



U.S. EPA Tier 4 Final/EU Stage V Engine Power (Non-AWD) Operating Weight (Non-AWD)

94 - 174 kW (126 - 233 hp) 19 127 kg (42,167 lb)

Meets U.S. EPA Tier 4 Final, EU Stage V, Japan 2014 emission standards or Brazil MAR-1, equivalent to U.S. EPA Tier 3/EU Stage IIIA



EXPERIENCE THE POWER IN THE NEXT GEN CAT® 140 MOTOR GRADER

The redesigned 140 offers greater operator comforts and reduced maintenance intervals while helping get to grade faster and with more efficiency.

- + OPTIMIZED FOR THE OPERATOR FOR GREATER VISIBILITY
- + INCREASED UPTIME WITH EXTENDED SERVICE INTERVALS
- + MAXIMIZED PRODUCTIVITY TO HIT GRADE FASTER



CAT® 140

RELIABLE ROAD GRADING WITH ADVANCED TECHNOLOGY

Transform your performance and grading in a redesigned, revolutionized Cat® 140

Motor Grader. Work smart with our decades of refined steering wheel and lever control experience in the comfortable cab. Innovative technologies improve grading accuracy, increase the speed of achieving grade, and help you save on materials. With extended maintenance intervals, the 140

Next Generation Motor Grader sets a new pace for low operating costs, excellent productivity, and essential efficiency.



INCREASED UPTIME

Combining extended service intervals with centralized access points, the 140 Next Gen is designed for longer life and rebuild capabilities compared to current 140 motor graders. The optional new High Performance Circle improves drawbar accuracy and performance.

OPTIMIZED FOR THE OPERATOR

The large 10-inch (254 mm) touchscreen main display includes several multi-angle camera options and integrated machine information while the operator station has been redesigned for enhanced visibility all around the cab. The optional adjustable seat with heating and cooling provide even more comfort for the operator.

MAXIMIZED PRODUCTIVITY

Hit grade faster with optional Cat Grade Technologies. The 140 Motor Grader offers expanded capability to easily upgrade attachments.



REAL-TIME INFORMATION FROM CAT EQUIPMENT MANAGEMENT

TAKES THE GUESSWORK OUT OF MANAGING YOUR EQUIPMENT

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.



VISIONLINK™

Gather and summarize machine telematics and jobsite data from all your equipment – regardless of the manufacturer.* View actionable information such as idle time, fuel burn, location, total cycles, and more to improve machine efficiency, productivity, and utilization.

Access data anywhere via a mobile, tablet, or desktop device – on or off the jobsite.

* Data field availability can vary by equipment manufacturer. VisionLink subscription required. Availability may vary by region. Consult your Cat dealer for more details.



CAT REMOTE SERVICES*

A suite of technologies that improve your jobsite efficiency.

- + Remote Troubleshoot allows your Cat dealer to perform diagnostic testing on your connected machine remotely, pinpointing potential issues while the machine is in operation. Remote troubleshooting helps to ensure the technician arrives with the correct parts and tools the first time, eliminating additional trips, to save you time and money.
- Remote Flash allows you to update onboard software without a technician being present, allowing you to initiate software updates when convenient, increasing your overall operating efficiency.
- Operator ID requires operators to log in via Passcode or Bluetooth® (Cat Key Fob) at machine startup, helping to deter theft, vandalism, and unauthorized use. It saves settings from the last time an operator was logged in and maintains profiles that were retained during machine software flash updates. Operator IDs are easily managed through the touchscreen and can also be managed remotely and uploaded to the machine through Visionlink.

^{*} Must be within cell range coverage.



CAT INSPECT

Cat Inspect is a mobile application that allows you to easily perform digital preventative maintenance checks, inspections, and daily walkarounds. The app includes machine-specific Preventive Maintenance (PM) checklists to perform service intervals as recommended in the Operation and Maintenance Manual. Inspections can easily be integrated with other Cat data systems like VisionLink, so you can keep a close eye on your fleet.

USE LESS MATERIAL

WITH CAT GRADE TECHNOLOGY



CAT GRADE 3D

The Cat Grade 3D control system uses GNSS-guided automated blade movements to help operators get to grade faster with improved accuracy, efficiency, and productivity. This requires fewer operator inputs, reducing fatigue and the number of passes needed.

Cat Grade 3D features an intuitive touchscreen interface that puts the design plan right in front of the operator. Operators simply engage automatic controls, lower the blade, steer to smoothly cut to plan, and raise to disengage; no additional input is required. There's no need for grade checking or stakes to follow, letting you save on labor costs and enhance jobsite safety with fewer people needed on the ground.

CAT GRADE ATTACHMENT READY OPTION (ARO)

The sensor-ready mounts included in the Attachment Ready Option (ARO) help you get the most out of your motor grader, providing plug and play capability. It makes it even easier for you to install Cat Grade 2D or 3D and integrates easily with other grade control systems. ARO includes a moldboard side shift Position Sensing Cylinder (PSC) designed to work with Cat Grade 3D and laser and Universal Total Station (UTS) mounts.

CAT GRADE CROSS SLOPE ASSIST

For every 0.5% deviation from the target slope, material quantities can increase by 20%. Cross Slope helps operators stay on target by automatically controlling one side of the blade, increasing efficiency and productivity up to 50%. This not only allows operators to do more in the same amount of time and reduce the number of passes, but also lowers fuel consumption and reduces material usage by up to 40%.

MAXIMIZE COMPONENT LIFE

Reduce daily greasing requirements on the optional top adjust circle with the optional Cat Circle Saver. This grease fitting is easy to access and maintain. Always keep your circle drive pinion greased with the Cat Circle Saver for maximum lift.

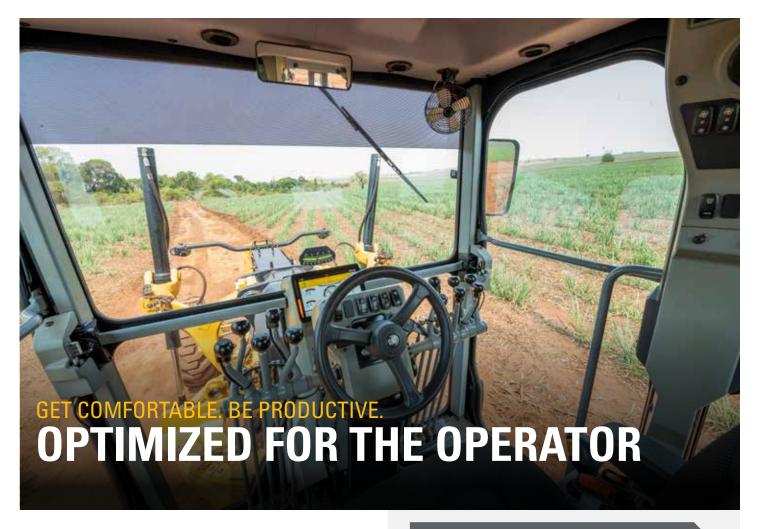
REDUCE DAMAGE

Keep your machine running smoothly with optional guarding in demanding applications. Guards defend against potential damage while running the machine for your transmission, filter, and front axles.

PRESERVE YOUR MACHINE

Protect your pinion drive and circle teeth from damage with the circle drive slip clutch. The standard slip clutch minimizes damage to machine or obstacles that the moldboard contacts.

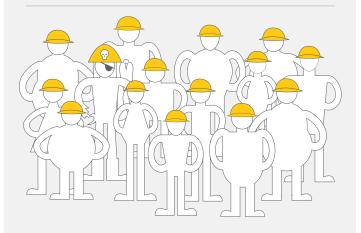




Enter a spacious cab that resets the industry-standard for comfort and visibility all around the cab of your motor grader.

- + Redesigned operator station for enhanced visibility
- + 10-inch (254 mm) touchscreen display integrates more options
- + Optional premium air suspension seat includes heating and cooling
- + Choose premium cab options, such as sliding side windows
- Cab pillars are moved to directly behind the operator for optimal rear cab corner visibility

A CAB EVERY BODY CAN LOVE



9 Seat Adjustments*

PLUS MORE SPACE, MORE GLASS AREA AND MORE STORAGE

add up to customized for all-day productivity

* Premium sea



NEXT GENERATION FILTERS

New filtration system makes changing filters a breeze. The filters inside the cartridge are replaced instead of the entire canister, saving costs.

LONGER SERVICE INTERVALS

Reduce your typical operating expenses with extended engine oil, hydraulic, and transmission filter change cycles. The new filters last longer to keep your motor grader active on the jobsite.

GROUPED LOCATION

Service your machine faster with the filters in a central location. Filters are grouped together for easy access so you can do preventative maintenance quickly and move on to the next task.

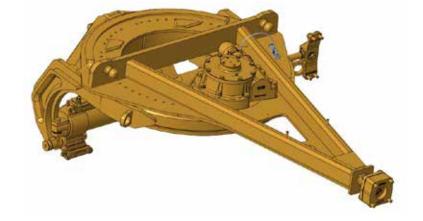


Keep your drawbar circle moldboard tight for grade precision throughout the motor grader's life. Durable structures with drawbar circle moldboard adjustments save you service time with replaceable wear inserts with standard or top adjust options.

HIGH PERFORMANCE CIRCLE

The optional High Performance Circle (HPC) for the Cat 140 Motor Grader improves machine performance, efficiency, and uptime availability.

- The HPC reduces total cost of ownership for the drawbar circle moldboard and downtime.
- + The HPC helps to eliminate hours of monthly planned maintenance for frequent inspection, wear strip replacement, and circle shoe adjustments associated with conventional circles.

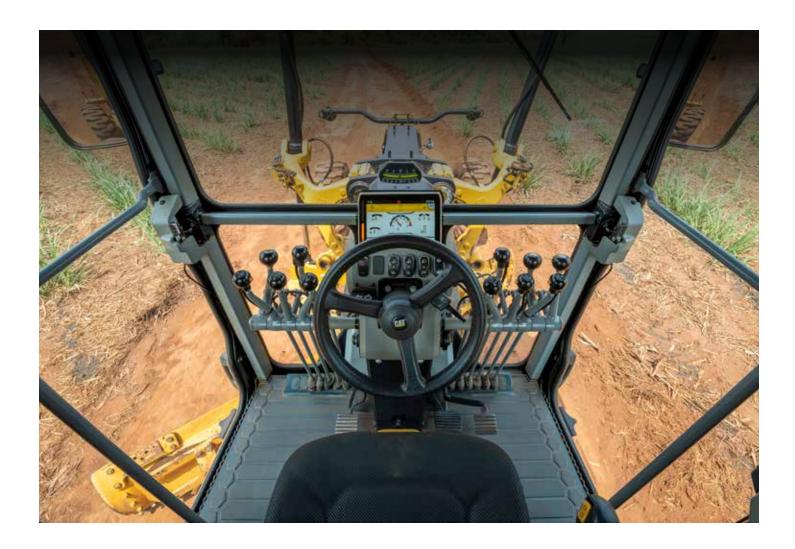






BUILT FOR THE BIG PICTURE CONTROL. CLARITY. SAFETY.

With expanded visibility in every direction, smart tech integration, and operator-focused refinements, the redesigned motor grader cab helps crews confidently work smarter and safer, no matter the conditions.



CONTROL

The latest motor grader cab prioritizes visibility and operator control. Floor-to-ceiling glass and a slanted door design help eliminate blind spots near the moldboard, giving operators a clear line of sight to the blade and material flow, which is critical for avoiding cylinder damage and maintaining fuel efficiency.

CLARITY

A slimmer cab B-pillar and split C-post help improve side and rearward visibility, while optional side-sliding windows boost crew communication and airflow without compromising cab integrity.

SAFETY

Optional synchronized door wipers clear water, snow, and debris in unison and sweep below the operator's sightline, enhancing visibility in any weather. Integrated surround view smart cameras and a bird's-eye view of the in-cab display provide a comprehensive view of the machine and task at hand.

INCREASE YOUR PRODUCTIVITY AND PROFIT

WITH CAT ATTACHMENTS

You can easily expand the performance of your machine by utilizing the variety of Cat attachments available for motor graders. Each Cat attachment is designed to fit the weight and horsepower of your machine for improved performance, safety, and stability.

LIFT GROUPS



HIGH PERFORMANCE CIRCLE



COUNTERWEIGHT



PUSHBLOCK



MID-MACHINE SCARIFIER



REAR RIPPER/SCARIFIER



MOLDBOARDS



FRONT BLADE



SNOW WINGS



V-PLOW



STRAIGHT PLOW



BROOMS



DEMANDING APPLICATIONS REQUIRE THE RIGHT TOOLS

Proper attachments on your motor grader, such as a ripper, blade extensions, and a front blade, enhance its versatility for grading, cutting, and leveling tasks. Ensuring these attachments are securely mounted and well-maintained is essential for safe and efficient operation.



CUSTOMIZE TO THE JOBSITE PRODUCTIVE RESULTS

Cat attachments are built tough to match the durability of Cat machines, delivering unmatched performance in the most demanding environments. Engineered for seamless compatibility, they help you get more done with less downtime — boosting productivity and efficiency wherever your work takes you.



MORE THAN CUSTOMER VALUE AGREEMENTS

BUILT AROUND YOUR SUCCESS

When you buy Cat equipment, you get so much more than the machine. You also get the support of a best-in-class dealer network, backed by a range of flexible solutions, technology, tools, and more.

CUSTOMER VALUE AGREEMENTS

A Customer Value Agreement (CVA) from your Cat dealer helps you do more and worry less. A CVA simplifies machine ownership and maintenance, adds the security of expert dealer support, and gives you peace of mind from effective equipment health management.

REPAIR OPTIONS

A broad range of repair options gives you choices that work with your needs, budget, and timeline. Every repair is performed by expert Cat technicians. You'll receive smart repair advice, a timely, accurate quote, and service that gets your machine back into action quickly.

GENUINE CAT PARTS

Genuine Cat Parts deliver the highest level of reliability and productivity. Order direct from your Cat dealer or shop online at parts.cat.com.

FINANCIAL SERVICES

Count on Cat Financial to provide the best finance and extended protection solutions for your business. For more than 30 years, we have helped our customers succeed through financial service excellence. Services to help you save time, save money, and get back on the job.

GET BACK TO WORK

Services to help you save time, save money, and get back on the job.

CAT INSPECT:

Access your equipment data on your mobile device. This easy-to-use app lets you capture inspection data and integrates with your other Cat data systems, so you can keep a close eye on your fleet.

HYDRAULICS AND HOSE:

Whether you choose new, Cat Reman, exchange, or rebuilt hydraulic components, you'll get expert diagnostics, testing, and contamination control. Cat Hose Service offers hoses and couplings for most makes and models.

CERTIFIED REBUILD:

Get a full second machine life at a fraction of the cost of buying new. With upgraded features, safety enhancements, and the latest technologies, your old machine will perform even better than it did when it rolled off the line.

TECHNICAL SPECIFICATIONS

POWER	TRAIN		
Engine Model	Cat®	C7.1	
Emissions	Meets U.S. EPA Tier 4 Final, EU Stage V, Japan 2014 emission standards or Brazil MAR-1, equivalent to U.S. EPA Tier 3/EU Stage IIIA		
Net Power (Tandem, Non-AWD)			
ISO 9249:2007/SAE J1349	174 kW	233 hp	
Net Power (AWD)			
ISO 9249:2007/SAE J1349	194 kW	250 hp	
Net Engine Power Range (Tandem)			
ISO 9249:2007/SAE J1349	94-174 kW	126-233 hp	
Net Engine Power Range (AWD)			
ISO 9249:2007/SAE J1349	98-194 kW	131-260 hp	
Bore	105 mm	4.1 in	
Stroke	135 mm	5.3 in	
Displacement	7.01 L	1.9 gal	
Torque Rise (Tandem)		1%	
Torque Rise (AWD)	28	3%	
Maximum Torque (Tandem)	1070 N•m	789.2 lbf-ft	
Maximum Torque (AWD)	1159 N•m	854.9 lbf-ft	
Derating Altitude (Tandem)	4500 m	14,764 ft	
Derating Altitude (AWD)	3000 m	9,843 ft	
Rated Speed	2000	rpm	
Number of Cylinders		6	
Idle Speed			
High Idle Speed	2150	rpm	
Low Idle Speed (1F-8F and 1R-6R)		rpm	
Low Idle Speed (Hibernate 7 finish gear)	750	rpm	
Maximum Altitude at Full Power			
Non-AWD	4500 m	14,764 ft	
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 standards in effect at the time of manufacture.
- Net power available at the flywheel when the engine is equipped with fan, air cleaner, aftertreatment, and alternator with engine speed at 2,000 rpm.
- Cat diesel engines are required to use ULSD (ultra-low sulfur diesel fuel with 15 ppm of sulfur or less) and are compatible* with ULSD blended with the following lower-carbon intensity fuels** up to:
- 20% biodiesel FAME (fatty acid methyl ester) ***
- 100% renewable diesel, HVO (hydrotreated vegetable oil) and GTL (gasto-liquid) fuels

Refer to guidelines for successful application. Please consult your Cat dealer or "Caterpillar Machine Fluids Recommendations" (SEBU6250) for details.

- * While Caterpillar engines are compatible with these alternative fuels, some regions may not allow their use.
- ** Tailpipe greenhouse gas emissions from lower-carbon intensity fuels are essentially the same as traditional fuels.
- *** Engines with no aftertreatment devices are compatible with higher blends, up to 100% biodiesel (for use of blends higher than 20% biodiesel, consult your Cat dealer).

OPERATING	MEICUTO			
OPERATING WEIGHTS				
Typically Equipped Machine Weights*				
Tier 4 Final, Stage V				
Weight – Lever Configuration, Tandem (Non-AWD)	19 127 kg	42,167.8 lb		
Front Axle	5425 kg	11,960.1 lb		
Rear Axle	13 702 kg	30,207.7 lb		
Weight – Lever Configuration, AWD	19 631 kg	43,278.9 lb		
Front Axle	5579 kg	12,299.6 lb		
Rear Axle	14 052 kg	30,979.4 lb		
Brazil MAR-1, equivalent to Tier 3 and Stage IIIA				
Weight – Lever Configuration, Tandem (Non-AWD)				
Front Axle	18 748 kg	41,332.3 lb		
Rear Axle	5238 kg	11,547.8 lb		
*Typically equipped operating weight is calculated with full fuel tank, coolant, lubricants, operator, push block, transmission guard, rear ripper/scarifier, 14.0R24 tires on multi-piece 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	43 L	11.4 gal	
Diesel Exhaust Fluid (DEF) 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	
Transmisson and Differential	68 L	18.0 gal	
DIMENSIONS			
Length of Machine*	10 297 mm	405.4 in	
Maximum Height with Attachments	3476 mm	136.9 in	
Width			
Outside Front Tires (Tandem – Non-AWD)	2521 mm	99.3 in	
Outside Front Tires (AWD) *Typically equipped with push block and ripper.	2667 mm	105.0 in	

TECHNICAL SPECIFICATIONS

MOLDBOARD OPTIONS AND DIMENSIONS						
MOLDBOARD (SIZE)	12 Foot Moldboard		14 Foot Moldboard		14 Foot Plus Moldboard	
Height	609.5 mm	24.0 in	609.5 mm	24.0 in	686 mm	27.0 in
Width	3.7 m	12.1 ft	4.3 m	14.1 ft	4.3 m	14.1 ft
Thickness	22 mm	0.9 in	22 mm	0.9 in	25 mm	1.0 in
Arc Radius	413 mm	16.3 in	413 mm	16.3 in	413 mm	16.3 in
Throat Clearance	125 mm	4.9 in	117 mm	4.6 in	83 mm	3.3 in
CUTTING EDGE						
Height	152.4 mm	6.0 in	203.2 mm	8.0 in	203.2 mm	8.0 in
Width	1.8 m	5.9 ft	2.1 m	6.9 ft	2.1 m	6.9 ft
Thickness	15.9 mm	0.6 in	19 mm	0.7 in	19 mm	0.7 in
Width (Cutting Edges and Moldboard)	3.7 m	12.1 ft	4.3 m	14.1 ft	4.3 m	14.1 ft
Height (Cutting Edges and Moldboard)	535.3 mm	21.1 in	563 mm	22.2 in	563 mm	22.2 in
END BIT						
Height	449.2 mm	17.7 in	449.2 mm	17.7 in	511.2 mm	20.1 in
Width	152.4 mm	6.0 in	152.4 mm	6.0 in	235 mm	9.3 in
Thickness	15.9 mm	0.6 in	15.9 mm	0.6 in	12.5 mm	0.5 in
Width (End Bits and Moldboard)	3.7 m	12.1 ft	3.7 m	12.1 ft	4.3 m	14.1 ft
Height (End Bits and Moldboard)	553.6 mm	21.8 in	553.6 mm	21.8 in	577.2 mm	22.7 in

BLADE RANGE				
	Top Adjust		High Performance Circle	
Circle centershift with 14 ft moldboard				
Right	724 mm	28.5 in	724 mm	28.5 in
Left	740 mm	29.1 in	740 mm	29.1 in
Moldboard side shift with 17.5/R25 MX12 tires				
Right	958 mm	37.7 in	958 mm	37.7 in
Left	815 mm	32.1 in	815 mm	32.1 in
Maximum shoulder reach outside tires with 14 ft mole	lboard			
Right	1973 mm	77.7 in	1973 mm	77.7 in
Left	1797 mm	70.7 in	1797 mm	70.7 in
Maximum shoulder reach outside of tires (14 ft moldb	oard)			
Right	2632 mm	103.6 in	2632 mm	103.6 in
Left	2482 mm	97.7 in	2482 mm	97.7 in
Maximum blade position angle, both sides		104°(L)/101.7(R)(Grade	with Cross Slope) 360°	
Maximum lift above ground	436 mm	17.2 in	436 mm	17.2 in
Maximum depth of cut	640 mm	25.2 in	640 mm	25.2 in
Maximum blade tip				
Forward		50°	50°	
Rear		5°	5°	

STANDARD AND OPTIONAL EQUIPMENT

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

САВ	STANDARD	OPTIONAL
"B" pillar mirrors		•
Adjustable steering wheel/lever controls	•	
Air suspension seat		•
AM/FM/Bluetooth®/WB radio	•	
Auxiliary heaters		•
Base cab	•	
Cab storage	•	
CB radio with converter		•
Cell phone holder	•	
Coat hook	•	
Cup holder	•	
Defrost fans		•
Differential lock, manual	•	
Digital blade slope meter		•
Dome interior light	•	
Electric throttle control	•	
Entertainment radio ready	•	
Front wipers	•	
Heated and ventilated premium seat		
Heating/cooling cab system	•	
Information display screen		
Lower front wipers		•
Mechanical suspension seat		•
Rear sun shades		•
Rear wiper		•
Rollover protective structure (ROPS)/falling		
objects protective structure (FOPS)	•	
Satellite radio		•
Seat belt	•	
Vinyl seat	•	
POWERTRAIN	STANDARD	OPTIONAL
Cat® C7.1	•	0
Eco mode	•	
43° C (109° F) standard capacity	•	
All-Wheel Drive (AWD) (N Am, Aus-NZ)		
Cold weather package		•
Cold weather package plus		
Ecology drain		•
Engine idle shutdown		
High-speed engine oil drain	•	_
Reversing fan		•
Shifter with upshift/downshift rocker		
Transmission with autoshift		
iranomodion with autodint		

SAFETY	STANDARD	OPTIONAL
Back-up alarm	•	
Grab rails	•	
Hydraulic brakes	•	
Hydraulic system - integrated dead engine implement lower	•	
Hydraulic system - integrated work port pressure relief	•	
Integrated hazard lights		•
License plate bracket		•
Manual lock out		•
Operator Presence System		•
Operator Presence System (N Am)	•	
Parking brake	•	
Rearview camera		•
Rearview mirror	•	
Secondary steering system		•
Side view mirrors		•
Signaling/warning horn	•	
Tandem toolbox	•	
Tandem walkways	•	
Warning beacon mounts		•
DRAWBAR CIRCLE MOLDBOARD	STANDARD	OPTIONAL
12 ft moldboard	•	
Standard drawbar circle moldboard	•	
14 ft moldboard		•
Blade lift accumulators		•
Circle drive slip clutch	•	
Circle saver (available for top adjust)		•
High Performance Circle		•

STANDARD AND OPTIONAL EQUIPMENT

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

TIRES	STANDARD	OPTIONAL
L3 tires		•
14.0R24		•
14-24		•
17.5-25		•
17.5R25		•
550/65R25		•
ATTACHMENTS AVAILABLE FROM FACTORY	STANDARD	OPTIONAL
Counterweight		•
Front blade		•
Grader Bits on 14 ft moldboard		•
Lift groups		•
Mid-machine scarifier (MMS)		•
Moldboards		•
Push block		•
Rear ripper/scarifier		•
ATTACHMENTS	STANDARD	OPTIONAL
Angling plow		•
Brooms		•
Counterweight		•
Front blade		•
Lift groups		•
Mid-machine scarifier (MMS)		•
Moldboards		•
One-way plow		•
Push block		•
Rear ripper/scarifier		•
Snow wings		•
Straight plow		•
Trip edge plow		•
UV plow		•
V-Plow		•
TECHNOLOGY	STANDARD	OPTIONAL
Cat® Grade 3D mastless		•
Cat Grade Cross Slope Assist		•
Cat Grade ARO		•
Digital Blade Slope Meter		•
RTK corrections radio for Cat Grade 3D		•
Stable blade		•
VisionLink™		•

FLECTRICAL	CTANDADD	OPTIONAL
ELECTRICAL	STANDARD	OPTIONAL
900 CCA standard duty batteries	•	
1,125 CCA heavy duty batteries (T4F only)		•
1,400 CCA heavy duty batteries (T4F only)		•
Breaker panel	•	
Drop down rear lights and turn signals	•	
LED lights	•	
Low light and high light bars		•
Rear lights with LED lighting	•	
Reversing lights	•	
Snow wing LED lights		•
SERVICE AND MAINTENANCE	STANDARD	OPTIONAL
Engine service light		•
Extended life coolant	•	
Ground-level DEF and fuel fill	•	
Grouped location for engine oil and fuel filters	•	
Next generation fluid filters	•	
Moldboards	•	
GUARDS	STANDARD	OPTIONAL
Cover, under cab platform		•
Debris guard for air intake		•
Fender		•
Front frame guards and covers (standard in North America, optional rest of world)		•
Sound suppression		•
Steering cylinder guards (AWD only)		•
Transmission		•
Window guards		•





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

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