™ | | ✓ |

| | Standard | Optional |
|---|---|---|
| **SERVICE AND MAINTENANCE** | | |
| Engine service light | ✓ | |
| Extended life coolant | ✓ | |
| Ground-level DEF and fuel fill | ✓ | |
| Grouped location for engine oil and fuel filters | ✓ | |
| Next generation fluid filters | ✓ | |
| **POWERTRAIN** | | |
| Cat C9.3 | ✓ | |
| Cold weather package | | ✓ |
| Eco mode | ✓ | |
| Ecology drain | ✓ | |
| Engine idle shutdown | ✓ | |
| High-speed engine oil drain | | ✓ |
| Transmission, 9-speed | ✓ | |

*(continued on next page)*

## Standard and Optional Equipment *(continued)*

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

| | Standard | Optional |
|---|---|---|
| **SAFETY** | | |
| Back-up alarm | ✓ | |
| Signaling/warning horn | ✓ | |
| Grab rails and tandem walkways | ✓ | |
| Hydraulic brakes | ✓ | |
| Lockout, hydraulic | | ✓ |
| Parking brake | ✓ | |
| Mirror, rearview | ✓ | |
| Mirrors, side view | | ✓ |

| | Standard | Optional |
|---|---|---|
| **ATTACHMENTS** | | |
| Angling plow | | ✓ |
| Brooms | | ✓ |
| Counterweight | | ✓ |
| Front blade, narrow | | ✓ |
| Front blade, standard | | ✓ |
| Lift groups | | ✓ |
| Mid-machine scarifier (MMS) | | ✓ |
| One-way plow | | ✓ |
| Push block | | ✓ |
| Rear ripper/scarifier | | ✓ |
| Snow wing | | ✓ |
| Straight plow | | ✓ |
| Tow hitch | | ✓ |
| Trip edge plow | | ✓ |
| U-V plow | | ✓ |
| V-Plow | | ✓ |

# Cat® 150 Motor Grader

## Technical Specifications

| Powertrain | | |
|---|---|---|
| Engine Model | Cat® C9.3B | |
| Emissions | Meets U.S. EPA Tier 4 Final, EU Stage V emission standards | |
| 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 | 2.5 gal |
| 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 | 1,002.2 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 | | |
|---|---|---|
| Base Weight – Lever Configuration, Non-AWD | 19 229 kg | 37,984 lb |
| Base Weight – Lever Configuration, AWD | 18 216 kg | 40,160 lb |
| Base Weight – Joystick Configuration, Non-AWD | 17 474 kg | 38,523 lb |
| Base Weight – Joystick Configuration, AWD | 18 389 kg | 40,541 lb |
| Typically Equipped Weight* – Lever Configuration, Non-AWD | 19 430 kg | 42,836 lb |
| Typically Equipped Weight* – Lever Configuration, AWD | 20 417 kg | 45,012 lb |
| Typically Equipped Weight* – Joystick Configuration, Non-AWD | 19 668 kg | 43,360 lb |
| Typically Equipped Weight* – Joystick Configuration, AWD | 20 588 kg | 45,389 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) | 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 |

| 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 1.6 kg (3.5 lb) of refrigerant which has a $CO_2$ equivalent of 2.288 metric tonnes (2.521 tons).

AEXQ4502-01 (05-2026)
Build Number 16A
(Aus-NZ, Chile, Colombia, Europe, N Am, Türkiye)

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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