

M322D2

Wheeled Excavator



Engine

Engine Model

Emission Standards

Power (Maximum)

ISO 9249 at 1,700 rpm

ISO 14396 at 2,000 rpm

Cat® C7.1 ACERT™

China Stage III
Nonroad, U.S. EPA
Tier 3/EU Stage IIIA
equivalent emission
standards

122 kW (164 hp)

128.8 kW (173 hp)

Weights

Operating Weight with Work Tool

20 500 kg-22 500 kg

Bucket Specifications

Bucket Capacities

0.44 m³-1.57 m³

Working Ranges

Maximum Reach at Ground Level

10 320 mm

Maximum Digging Depth

6680 mm

Drive

Maximum Travel Speed

25 km/h

Features

Performance

Provides fast cycle times, great lift capacity and high bucket and stick forces. The new engine offers great power and reliability, while optimizing your fuel consumption. This combination maximizes your productivity in any job to maximize your profits.

Serviceability

For increased safety and reduced downtime, all daily maintenance points are accessible from ground level. Centralized greasing systems allow quicker lubrication of several critical points.

Operator Comfort

The operator station maximizes comfort while increasing safety. The available air-suspension seat with heated/cooled cushions improves operator comfort. Safety is enhanced by various integrated features like the color monitor displaying the view from the standard rear-mounted camera.

Versatility

Various undercarriage and front linkage possibilities. See the machine overall performance in different applications, make the most of it thanks to the available optional features and Cat attachments and you'll get the right machine just for your applications' needs.

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Responsible Design

Thinking Generations Ahead

Fuel Efficiency and Low Exhaust Emissions

The Cat C7.1 ACERT engine meets China Stage III Nonroad emission standards, and Tier 3/Stage IIIA equivalent emission standards, while offering optimum performance, high fuel efficiency and reliability. This means more work done in a day, low operating cost and minimal impact on our environment.

Quiet Operation

Low sound levels, as a result of the variable on-demand fan speed and remote cooling system.

Technologies and Longer Service Intervals

Product Link™ allows remote monitoring of the machine and helps improve your fleet efficiency as well as reduce your costs. Your Cat dealer can help extend service intervals, meaning fewer required fluids and disposals, all adding up to lower operating costs.

Fewer Leaks and Spills

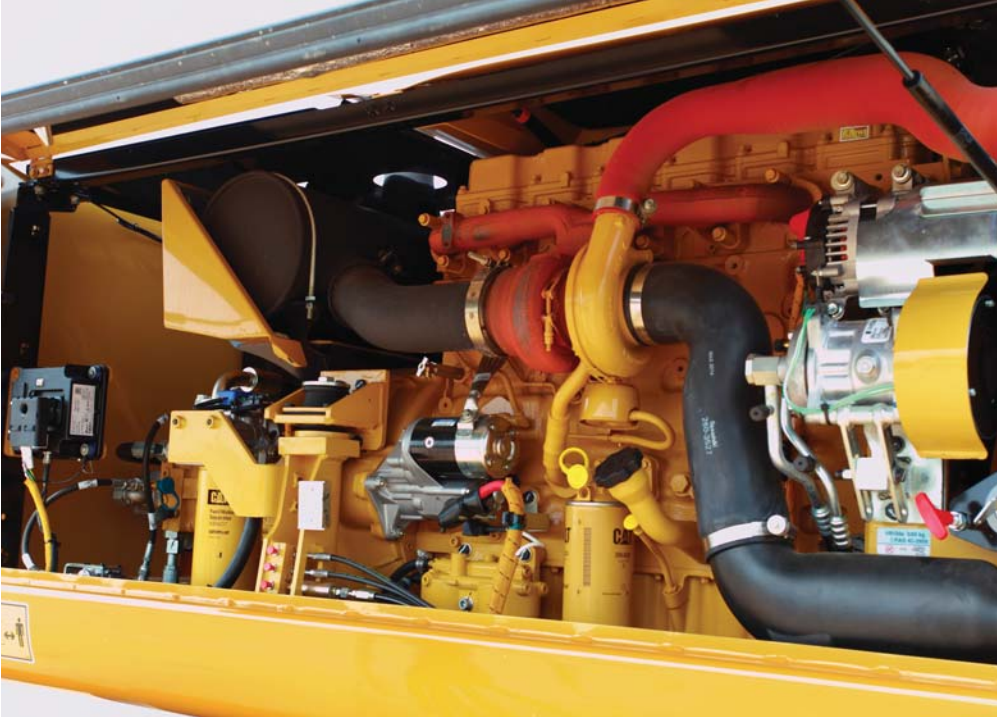
Lubricant filters and various drains are designed to minimize spills. Cat O-Ring Face Seals, Cat XT™-6 ES hoses help prevent leaks that can reduce performance.

Cat Certified Used

This program is a key element in the range of solutions offered by Caterpillar and Cat dealers throughout the world to help customers achieve growth at the lowest cost while eliminating waste. Used equipment is inspected, guaranteed and ready for work and customers will benefit from a Caterpillar warranty.

Engine

Power, Reliability, and Fuel Economy



The Power and Performance You Need

The Cat engine meets China Stage III Nonroad emission standards, and U.S. EPA Tier 3/EU Stage IIIA equivalent emission standards, delivers a maximum net power (Acc. ISO 14396) of 128.8 kW at a rated speed of 2,000 rpm.

On-demand Strategies for Fuel Efficiency

Smart Engines

The engine is electronically controlled and equipped with the Common Rail Fuel System. Smart engines automatically operate at the most efficient operating point depending on the application, to save fuel with no impact on performance.

Demand Fan Cooling System

The electronically controlled hydraulic motor drives a variable speed on-demand fan, resulting in optimized fuel consumption.

One-Touch Low Idle and Automatic Engine Speed Control

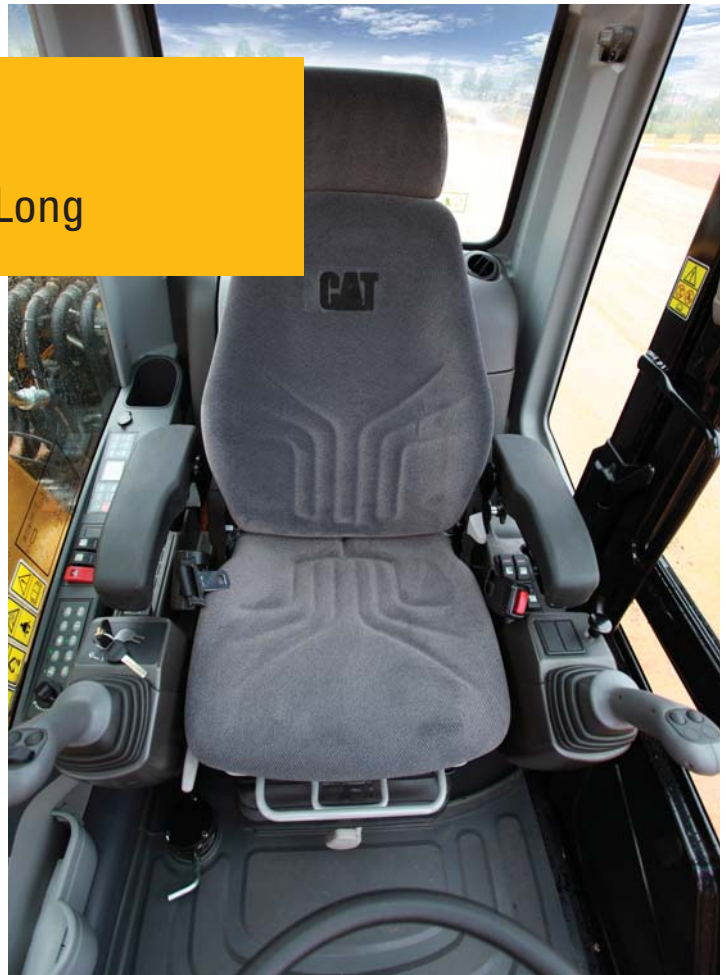
The Automatic Engine Speed Control reduces engine speed if no operation is performed after a pre-set amount of time, reducing fuel consumption and sound levels. The One-Touch Low Idle Control allows you to instantly reduce the engine speed with one touch.

Eco and Work Modes

- The Eco Mode can reduce significantly your fuel consumption while preserving productivity results for most applications.
- The Travel Mode optimizes driveline performance while preserving fuel.
- The Power Mode is the best compromise between productivity and fuel efficiency for heavy load applications.

Premium Comfort

Keeps Operators Productive All Shift Long



Comfortable Seat Options

Both standard and comfort seat options give your operators all the comfort they need for a long day of work. The comfort seat is equipped with a passive seat climate control, air suspension with automatic adjustment to the operator's weight, lumbar support and a seat heater.

Low Vibration/Sound Levels

The rubber-mounted cab includes thick steel tubing. Associated with the comfortable air-suspended seat, it helps reduce vibrations and sound levels.

Comfortable Operation

Two-way pedals for travel and auxiliary circuits provide increased floor space, reducing the need to change positions. The steering column is easily tiltable thanks to a large pedal at its base.

Automatic Climate Control

Easy adjustment of the cab temperature with filtered ventilation to make your operators comfortable in all climates.

Storage Compartments

A large compartment behind the seat provides sufficient room to store a large lunch box or a hard hat. A cover secures the contents during machine operation. Several other dedicated areas can hold large mugs, MP3 players or a cell phone.

Power Supply and MP3 Radio

The cab includes a 12V-7A power supply socket for charging electronic devices such as MP3 players, laptops and cell phones. A CD/MP3 radio is available.



Simplicity and Functionality

For Ease of Operation

Ergonomic Layout and Smart Controls

The operator station is designed for simplicity, functionality and ease of operation. Frequently used switches are centralized on the right-hand switch console. Features like the heavy lift mode, ride control* or SmartBoom™* will not only increase your productivity but also help reduce fatigue for your operators.



Large Color Monitor

Easy to read and in local language, you can rely on the high-resolution LCD monitor, which will keep you aware of any important information. "Quick Access" buttons allow a quick selection of favorite functions. The tool select function lets you preset up to ten different hydraulic attachments for quick tool changes.

Optimized Visibility

All glass is affixed directly to the cab, eliminating the use of window frames. The 70/30 split front windshield stores the upper portion above the operator and is easy to release. A large skylight provides upward visibility and includes a retractable sunshade. The parallel wiper system covers the entire front windshield.

Standard Rearview Camera

Together with the best in class visibility to all sides, the rear view displayed on the monitor helps ensure a safe operation.

*Not available in all territories like Africa, Middle East and Eurasia. Please contact your Cat dealer for details.





Undercarriage

Strength and Versatility on Wheels

High Travel Speed (Maximum 37 km/h)

Reduces travel time between sites.

Stabilizers and Dozer Blade – Versatile Solutions to Do It All.

Various undercarriage configurations are available to provide the best solution for your work environment including dozer blades and/or outriggers. Outriggers can be individually controlled to horizontally stabilize the machine even on slight slopes.

Smart Travel Alarm (Adjustable)

The alarm sounds when the machine starts moving. The Auto Mode stops the alarm when it has been sounding for an uninterrupted 10-second interval. It can also be disabled (optional).



Heavy Duty Axles

Rigidity and long life with effective transmission protection and heavy-duty axles. The transmission is mounted directly on the rear axle for protection and optimum ground clearance. The front axle offers wide oscillating and steering angles.

Advanced Disc Brake System

Minimizes the rocking effect when working free on wheels. The disc brake system acts directly on the hub instead of the drive shaft to avoid planetary gear backlash. The axle design lowers life costs. Oil change intervals can be up to 2,000 working hours depending on the machine usage.



Hydraulics

Fast Cycle Times, Heavy Lift Capacity

Dedicated Swing Pump

This closed hydraulic circuit being dedicated to the swing only, maximizes swing performance without reducing power to the other hydraulic functions, resulting in smoother combined movements.

Proportional Auxiliary Hydraulics, Tremendous Versatility

The versatility of the hydraulic system can be expanded to utilize a wide variety of hydraulic work tools. Basic controls include (optional):

- The Multi-Combined Valve allows the operator to select up to ten preset work tools from the monitor.
- A medium pressure function providing proportional flow, ideal for tilting buckets or rotating tools.
- A hammer circuit (one-way high pressure).
- A dedicated circuit to operate hydraulic quick couplers.

Heavy Lift Mode

Maximizes your lifting performance by boosting the lifting capacity of the machine up to 7%.

Adjustable Swing Aggressiveness

Allows you to adjust the aggressiveness of the machine swing to match the operator's preferences.

Stick Regeneration Circuit

Increases efficiency and helps enhance controllability for higher productivity.

Booms and Sticks

Maximum Flexibility – High Productivity

Rugged Performance

Booms and sticks are welded, box section structures with thick, multiplate fabrications in high stress areas for the tough work you do.

Flexibility

The choice of various booms and sticks provides the right balance of reach and digging forces for all applications.

Sticks

- **Short stick (2200 mm)** for maximum breakout force and lifting capability
- **Medium stick (2500 mm)** for greater crowd force and lift capacity
- **Long stick (2800 mm)** for greater depth and reach

Booms

- **Variable Adjustable (VA)** – improved right side visibility and roading balance. When working in tight quarters or lifting heavy loads, the VA boom offers the best flexibility.
- **One-Piece Boom** – Fits best for all standard applications such as truck loading and digging. A unique straight section in the curve of the side plate reduces stress flow and helps increase boom life.



Smart Technologies

Boosting Up Productivity

SmartBoom*

Reduces Stress and Vibration.

Rock Scraping

Scraping rock and finishing work is easy and fast. SmartBoom simplifies the task and allows more focus on stick and bucket, while the boom freely goes up and down without using pump flow.

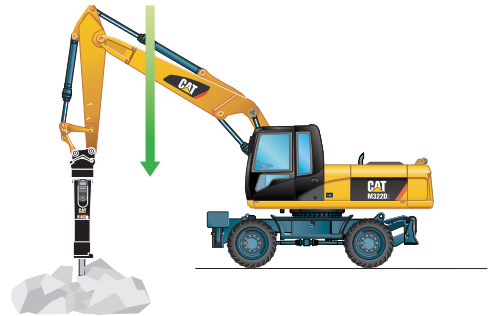
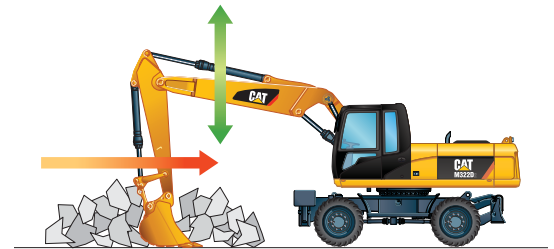
Hammer Work

The front parts automatically follow the hammer while penetrating the rock. Blank shots or excessive force on the hammer are avoided resulting in longer life for the hammer and the machine. Similar advantages with vibratory plate compactors.

Truck Loading

Loading trucks from a bench is more productive and fuel efficient as the return cycle is reduced while the boom down function does not require pump flow.

*Not available in all territories like Africa, Middle East and Eurasia.
Please contact your Cat dealer for details.



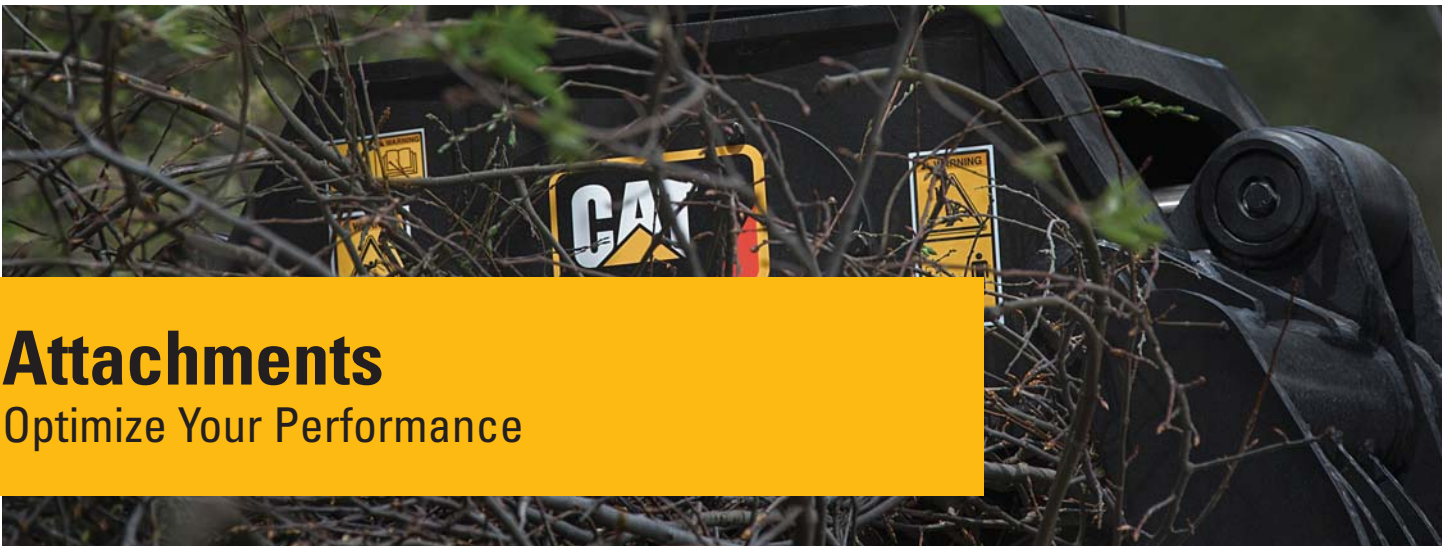
Ride Control*

Fast Travel Speed with More Comfort

The ride control system lets you travel faster over rough terrain with improved ride quality for the operator. Accumulators are acting as shock absorbers to dampen the front part motion. It can be activated through a button located on the soft switch panel in the cab.

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Attachments

Optimize Your Performance



Save Time with Every Tool Change
Perform tool changes in seconds ... Combine a quick coupler with common attachments that can be shared between the same size machines and you'll get flexibility on every job. The hydraulic quick coupler automates tool exchange, so operators can change work tools quickly, from the safety and comfort of their cabs. Make your operators more efficient and productive.



Power Match

Match your Cat hydraulic work tools to your Cat machine, and get the most out of the standard, built-in software. Work tool changes have never been easier!



Get the Most from Your Machine

If you have multiple tasks to get done in a typical work day, the M322D2 can help. Highly versatile, you can easily expand all the possibilities it offers by utilizing any of the variety of Cat attachments.

Change Jobs Quickly

A quick coupler brings the ability to quickly change attachments, and increase your flexibility. Operators will be encouraged to use the right tool for the job and fewer machines will be needed.

Dig, Load and Landscape

A wide range of buckets offers solutions for digging, excavating, trenching, loading and finishing. Ditch Cleaning buckets are suitable for grading and finishing in landscaping applications or for loading loose material that is stockpiled, where teeth would damage the surface.

Sort and Handle Material

With increasing environmental regulations, you need efficient ways to deal with waste. Save on transportation, manpower and dumping costs with Cat grapples by sorting debris at source and trucking it separately. And when you need good penetration, you can count on Cat digging grapples.

Build, Compact and Maintain Roads

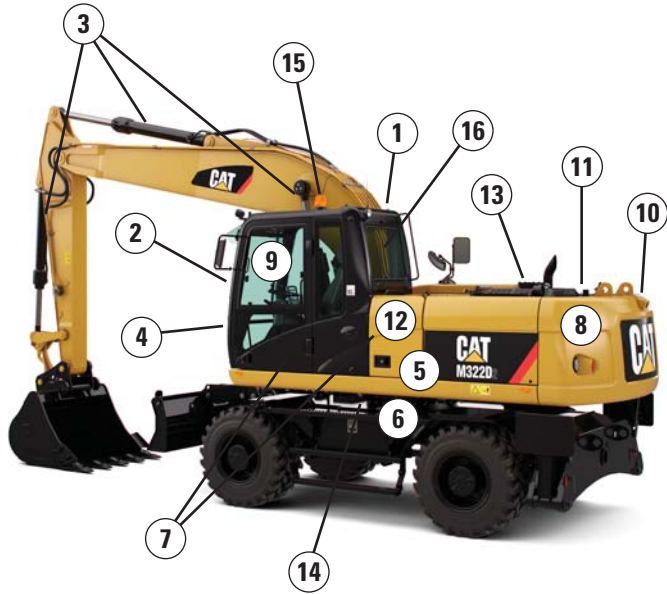
Whether you do finish grading with leveling buckets, ditch cleaning, sewer and water, or compaction, the machine in combination with the appropriate work tool will do the job quickly.



Attachment availability varies depending on territories. Contact your Cat dealer to learn more about the specific attachment choices available in your region.

Safety

Make Sure You're Safe



- 1 FOPS certified cab
- 2 Falling object guards "bolt-on" compatibility (optional guards)
- 3 Anti-drift devices for booms, sticks and buckets
- 4 Sound proofing
- 5 Ground level maintenance
- 6 Punched, anti-slippery walking surfaces
- 7 Three points of contact ingress
- 8 LED rear roading lights
- 9 Excellent visibility
- 10 Standard rearview camera
- 11 Adjustable travel alarm
- 12 Emergency shut-off switch
- 13 Battery disconnect switch
- 14 Swing mechanical lock
- 15 Rotating beacon (optional)
- 16 Emergency hammer and exit

Complete Customer Care

Your Cat Dealer Will Support You Like No Other

From helping you to choose the right machine to knowledgeable on-going support, Cat dealers provide the best-in-sales and services.

- **Best long-term investment** with financing options and services
- **Productive operation** with training programs
- **Preventive maintenance** and guaranteed maintenance contracts
- **Uptime**, with best-in-class parts availability
- **Repair, rebuild, or replace?** Your dealer can help evaluate the best option.





Serviceability

When Uptime Counts

Extended Service Intervals to Reduce Costs

- **S-O-SSM Oil Sampling Analysis** – Enhances performance and durability. This system can predict potential failures and can extend hydraulic oil change intervals up to 6,000 hours.
- **Engine Oil (low ash oil)** – Cat engine oil is more cost effective and provides industry-leading performance. Engine oil change interval can be extended up to 500 hours.
- **Capsule Filter** – The hydraulic return filter prevents from contamination when the hydraulic oil is changed.
- **Fuel Filters and Water Separator** – The new filtration system is suited for challenging work conditions, even when using poor fuel quality. The new primary filter offers increased filtration capabilities and works in conjunction with a water separator. Fuel filters are designed to last up to 500 hours (250 hours with very poor fuel quality). The primary fuel filter includes a fuel priming pump, a water level switch and a visual restriction indicator.
- **Remote Greasing** – Centralized or grouped points for hard to reach and critical locations.

Easy Ground Level Maintenance

Our excavators are designed with the operator and technician in mind. Door opening is assisted with gas springs.

- **Front Compartment** – Ground level access to the batteries, air-to-air aftercooler, air conditioner condenser and the air cleaner filter.
- **Swing-out Air Conditioner Condenser** allows cleaning on both sides and access to the air-to-air aftercooler.
- **Engine Compartment** – The longitudinal layout ensures accessibility from ground level.

Integrated Technologies

It Pays to Know

Cat Connect makes smart use of technology and services to improve your job site efficiency. Using the data from technology-equipped machines, you'll get more information and insight into your equipment and operations than ever before.

Cat Connect technologies offer improvements in these key areas:



EQUIPMENT
MANAGEMENT

Equipment Management – increase uptime and reduce operating costs.



PRODUCTIVITY

Productivity – monitor production and manage job site efficiency.



SAFETY

Safety – enhance job site awareness to keep your people and equipment safe.

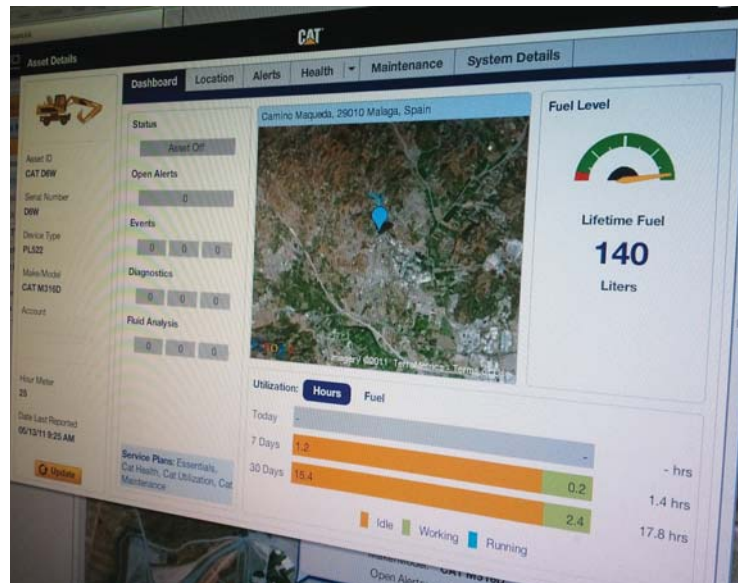
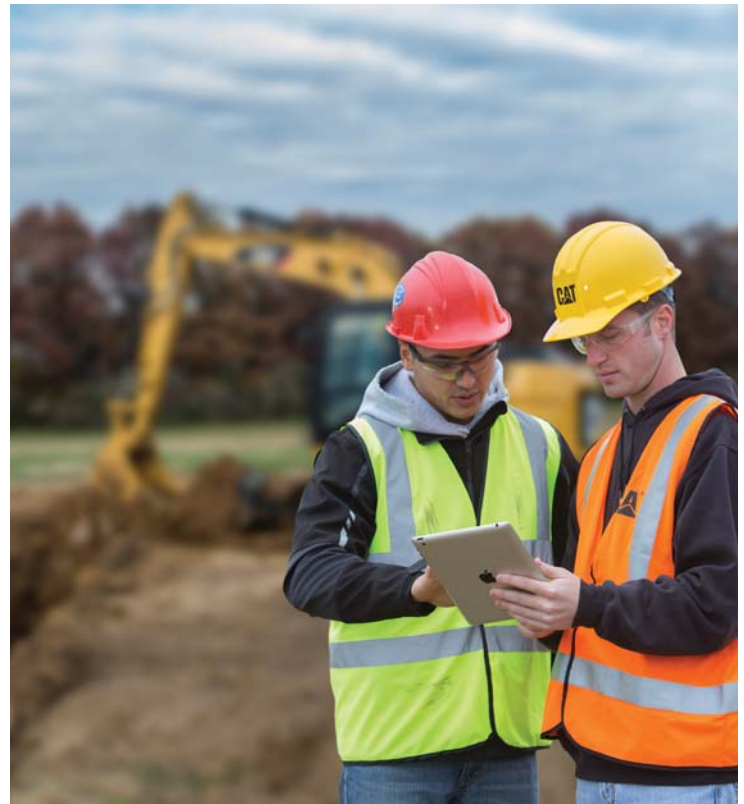
Featured Cat Connect technologies include the following:

Link

Link technologies provide wireless capability to machines to enable two-way transfer of information collected by on-board sensors, control modules, and other Cat Connect technologies.

Manage Your Machine Remotely

Cat Product Link is a system that is deeply integrated into the machine monitoring system to take the guesswork out of managing your equipment. The system tracks location, hours, fuel usage, productivity, idle time, and diagnostic codes and shares it with you through VisionLink® to help you maximize efficiency, improve productivity, and lower operating costs.



CAT® CONNECT



EQUIPMENT
MANAGEMENT



PRODUCTIVITY



SAFETY



SUSTAINABILITY

M322D2 Wheeled Excavator Specifications

Engine

Engine Model	Cat® C7.1 ACERT Technology ⁽¹⁾
Ratings	2,000 rpm
Engine Gross Power (maximum)	
ISO 14396	128.8 kW (173 hp)
ISO 14396 (metric)	175 hp (PS)
Net Power (Rated) ⁽²⁾	
ISO 9249/SAE J1349	122 kW (164 hp)
ISO 9249/SAE J1349 (metric)	166 hp (PS)
80/1269/EEC	122 kW
Net Power (maximum)	
ISO 9249/SAE J1349	122 kW (164 hp)
ISO 9249/SAE J1349 (metric)	166 hp (PS)
80/1269/EEC	122 kW
Bore	105 mm
Stroke	135 mm
Displacement	7.01 L
Maximum Torque at 1,400 rpm	868 N·m
Number of Cylinders	6

⁽¹⁾ Meets China Stage III Nonroad emission standards, and Tier 3/ Stage IIIA equivalent emission standards.

⁽²⁾ Rated speed 2,000 rpm.

- Net power advertised is the power available at the flywheel when engine is equipped with air cleaner, muffler alternator, and cooling fan running at intermediate speed.
- Full engine net power up to 4500 m altitude.

Transmission

Forward/Reverse	
1st Gear	7.0 km/h
2nd Gear	25.0 km/h
Creep Speed	
1st Gear	3.0 km/h
2nd Gear	12.0 km/h
Drawbar Pull	112.4 kN
Maximum Gradeability (at 21 000 kg)	60.2%

Swing Mechanism

Swing Speed	9.0 rpm
Swing Torque	56 kN·m

Undercarriage

Ground Clearance	380 mm
Maximum Steering Angle	35°
Oscillation Axle Angle	±9°
Minimum Turning Radius	
Outside of Tire	6800 mm
End of One-Piece Boom	9300 mm
End of VA Boom	7800 mm

Service Refill Capacities

Fuel Tank (total capacity)	385 L
Cooling System	37 L
Engine Crankcase	15 L
Rear Axle Housing (differential)	14 L
Front Steering Axle (differential)	11 L
Final Drive	2.5 L
Powershift Transmission	2.5 L

Weights

Operating Weights*	20 500-22 500 kg
Weights	
VA Boom	
Rear Dozer Only	19 650 kg
Rear Dozer, Front Outriggers	20 850 kg
Front and Rear Outriggers	21 100 kg
One-Piece Boom	
Rear Dozer Only	19 000 kg
Rear Dozer, Front Outriggers	20 200 kg
Front and Rear Outriggers	20 450 kg
Sticks**	
Short (2200 mm)	650 kg
Medium (2500 mm)	700 kg
Long (2900 mm)	780 kg
Counterweight	
Standard	3900 kg
Optional	4400 kg
Optional	5400 kg

*Operating weight includes medium stick, 4400 kg counterweight, full fuel tank, operator, bucket (645 kg) and dual pneumatic tires. Weight varies depending on configuration.

**Includes cylinder, bucket linkage, pins and standard hydraulic lines.

M322D2 Wheeled Excavator Specifications

Hydraulic System

Tank Capacity	220 L
System	350 L
Maximum Pressure	
Implement Circuit	
Normal	35 000 kPa
Heavy Lift	37 500 kPa
Travel Circuit	35 000 kPa
Auxiliary Circuit	
High Pressure	35 000 kPa
Medium Pressure	18 500 kPa
Swing Mechanism	34 000 kPa
Maximum Flow	
Implement/Travel Circuit	350 L/min
Auxiliary Circuit	
High Pressure	250 L/min
Medium Pressure	50 L/min
Swing Mechanism	112 L/min

Tires

Standard	11.00-20 (dual pneumatic)
Optional	10.00-20 (dual solid rubber)

Blade

Blade Type	Radial
Blade Width	2750 mm
Blade Roll-over Height	576 mm
Blade Total Height	610 mm
Maximum Lowering Depth from Ground	130 mm
Maximum Raising Height Above Ground	490 mm

Engine

Engine Emissions	China Stage III Nonroad, and Tier 3/Stage IIIA equivalent
Cat Bio HYDO™ Advanced	Readily biodegradable EU Flower eco-label certified
Bio Diesel up to B20	Meets EN 14214 or ASTM D6751 with EN590 or ASTM D975 standard mineral diesel fuels

Standards

Cab/ROPS*	ROPS (Rollover Protective Structure) offered by Caterpillar meets ROPS criteria ISO 12117-2:2008
Cab/FOPS	Cab with FOPS (Falling Object Protective Structure) meets FOPS criteria ISO 10262:1998 and SAE J1356:2008
Cab/Sound Levels	Meets appropriate standards as listed below
Vibration Levels	
Maximum Hand/Arm	
ISO 5349:2001	<2.5 m/s ²
Maximum Whole Body	
ISO/TR 25398:2006	<0.5 m/s ²
Seat Transmissibility Factor	
ISO 7096:2000-spectral class EM5	<0.7

*Not available in all markets. Available only for Africa, Middle East and Eurasia. Please contact your Cat dealer for details.

Sound Performance

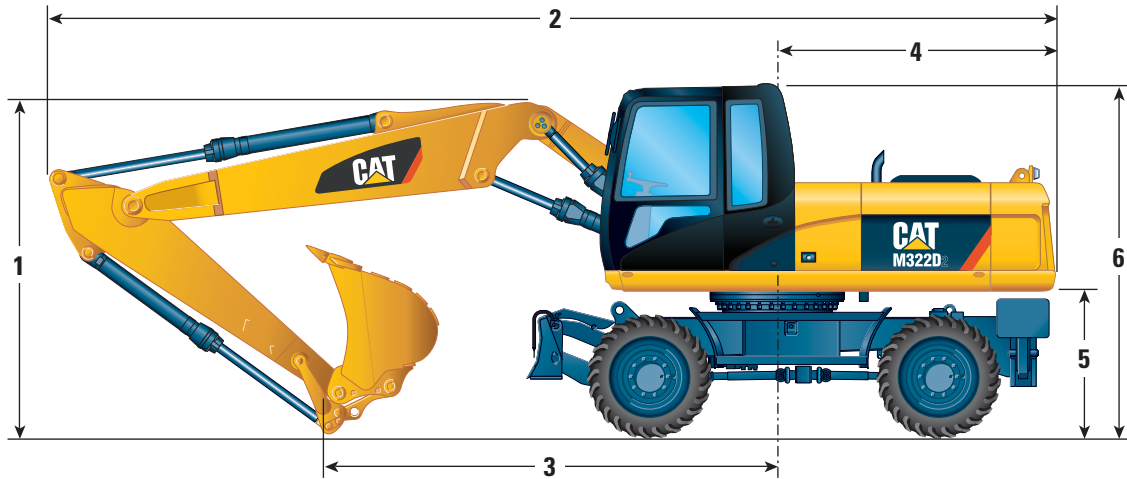
Operator Sound	
2000/14/EC	74 dB(A)
Exterior Sound	
2000/14/EC	103 dB(A)

- Operator Sound – The operator sound level is measured according to the procedures specified in 2000/14/EC, for a cab offered by Caterpillar, when properly installed and maintained and tested with the door and windows closed.
- Exterior Sound – The labeled spectator sound power level is measured according to the test procedures and conditions specified in 2000/14/EC.
- Hearing protection may be needed when operating with an open operator station and cab (when not properly maintained for doors/windows open) for extended periods or in noisy environment(s).

M322D2 Wheeled Excavator Specifications

Dimensions

All dimensions are approximate.



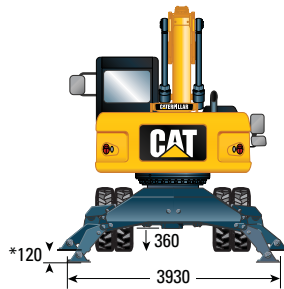
Boom Type		Variable Adjustable Boom 5440 mm			One-Piece Boom 5650 mm		
Stick Length	mm	2200	2500	2900	2200	2500	2900
1 Shipping Height with Falling Object Guard (highest point between boom and cab)	mm	3330	3330	3330	3330	3330	3330
2 Shipping Length	mm	9430	9440	9430	9650	9640	9650
3 Support Point	mm	4160	3660	3420	4240	3720	3440
4 Tail Swing Radius	mm	2820	2820	2820	2820	2820	2820
5 Counterweight Clearance	mm	1310	1310	1310	1310	1310	1310
6 Cab Height							
No Falling Object Guard	mm	3200	3200	3200	3200	3200	3200
With Falling Object Guard	mm	3330	3330	3330	3330	3330	3330

Note: With standard undercarriage and dual pneumatic tires.

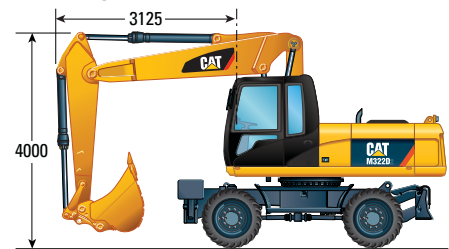
Note: Values are with 11.00-20 pneumatic tires.



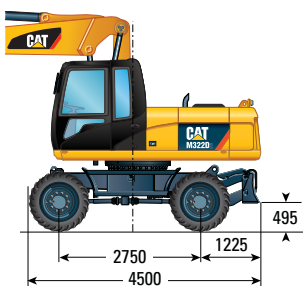
* Maximum tire clearance with outrigger fully down



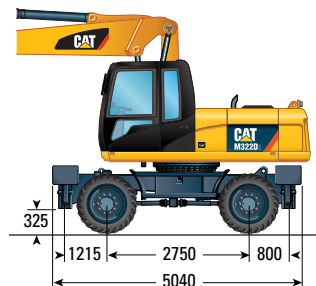
Roading position with 2500 mm stick



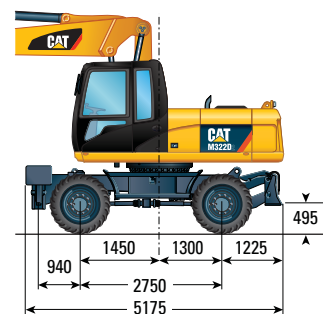
Undercarriage with dozer only



Undercarriage with 2 sets of outriggers

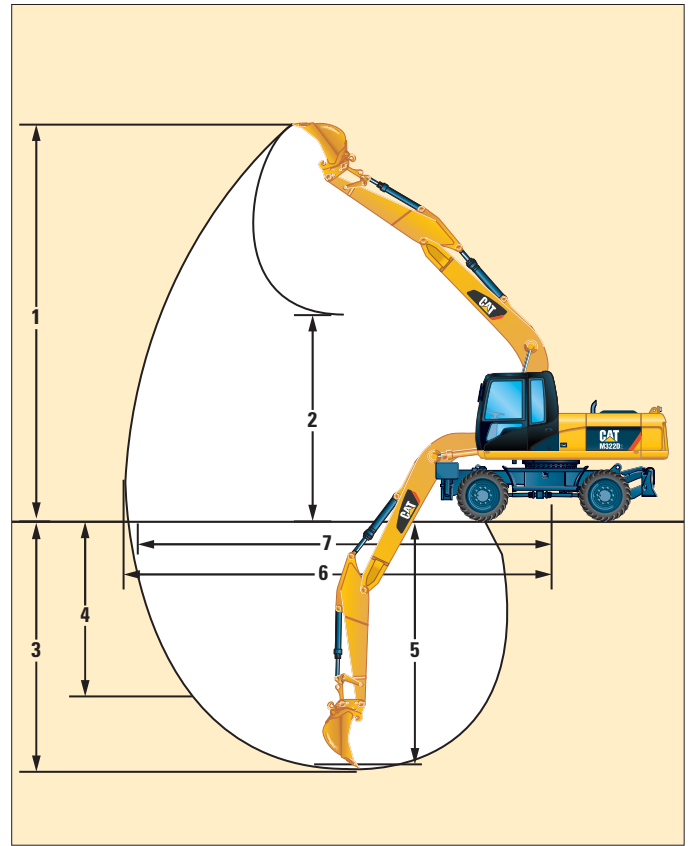
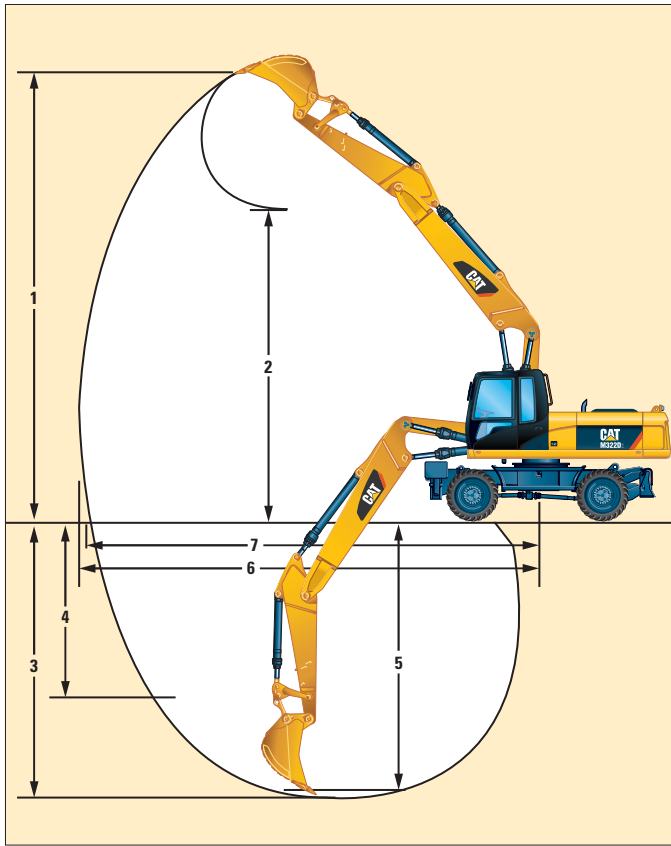


Undercarriage with 1 set of outriggers and dozer



M322D2 Wheeled Excavator Specifications

Working Ranges



Boom Type		Variable Adjustable Boom 5440 mm			One-Piece Boom 5650 mm		
		2200	2500	2900	2200	2500	2900
Stick Length	mm	2200	2500	2900	2200	2500	2900
1 Digging Height	mm	10 560	10 620	10 930	9670	9540	9760
2 Dump Height	mm	6930	7170	7500	6300	6230	6450
3 Digging Depth	mm	5990	6280	6680	5770	6070	6470
4 Vertical Wall Digging Depth	mm	4420	4450	4830	4480	4780	5160
5 Depth 2.5 m in Straight Clean-Up	mm	5780	6090	6510	5570	5880	6300
6 Reach	mm	9770	10 000	10 390	9890	10 100	10 490
7 Reach at Ground Level	mm	9590	9830	10 230	9720	9930	10 320
Bucket Forces (ISO 6015)	kN	—	152	152	—	152	152
Stick Forces (ISO 6015)	kN	—	128	118	—	128	118

Working range dimensions with pneumatic tires.

Values 1-7 are calculated with GD Bucket 1200 mm, 1.19 m³ with tips K80 and CW-40 quick coupler with a tip radius of 1712 mm.

Bucket and stick force values are calculated with heavy lift on (no quick coupler) and a tip radius of 1386 mm.

M322D2 Wheeled Excavator Specifications

Bucket Specifications

Contact your Cat dealer for special bucket requirements.

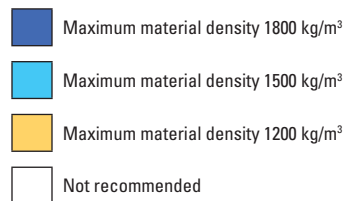
Without Quick Coupler					Variable Adjustable Boom 5440 mm												One-Piece Boom 5650 mm												
Stick Length					2200 mm				2500 mm				2900 mm				2200 mm				2500 mm				2900 mm				
	Width	Weight*	Capacity (ISO)	Adapters	Free on wheels	Dozer lowered	1 set of stabilizer lowered	Fully stabilized	Free on wheels	Dozer lowered	1 set of stabilizer lowered	Fully stabilized	Free on wheels	Dozer lowered	1 set of stabilizer lowered	Fully stabilized	Free on wheels	Dozer lowered	1 set of stabilizer lowered	Fully stabilized	Free on wheels	Dozer lowered	1 set of stabilizer lowered	Fully stabilized	Free on wheels	Dozer lowered	1 set of stabilizer lowered	Fully stabilized	
	mm	kg	m ³																										
Excavation	600	564	0.44	3																									
	750	593	0.59	3																									
	1000	698	0.86	4																									
	1200	783	1.08	5																									
	1250	800	1.13	5																									
	1300	818	1.19	5																									
	1400	853	1.30	5																									
	1500	888	1.41	5																									
Extreme Excavation	600	589	0.44	3																									
	750	620	0.59	3																									
	1250	827	1.13	4																									
	1300	864	1.18	5																									
	1400	901	1.30	5																									
Excavation (leveling)	750	625	0.64	3																									
	1000	741	0.94	4																									
	1200	837	1.19	5																									
	1400	919	1.45	5																									
Extreme Excavation (leveling)	1200	865	1.19	4																									
Ditch Cleaning	1800	690	1.05																										
	2000	750	1.18																										
Tilttable Ditch Cleaning	1800	1010	0.88																										
	2000	1060	0.98																										

*Bucket weight includes Ground Engaging Tools

The above loads are in compliance with hydraulic excavator standard EN474, they do not exceed 87% of hydraulic lifting capacity or 75% of tipping capacity with front linkage fully extended at ground line with bucket curled.

Capacity based on ISO 7451.

Bucket weight with General Duty tips.



Caterpillar recommends using appropriate work tools to maximize the value customers receive from our products. Use of work tools, including buckets, which are outside of Caterpillar's recommendations or specifications for weight, dimensions, flows, pressures, etc. may result in less-than-optimal performance, including but not limited to reductions in production, stability, reliability, and component durability. Improper use of a work tool resulting in sweeping, prying, twisting and/or catching of heavy loads will reduce the life of the boom and stick.

M322D2 Wheeled Excavator Specifications

Bucket Specifications

Contact your Cat dealer for special bucket requirements.

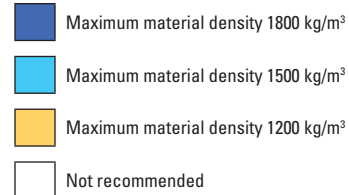
With CW Quick Coupler					Variable Adjustable Boom 5440 mm									One-Piece Boom 5650 mm															
Stick Length					2200 mm			2500 mm			2900 mm			2200 mm			2500 mm			2900 mm									
	Width	Weight*	Capacity (ISO)	Adapters	Free on wheels	Dozer lowered	1 set of stabilizer lowered	Fully stabilized	Free on wheels	Dozer lowered	1 set of stabilizer lowered	Fully stabilized	Free on wheels	Dozer lowered	1 set of stabilizer lowered	Fully stabilized	Free on wheels	Dozer lowered	1 set of stabilizer lowered	Fully stabilized	Free on wheels	Dozer lowered	1 set of stabilizer lowered	Fully stabilized	Free on wheels	Dozer lowered	1 set of stabilizer lowered	Fully stabilized	
	mm	kg	m ³																										
Excavation	600	544	0.44	3																									
	750	585	0.59	3																									
	1000	662	0.86	4																									
	1200	242	1.08	5																									
	1250	764	1.13	5																									
	1300	782	1.19	5																									
	1400	817	1.30	5																									
	1500	852	1.41	5																									
Extreme Excavation	600	572	0.44	3																									
	750	615	0.59	3																									
	1250	791	1.13	4																									
	1300	828	1.18	4																									
	1400	865	1.30	5																									
Excavation (leveling)	750	625	0.64	3																									
	1000	705	0.94	4																									
	1200	802	1.19	5																									
	1400	882	1.45	5																									
	1500	923	1.57	5																									
Extreme Excavation (leveling)	1200	828	1.19	4																									
Ditch Cleaning	1800	650	1.05																										
	2000	710	1.18																										
Tiltable Ditch Cleaning	1800	970	0.88																										
	2000	1020	0.98																										

*Bucket weight includes Ground Engaging Tools

The above loads are in compliance with hydraulic excavator standard EN474, they do not exceed 87% of hydraulic lifting capacity or 75% of tipping capacity with front linkage fully extended at ground line with bucket curled.

Capacity based on ISO 7451.

Bucket weight with General Duty tips.



Caterpillar recommends using appropriate work tools to maximize the value customers receive from our products. Use of work tools, including buckets, which are outside of Caterpillar's recommendations or specifications for weight, dimensions, flows, pressures, etc. may result in less-than-optimal performance, including but not limited to reductions in production, stability, reliability, and component durability. Improper use of a work tool resulting in sweeping, prying, twisting and/or catching of heavy loads will reduce the life of the boom and stick.

M322D2 Wheeled Excavator Specifications

Work Tools Matching Guide

When choosing between various work tool models that can be installed onto the same machine configuration, consider work tool application, productivity requirements, and durability. Refer to work tool specifications for application recommendations and productivity information.

Boom Type		Variable Adjustable Boom 5440 mm									One-Piece Boom 5650 mm									
		Dozer lowered			2 sets of stabilizers lowered			Dozer and stabilizer lowered			Dozer lowered			2 sets of stabilizers lowered			Dozer and stabilizer lowered			
Undercarriage		2200	2500	2900	2200	2500	2900	2200	2500	2900	2200	2500	2900	2200	2500	2900	2200	2500	2900	
Stick Length (mm)		2200	2500	2900	2200	2500	2900	2200	2500	2900	2200	2500	2900	2200	2500	2900	2200	2500	2900	
Without Quick Coupler																				
Hammers	H115 S, H120C S, H130 S																			
Multiprocessors	MP15	CC, CR	Red										Red							
	MP15	PP																		
	MP15	PS										Red								
	MP15	S	Red																	
	MP20	S																		
Hydraulic Shears (* boom mounted)	S320B											Red								
	S325B*																			
	S340B*																			
Multi-Grapples	G315B	D	Red	Red																
		R	Red									Red								
Compactor	CVP110																			
Crushers	P315		Red												Red					
Orange Peel Grapples	GSH15B 5 tines	400	Blue	Blue	Yellow															
		500	Blue	Blue																
		600	Blue										Blue	Blue						
		800	Blue					Yellow			Yellow						Yellow			Yellow
	GSH15B 4 tines	400	Blue	Blue																
		500	Blue	Blue	Yellow															
		600	Blue	Blue																
		800	Blue	Blue										Yellow			Yellow			Yellow
	GSH20B 5 tines	600	Blue	Blue				Yellow			Yellow						Yellow			Yellow
		800	Blue	Blue																
		1000	Blue	Blue			Yellow			Yellow									Yellow	
	GSH20B 4 tines	600	Blue	Blue										Yellow			Yellow			Yellow
800		Blue	Blue				Yellow			Yellow								Yellow	Yellow	
1000		Blue	Blue						Yellow	Yellow								Yellow	Yellow	
Pulverizers	P215		Red												Red					
With Quick Coupler (CW-40, CW-40S)																				
Hammers	H115 S, H120C S, H130 S																			
Multiprocessors	MP15	CC																		
	MP15	CR, S											Red							
	MP15	PP																		
	MP15	PS																		
Hydraulic Shear	S320B																			
Multi-Grapples	G315B	D											Red	Red						
	G315B	R																		
Compactor	CVP110																			
Crushers	P315																			
Pulverizers	P215														Red					

Offerings not available in all areas. Matches are dependent on wheeled excavator configurations. Consult your Cat dealer to determine what is offered in your area and for proper work tool match. Fixed CAN: CW quick coupler adapter plates

- 360° Working Range
- Over the front only
- Maximum material density 3000 kg/m³
- Maximum material density 1800 kg/m³
- Maximum material density 1200 kg/m³

M322D2 Wheeled Excavator Specifications

Lift Capacities – Variable Adjustable Boom (5440 mm)

All values are in kg, without bucket and without QC, with counterweight (4400 kg), heavy lift on.

Short Stick 2200 mm	Load at maximum reach (sticknose/bucket pin)	Load over front	Load over rear	Load over side	Load point height	Lift Capacity (kg)												m
						3.0 m			4.5 m			6.0 m			7.5 m			
						Front	Rear	Side	Front	Rear	Side	Front	Rear	Side	Front	Rear	Side	
6.0 m	Rear dozer up (std UC)					*8000	7250	6050	5600	4500	3750				*4100	3550	2950	6.80
	Rear dozer down (std UC)					*8000	6850			*7100	4250				*4100	3350		
	Dozer and stabilizer down (std UC)					*8000	*8000			*7100	6250				*4100	*4100		
	2 sets of stabilizers down (std UC)					*8000	*8000	*8000	*7100	*7100	*7100				*4100	*4100	*4100	
4.5 m	Rear dozer up (std UC)					8650	6850	5650	5450	4350	3600	3750	2950	2450	3700	2900	2400	7.56
	Rear dozer down (std UC)					*9250	6450			*7300	4150		*5050	2850	*3750	2800		
	Dozer and stabilizer down (std UC)					*9250	*9250			*7300	6100		*5050	4250	*3750	*3750		
	2 sets of stabilizers down (std UC)					*9250	*9250	*9250	*7300	*7300	*7300	*5050	*5050	5050	*3750	*3750	*3750	
3.0 m	Rear dozer up (std UC)					8000	6250	5100	5200	4100	3400	3700	2900	2400	3350	2600	2150	7.96
	Rear dozer down (std UC)					*10 950	5900			*7800	3900		6150	2750	*3650	2500		
	Dozer and stabilizer down (std UC)					*10 950	9100			*7800	5850		*6200	4150	*3650	*3650		
	2 sets of stabilizers down (std UC)					*10 950	*10 950	*10 950	*7800	*7800	7050	*6200	*6200	5000	*3650	*3650	*3650	
1.5 m	Rear dozer up (std UC)					7500	5750	4650	4950	3850	3200	3600	2800	2300	3250	2500	2100	8.04
	Rear dozer down (std UC)					*11 950	5450			*8500	3650		6050	2650	*3700	2400		
	Dozer and stabilizer down (std UC)					*11 950	8600			*8500	5600		*6500	4050	*3700	3650		
	2 sets of stabilizers down (std UC)					*11 950	*11 950	10 700	*8500	*8500	6800	*6500	*6500	4900	*3700	*3700	*3700	
0.0 m	Rear dozer up (std UC)					7300	5600	4500	4800	3700	3050	3550	2750	2250	3350	2600	2150	7.83
	Rear dozer down (std UC)					*11 650	5250			8500	3550		5950	2600	*3900	2450		
	Dozer and stabilizer down (std UC)					*11 650	8400			*8600	5450		*6500	4000	*3900	3800		
	2 sets of stabilizers down (std UC)					*11 650	*11 650	10 500	*8600	8550	6650	*6500	6100	4800	*3900	*3900	*3900	
-1.5 m	Rear dozer up (std UC)					7300	5600	4500	4800	3700	3000				3700	2900	2350	7.30
	Rear dozer down (std UC)					*10 400	5250			*7800	3500				*4400	2750		
	Dozer and stabilizer down (std UC)					*10 400	8400			*7800	5450				*4400	4200		
	2 sets of stabilizers down (std UC)					*10 400	*10 400	*10 400	*7800	*7800	6600				*4400	*4400	*4400	

*Limited by hydraulic rather than tipping load.

Lift capacity ratings are based on ISO 10567:2007, they do not exceed 87% of hydraulic lifting capacity or 75% of tipping load. The load point is the center line of the bucket pivot mounting pin on the stick. The oscillating axle must be locked. Lifting capacities are based on the machine standing on a firm uniform supporting surface and the Variable Boom Cylinder adjusted to the maximum length. For lifting capacity including bucket and/or quick coupler, the respective weight has to be subtracted from above values. The use of a work tool attachment point to handle/lift objects, could affect the machine lift performance.

Always refer to the appropriate Operation and Maintenance Manual for specific product information.

M322D2 Wheeled Excavator Specifications

Lift Capacities – Variable Adjustable Boom (5440 mm)

All values are in kg, without bucket and without QC, with counterweight (4400 kg), heavy lift on.

Long Stick 2900 mm	Load at maximum reach (sticknose/bucket pin)	Load over front	Load over rear	Load over side	Load point height	Lift Capacity (kg)												m
						3.0 m			4.5 m			6.0 m			7.5 m			
						UC	UC	UC	UC	UC	UC	UC	UC	UC	UC	UC	UC	
6.0 m	Rear dozer up (std UC)							5700	4600	3850	*3150	3050	2550	*2800	*2800	2500	7.54	
	Rear dozer down (std UC)								*6350	4350		*3150	2900		*2800	*2800		
	Dozer and stabilizer down (std UC)								*6350	*6350		*3150	*3150		*2800	*2800		
	2 sets of stabilizers down (std UC)							*6350	*6350	*6350	*3150	*3150	*3150	*2800	*2800	*2800		
4.5 m	Rear dozer up (std UC)				*7900	7050	5850	5550	4400	3700	3850	3000	2500	*2650	2550	2100	8.23	
	Rear dozer down (std UC)				*7900	6650			*6850	4200		*5700	2900		*2650	2400		
	Dozer and stabilizer down (std UC)				*7900	*7900			*6850	6200		*5700	4300		*2650	*2650		
	2 sets of stabilizers down (std UC)				*7900	*7900	*7900	*6850	*6850	*6850	*5700	*5700	5100	*2650	*2650	*2650		
3.0 m	Rear dozer up (std UC)				8200	6450	5250	5250	4150	3450	3700	2900	2400	*2600	2300	1900	8.59	
	Rear dozer down (std UC)					*10 050	6050		*7350	3950		*5850	2800		*2600	2200		
	Dozer and stabilizer down (std UC)					*10 050	9350		*7350	5900		*5850	4200		*2600	*2600		
	2 sets of stabilizers down (std UC)				*10 050	*10 050	*10 050	*7350	*7350	7150	*5850	*5850	5000	*2600	*2600	*2600		
1.5 m	Rear dozer up (std UC)				7600	5850	4750	5000	3900	3200	3600	2800	2300	*2700	2200	1800	8.67	
	Rear dozer down (std UC)					*11 550	5500		*8050	3700		6050	2650		*2700	2100		
	Dozer and stabilizer down (std UC)					*11 550	8700		*8050	5650		*6150	4050		*2700	*2700		
	2 sets of stabilizers down (std UC)				*11 550	*11 550	10 850	*8050	*8050	6850	*6150	6150	4850	*2700	*2700	*2700		
0.0 m	Rear dozer up (std UC)				7300	5550	4450	4800	3700	3000	3500	2700	2200	*2900	2250	1850	8.47	
	Rear dozer down (std UC)					*11 850	5200		8500	3500		5900	2550		*2900	2150		
	Dozer and stabilizer down (std UC)					*11 850	8350		*8600	5450		*6500	3950		*2900	*2900		
	2 sets of stabilizers down (std UC)				*11 850	*11 850	10 450	*8600	8500	6600	*6500	6000	4750	*2900	*2900	*2900		
-1.5 m	Rear dozer up (std UC)	*9450	*9450	8150	7200	5450	4350	4700	3600	2900	3450	2650	2150	3200	2450	2000	7.98	
	Rear dozer down (std UC)		*9450	*9450		*11 100	5150		*8200	3400		5850	2500		*3300	2350		
	Dozer and stabilizer down (std UC)		*9450	*9450		*11 100	8300		*8200	5350		*6100	3900		*3300	*3300		
	2 sets of stabilizers down (std UC)	*9450	*9450	*9450	*11 100	*11 100	10 350	*8200	*8200	6550	*6100	6000	4700	*3300	*3300	*3300		
-3.0 m	Rear dozer up (std UC)				7250	5550	4400	4750	3650	2950								
	Rear dozer down (std UC)					*9300	5200		*6850	3450								
	Dozer and stabilizer down (std UC)					*9300	8350		*6850	5400								
	2 sets of stabilizers down (std UC)				*9300	*9300	*9300	*6850	*6850	6550								

*Limited by hydraulic rather than tipping load.

Lift capacity ratings are based on ISO 10567:2007, they do not exceed 87% of hydraulic lifting capacity or 75% of tipping load. The load point is the center line of the bucket pivot mounting pin on the stick. The oscillating axle must be locked. Lifting capacities are based on the machine standing on a firm uniform supporting surface and the Variable Boom Cylinder adjusted to the maximum length. For lifting capacity including bucket and/or quick coupler, the respective weight has to be subtracted from above values. The use of a work tool attachment point to handle/lift objects, could affect the machine lift performance.

Always refer to the appropriate Operation and Maintenance Manual for specific product information.

M322D2 Wheeled Excavator Specifications

Lift Capacities – One-Piece Boom (5650 mm)

All values are in kg, without bucket and without QC, with counterweight (4400 kg), heavy lift on.

Short Stick 2200 mm	Load at maximum reach (sticknose/bucket pin)	Load over front	Load over rear	Load over side	Load point height	3.0 m												4.5 m			6.0 m			7.5 m			m
						Undercarriage configuration												3.0 m	4.5 m	6.0 m	7.5 m						
						3.0 m	4.5 m	6.0 m	7.5 m	3.0 m	4.5 m	6.0 m	7.5 m	3.0 m	4.5 m	6.0 m	7.5 m										
6.0 m	Rear dozer up (std UC)																	5550	4450	3750				*4050	3400	2900	6.96
	Rear dozer down (std UC)																		*6800	4250					*4050	3250	
	Dozer and stabilizer down (std UC)																		*6800	6200					*4050	*4050	
	2 sets of stabilizers down (std UC)																		*6800	*6800	*6800				*4050	*4050	
4.5 m	Rear dozer up (std UC)																										7.70
	Rear dozer down (std UC)																										
	Dozer and stabilizer down (std UC)																										
	2 sets of stabilizers down (std UC)																										
3.0 m	Rear dozer up (std UC)																										8.09
	Rear dozer down (std UC)																										
	Dozer and stabilizer down (std UC)																										
	2 sets of stabilizers down (std UC)																										
1.5 m	Rear dozer up (std UC)																										8.17
	Rear dozer down (std UC)																										
	Dozer and stabilizer down (std UC)																										
	2 sets of stabilizers down (std UC)																										
0.0 m	Rear dozer up (std UC)																										7.96
	Rear dozer down (std UC)																										
	Dozer and stabilizer down (std UC)																										
	2 sets of stabilizers down (std UC)																										
-1.5 m	Rear dozer up (std UC)																										7.44
	Rear dozer down (std UC)																										
	Dozer and stabilizer down (std UC)																										
	2 sets of stabilizers down (std UC)																										
-3.0 m	Rear dozer up (std UC)																										6.51
	Rear dozer down (std UC)																										
	Dozer and stabilizer down (std UC)																										
	2 sets of stabilizers down (std UC)																										

*Limited by hydraulic rather than tipping load.

Lift capacity ratings are based on ISO 10567:2007, they do not exceed 87% of hydraulic lifting capacity or 75% of tipping load. The load point is the center line of the bucket pivot mounting pin on the stick. The oscillating axle must be locked. Lifting capacities are based on the machine standing on a firm uniform supporting surface. For lifting capacity including bucket and/or quick coupler, the respective weight has to be subtracted from above values. The use of a work tool attachment point to handle/lift objects, could affect the machine lift performance.

Always refer to the appropriate Operation and Maintenance Manual for specific product information.

M322D2 Wheeled Excavator Specifications

Lift Capacities – One-Piece Boom (5650 mm)

All values are in kg, without bucket and without QC, with counterweight (4400 kg), heavy lift on.

Medium Stick 2500 mm	Load at maximum reach (sticknose/bucket pin)	Load over front			Load over rear			Load over side			Load point height			m			
		3.0 m			4.5 m			6.0 m			7.5 m						
		Stick	QC	Bucket	Stick	QC	Bucket	Stick	QC	Bucket	Stick	QC	Bucket				
	Undercarriage configuration																
6.0 m	Rear dozer up (std UC) Rear dozer down (std UC) Dozer and stabilizer down (std UC) 2 sets of stabilizers down (std UC)							5600	4500	3800				*3350	3250	2750	7.21
4.5 m	Rear dozer up (std UC) Rear dozer down (std UC) Dozer and stabilizer down (std UC) 2 sets of stabilizers down (std UC)							5450	4350	3650	3800	3000	2500	*3250	2700	2250	7.93
3.0 m	Rear dozer up (std UC) Rear dozer down (std UC) Dozer and stabilizer down (std UC) 2 sets of stabilizers down (std UC)				8000	6250	5150	5200	4100	3400	3700	2900	2450	3150	2450	2050	8.30
1.5 m	Rear dozer up (std UC) Rear dozer down (std UC) Dozer and stabilizer down (std UC) 2 sets of stabilizers down (std UC)				7500	5800	4700	4950	3850	3200	3600	2800	2350	3050	2350	1950	8.39
0.0 m	Rear dozer up (std UC) Rear dozer down (std UC) Dozer and stabilizer down (std UC) 2 sets of stabilizers down (std UC)				7300	5600	4500	4800	3700	3050	3500	2700	2250	3100	2400	2000	8.18
-1.5 m	Rear dozer up (std UC) Rear dozer down (std UC) Dozer and stabilizer down (std UC) 2 sets of stabilizers down (std UC)	*9750	*9750	8400	7250	5550	4500	4750	3650	3000	3500	2700	2250	3400	2650	2200	7.67
-3.0 m	Rear dozer up (std UC) Rear dozer down (std UC) Dozer and stabilizer down (std UC) 2 sets of stabilizers down (std UC)	*12 050	11 200	8550	7350	5650	4550	4800	3700	3050				4100	3200	2650	6.78

*Limited by hydraulic rather than tipping load.

Lift capacity ratings are based on ISO 10567:2007, they do not exceed 87% of hydraulic lifting capacity or 75% of tipping load. The load point is the center line of the bucket pivot mounting pin on the stick. The oscillating axle must be locked. Lifting capacities are based on the machine standing on a firm uniform supporting surface. For lifting capacity including bucket and/or quick coupler, the respective weight has to be subtracted from above values. The use of a work tool attachment point to handle/lift objects, could affect the machine lift performance.

Always refer to the appropriate Operation and Maintenance Manual for specific product information.

M322D2 Wheeled Excavator Specifications

Lift Capacities – One-Piece Boom (5650 mm)

All values are in kg, without bucket and without QC, with counterweight (4400 kg), heavy lift on.

Long Stick 2900 mm	Load at maximum reach (sticknose/bucket pin)	Load over front	Load over rear	Load over side	Load point height												
					3.0 m			4.5 m			6.0 m			7.5 m			m
					Up	Down	2 sets	Up	Down	2 sets	Up	Down	2 sets	Up	Down	2 sets	
6.0 m	Rear dozer up (std UC) Rear dozer down (std UC) Dozer and stabilizer down (std UC) 2 sets of stabilizers down (std UC)										*3850	3050	2550	*2800	*2800	2450	7.66
4.5 m	Rear dozer up (std UC) Rear dozer down (std UC) Dozer and stabilizer down (std UC) 2 sets of stabilizers down (std UC)							5500	4350	3700	3800	3000	2550	*2700	2500	2050	8.34
3.0 m	Rear dozer up (std UC) Rear dozer down (std UC) Dozer and stabilizer down (std UC) 2 sets of stabilizers down (std UC)				8100	6350	5200	5200	4100	3450	3700	2900	2450	*2700	2250	1850	8.69
1.5 m	Rear dozer up (std UC) Rear dozer down (std UC) Dozer and stabilizer down (std UC) 2 sets of stabilizers down (std UC)				7550	5800	4700	4950	3850	3200	3550	2800	2300	*2800	2150	1800	8.77
0.0 m	Rear dozer up (std UC) Rear dozer down (std UC) Dozer and stabilizer down (std UC) 2 sets of stabilizers down (std UC)				7250	5550	4450	4750	3700	3000	3450	2700	2200	2850	2200	1800	8.58
-1.5 m	Rear dozer up (std UC) Rear dozer down (std UC) Dozer and stabilizer down (std UC) 2 sets of stabilizers down (std UC)	*9250	*9250	8200	7200	5450	4400	4700	3600	2950	3450	2650	2200	3100	2400	1950	8.10
-3.0 m	Rear dozer up (std UC) Rear dozer down (std UC) Dozer and stabilizer down (std UC) 2 sets of stabilizers down (std UC)	*13 350	10 950	8400	7250	5550	4450	4700	3650	2950				3650	2850	2350	7.26
-4.5 m	Rear dozer up (std UC) Rear dozer down (std UC) Dozer and stabilizer down (std UC) 2 sets of stabilizers down (std UC)				*7000	5750	4650										

*Limited by hydraulic rather than tipping load.

Lift capacity ratings are based on ISO 10567:2007, they do not exceed 87% of hydraulic lifting capacity or 75% of tipping load. The load point is the center line of the bucket pivot mounting pin on the stick. The oscillating axle must be locked. Lifting capacities are based on the machine standing on a firm uniform supporting surface. For lifting capacity including bucket and/or quick coupler, the respective weight has to be subtracted from above values. The use of a work tool attachment point to handle/lift objects, could affect the machine lift performance.

Always refer to the appropriate Operation and Maintenance Manual for specific product information.

M322D2 Standard Equipment

Standard Equipment

Standard equipment may vary. Consult your Cat dealer for details.

ELECTRICAL

- Alternator, 75 A
- Lights
 - Halogen working lights
 - Cab mounted: two front, one rear
 - Boom
 - Roading lights
 - Halogen front lights
 - LED rear lights
- Main shut-off switch
- Two Cat maintenance free heavy-duty batteries
- Signal/warning horn

ENGINE

- Cat C7.1 ACERT meets China Stage III Nonroad emission standards and meets Tier 3/Stage IIIA equivalent emission standards
- Automatic engine speed control, including one touch low idle
- Automatic starting aid
- Power mode selector (Eco and standard)
- Altitude capability: 3000 m
- Fuel/water separator with level indicator, fuel priming pump, water level switch and a visual restriction indicator

HYDRAULICS

- Cat XT-6 ES hoses
- Adjustable hydraulic sensitivity
- Oil cooler
- Anti-drift valve for bucket cylinder
- Hydraulic mineral oil, Cat HYDO Advanced 10 oil
- Heavy lift mode
- Load-sensing hydraulic system
- Separate swing pump
- Stick regeneration circuit

OPERATOR STATION

- Reinforced cab structure compliant with 2006/42/EC (tested according to ISO 12117-2:2008)*
- Washer bottle for wipers
- Interior lighting
- Joysticks, pilot operated
- Literature compartment behind the seat
- Mounting provisions for radio and speakers
- Adjustable armrests
- Air conditioner, heater and defroster with automatic climate control
- Ash tray with cigarette lighter (24 volt)
- Beverage cup/can holder
- Bolt-on guards capability
- Bottle holder
- Bottom mounted, intermittent, parallel wiping system that covers the upper and lower windshield glass
- Camera mounted on counterweight displays through cab monitor
- Coat hook
- Floor mat, washable, with storage compartment
- Instrument panel and gauges, with full color monitor display:
 - Information and warning messages in local language
 - Gauges for fuel level, engine coolant and hydraulic oil temperature
 - Filters/fluids change interval
 - Indicators for headlights, turning signal, low fuel, engine dial setting
 - Clock with 10-day backup battery
- Laminated front windshield
- Left side console, tiltable, with lock out for all controls
- Literature holder in right hand cab panel
- Mobile phone holder
- Parking brake
- Positive filtered ventilation, variable speed
- Power supply, 12V-7A
- Rear window, emergency exit
- Retractable seat belt, 51 mm
- Skylight
- Sliding door windows
- Steering column, tiltable
- Storage area suitable for a lunch box
- Sunshade for windshield and skylight
- Travel speed lock

UNDERCARRIAGE

- Hydrostatic transmission, two speeds
- Creeper speed
- Full hydraulic steering with emergency capability
- Four wheel drive
- Two-piece drive shaft
- Heavy Duty axles, with advanced disc brake system and travel motor with adjustable braking force
- Oscillating front axle, lockable, with remote greasing point
- Steps, wide, left and right
- Toolbox, left and right

OTHER EQUIPMENT

- Automatic swing brake
- Counterweight, 4400 kg
- Mirrors, frame and cab
- Cat Product Link
- Capability to add other auxiliary hydraulic circuits
- Caterpillar Datalink and Electronic Technician capability
- Door locks and cab locks with Cat one-key security system
- S·O·S quick sampling valves for engine oil, hydraulic oil and coolant

*Not available in all markets. Available only for Africa, Middle East and Eurasia. Please contact your Cat dealer for details.

Optional Equipment

Optional equipment may vary. Consult your Cat dealer for details.

AUXILIARY CONTROLS AND LINES

- Auxiliary boom and stick lines
- Basic control circuits:
 - Medium pressure
 - Two-way, medium pressure circuit, for rotating or tilting of work tools
 - Tool control/multi function
 - One/two-way high pressure for hammer application or opening and closing of a work tool
- Programmable flow and pressure for up to 10 work tools – selection via monitor
- Quick coupler control
- SmartBoom
- Pattern changer

HYDRAULICS

- Overload warning device*
- Boom and stick lowering control devices*

FRONT LINKAGE

- Booms
 - One-piece boom, 5650 mm
 - VA boom (two piece), 5440 mm
- Bucket linkage with or without diverter valve*
- Sticks
 - 2200, 2500, 2900 mm

*Standard for Africa, Middle East and Eurasia

**Not available in all markets. Please contact your Cat dealer for details.

ELECTRICAL

- Travel alarm with three selectable modes
- Refueling pump
- Lights
 - Rotating beacon on cab

OPERATOR STATION

- Front and top guards
- CD/MP3 radio (12V) at rear location including speakers and 12V converter
- Windshield
 - One piece
 - 70/30 split, openable, with visor for rain protection
- Seats
 - Vertical mechanical suspension with manual weight adjustment and mechanical lumbar support
 - Vertical air suspension, horizontal suspension, automatic weight adjustment, mechanical lumbar support, passive climate system, seat cushion length and angle adjustment and a seat heater
- Auxiliary high pressure pedal

UNDERCARRIAGE

- Undercarriages:
 - Blade front/outriggers rear
 - Outriggers front/blade rear
 - Outriggers front and rear**
- Tires:
 - Pneumatic 11.00-20 dual
 - Solid rubber 11.00-20 dual**
 - Spacer rings for tires
 - Fenders**

OTHER EQUIPMENT

- Ride Control
- Cat Machine Security System (MSS)
- Counterweight, 5400 kg
- Uppercarriage access steps with integrated toolbox
- Cab protecting guards, front and top

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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