

M318D

Wheel Excavator



Engine

Engine Model	Cat® C6.6 with ACERT™ Technology	
Net power (ISO 9249) at 1,800 rpm	124 kW	166 hp

Weights

Operating Weight	18 200 to 20 100 kg	40,124 to 44,313 lb
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Bucket Specifications

Bucket Capacities	0.38 to 1.26 m ³	0.5 to 1.65 yd ³
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Working Ranges

Maximum Reach at Ground Level	9600 mm	31'6"
Maximum Digging Depth	6360 mm	20'11"

Drive

Maximum Travel Speed	37 km/h	23 mph
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Features

Engine

The EPA Tier 3 compliant C6.6 offers increased performance and reliability while reducing fuel consumption and sound levels.

Environmentally Responsible Design

Helping to protect our environment, the engine has low operator and spectator sound levels, longer filter change intervals and is more fuel-efficient.

Hydraulics

The state of the art load-sensing hydraulic system combined with a separate dedicated swing pump provides fast cycle times, increased lift capacity and high bucket and stick forces. This combination maximizes your productivity in any job.

Serviceability

For increased safety, all daily maintenance points are accessible from ground level. A centralized greasing system allows lubrication of critical points.

Operator Comfort

The totally redesigned operator station maximizes comfort while increasing safety. The available auto-weight adjusted air-suspension seat with heated and cooled ventilated cushions improves operator comfort. Safety is enhanced by the new color monitor and standard rear-mounted camera.

Undercarriage

Various undercarriage configuration with blade and outriggers are available to provide the best solution for you.

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The D Series incorporates innovations for improved performance and versatility.

Increased lifting capacity, improved cycle times and ease of operation lead to increased productivity and lower operating costs.

Engine

Built for power, reliability, low maintenance, excellent fuel economy and low emissions.

Powerful Performance

The Cat® C6.6 engine with ACERT™ Technology introduces a series of evolutionary, incremental improvements that provide breakthrough engine performance. The building blocks of ACERT Technology are fuel delivery, air management and electronic control. ACERT Technology optimizes engine performance while meeting EPA Tier 3 engine emission regulations. The Cat C6.6 engine in the M318D delivers a maximum gross power of 130 kW (174 hp) at a rated speed of 1,800 rpm.

Low Fuel Consumption

The C6.6 is electronically controlled and uses Cat Common Rail Fuel System and fuel pump. This combination provides outstanding fuel consumption during both production and travel. When the system recognizes roading application the engine will operate at the most efficient system operating point to save fuel without compromising road performance.

Low Noise, Low Vibration

The Cat C6.6 design improves operator comfort by reducing sound and vibration.

Cooling System

An electronically controlled, hydraulic motor drives a variable speed on-demand fan for engine coolant and hydraulic oil. The optimum fan speed is determined based on coolant and hydraulic oil temperature resulting in reduced fuel consumption and lower sound levels. The electronic engine control continuously compensates for the varying fan load, providing consistent net power, regardless of operating conditions.

One-Touch Low Idle Control

The two stage, one-touch Automatic Engine Speed Control reduces engine speed if no operation is performed, maximizing fuel efficiency and reducing sound levels.

Waste Handling Package

The Waste Handling Package has been specifically developed for Cat Wheel Excavators working in waste transfer stations or other extremely dusty applications. This option features the following:

- An automatic, hydraulic reversible fan that reverses airflow after a set interval, manually adjustable between 5 and 60 minutes with a switch located inside the cab.
- A special dense wire mesh cooling system hood further reduces radiator clogging.
- Two cyclone filters provide clean filtered air to the engine compartment, air cleaner, aftercooler and air conditioner condenser.



Hydraulics

Load-sensing hydraulic system provides fast cycle times, increased lift capacity and high bucket and stick forces to maximize your productivity in any job.



Dedicated Swing Pump

A dedicated variable displacement piston pump and fixed displacement piston motor power the swing drive. This closed hydraulic circuit maximizes swing performance without reducing power to the other hydraulic functions, resulting in smoother combined movements.

Heavy Lift Mode

This mode maximizes lifting performance by boosting the lifting capability of the excavator by 7%.

Adjustable Hydraulic Sensitivity

This function allows the operator to adjust the aggressiveness of the machine according to the application. For precision work, one of four different levels of aggressiveness can be preselected.

Proportional Auxiliary Hydraulics

Versatility of the hydraulic system can be expanded to utilize a wide variety of hydraulic work tools using multiple valve options.

- The Multi-Combined Valve is the core of the Tool Control System, allowing the operator to select up to ten preprogrammed work tools from the monitor. These preset hydraulic parameters support either one-way or two-way flow. The joystick sliding switches allow modulated control of the work tool.
- A dedicated Hammer circuit is the best option for tools that require one-way flow only, and do not require the flexibility provided by the Multi-Combined Valve.
- The Medium Pressure Function Valve provides proportional flow that is ideal for tilting buckets or rotating tools.
- A new feature for the D Series Wheel Excavators is the optional second High Pressure valve. In combination with the Multi-Combined Valve, it provides the possibility to operate the machine with work tools or in applications requiring a third auxiliary hydraulic function, such as a tilting/rotating work tool.

Stick Regeneration Circuit

The stick regeneration circuit increases efficiency and helps increase controllability for higher productivity and lower operating costs.

Quick Coupler

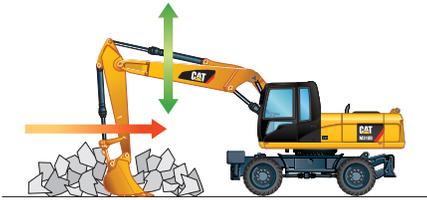
The machine can be optionally equipped with a dedicated hydraulic circuit to operate hydraulic quick couplers.

Hydraulic Snubbers

Caterpillar integrates its cylinder snubber technology into all Wheel Excavator boom and stick cylinders. These snubbers help cushion shocks, reduce sound and increase cylinder life.

SmartBoom™

Reduces stress and vibrations transmitted to the machine and provides a more comfortable environment.



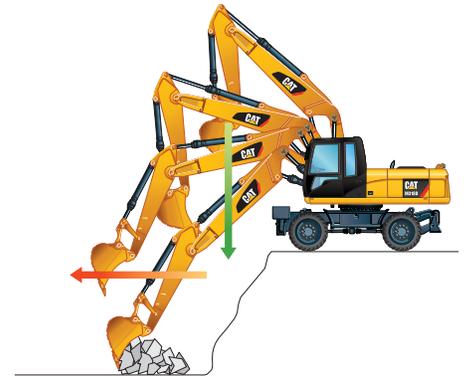
Rock Scraping

Scraping rock and finishing work is easy and fast. SmartBoom™ simplifies the task and allows the operator to concentrate on stick and bucket, while 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.

Environmentally Responsible Design

The M318D helps build a better world and preserve the fragile environment.

Fuel Efficiency

The D Series Wheel Excavators are designed for outstanding performance with high fuel efficiency. This means more work done in a day, less fuel consumed and minimal impact on our environment.

Low Exhaust Emissions

The new Cat® C6.6 engine meets the EPA Tier 3 emissions regulations while offering increased performance, reliability and reduced fuel consumption and sound levels.

Quiet Operation

Operator and spectator noise levels are extremely low as a result of the new variable speed fan and remote cooling system.

Biodegradable Hydraulic Oil

The optional biodegradable hydraulic oil (Cat BIO HYDO Advanced HEES™) is formulated to provide excellent

high-pressure and high temperature characteristics, and is fully compatible with all hydraulic components. Cat BIO HYDO Advanced HEES™ is fully decomposed by soil or water microorganisms, providing a more environmentally sound alternative to mineral-based oils.

Fewer Leaks and Spills

Lubricant fillers and drains are designed to minimize spills. Cat O-Ring Face Seals, Cat XT™ Hose and hydraulic cylinders are all designed to help prevent fluid leaks that can reduce the machine performance and cause harm to the environment.

Longer Service Intervals

Working closely with your Cat dealer can help extend service intervals for engine oil, hydraulic oil, axle oil and coolant. Meaning fewer required fluids and fewer disposal, all adding up to lower operating costs.

Operator Comfort

The interior layout maximizes operator space, provides exceptional comfort and reduces operator fatigue.



Interior Operator Station

Improved visibility and ergonomics are some of the many new features of the D Series Wheel Excavators. The operator station provides maximum space and is designed for simplicity and functionality. Frequently used switches are centralized and are situated on the right-hand switch console. The left-hand seat console controls dozer blade and/or outriggers, and is tiltable for easy access to the cab. The fully automatic climate control adjusts temperature and air flow for exceptional operator comfort. Other comfort features include a cigar lighter, ashtray, cup/can holder, magazine rack and integrated mobile phone holder.

Cab Construction

The exterior design uses thick steel tubing along the bottom perimeter of the cab, improving the resistance to fatigue and vibration. This design allows the falling object guards to be bolted directly to the cab. The cab shell is attached to the frame with rubber mounts that limit vibration and sound transmitted from the frame, substantially reducing interior noise levels.

Viewing Area

To maximize visibility, all glass is affixed directly to the cab, eliminating the use of window frames. Choice of fixed or easy-to-open split front windshield meet operator preference and application conditions.

- The 70/30 split front windshield stores the upper portion above the operator. The lower front windshield features a rounded design to maximize downward visibility and improves wiper coverage. Also features the one-touch action release system.
- The fixed front windshield is high impact resistant laminated glass.
- A large skylight provides superb upward visibility. The retractable sunscreen blocks direct sunlight.

Heated Mirrors

Another new feature is electrically heated mirrors, increasing safety and visibility in cold conditions.

Wipers

The parallel wiper system maximizes visibility in poor weather conditions. The wiper virtually covers the entire front windshield, cleaning the operator's immediate line of sight.

Monitor

The new compact color monitor displays information in local language that is easy to read and understand. Functions include:

- 2 times 5 programmable “Quick Access” buttons for one-touch selection of favorite functions.
- Filter and oil change warnings are displayed when the number of hours reaches the maintenance interval.
- Tool select function allows the operator to select up to 10 predefined hydraulic work tools.
- Adjustable braking characteristics enable the operator to select three levels of travel motor retarder aggressiveness when releasing the travel pedal.
- Provides a rear camera view that is activated through the monitor menu.



Deluxe Seat

The optional deluxe seat, equipped with an active seat climate system, improves operator comfort. Cooled air flows through the seat cushions to reduce body perspiration. On cold days, a two-step seat heater keeps the operator warm and comfortable. The fully adjustable seat with adjustable lumbar support automatically adjusts to the driver's weight providing a more relaxed and comfortable environment.



Lunch Box

A large storage compartment is located behind the operator's seat. The compartment provides sufficient room to store items such as a lunch box. A cover secures the contents during machine operation.



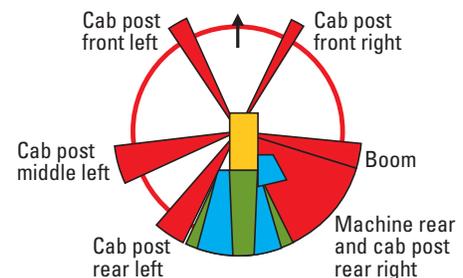
Foot Pedals

Two-way pedals for travel and auxiliary circuits provide increased floor space, reducing the need to change positions. The foot pedal for auxiliary high-pressure circuit can be locked in the off position and used as a footrest for greater operator comfort.

Cat Standard Rearview Camera

The rearview camera displays on the operator monitor. Together with the best in class visibility to the front, up, left and right, the rearview camera ensures the safe operation of the machine and fulfills the requirements of ISO 5006/EN474.

Field of Vision



Legend:

Red: limitations due to cab post and/or boom

Blue: additional visibility due to mirrors

Green: additional visibility due to rearview camera



Undercarriage

Undercarriage and axle design provides maximum strength, flexibility and mobility on wheels.

Increased Travel Speed

The maximum travel speed for the M318D is 37 km/h (23 mph), reducing travel time between sites and increasing productivity.

Heavy-Duty Axles and Stabilizers

The D Series Wheel Excavator undercarriage provides rigidity and long life. Effective hydraulic line routing, transmission protection and heavy-duty axles make the undercarriage perfect for wheel excavator applications. The front axle offers wide oscillating and steering angles. The transmission is mounted directly on the rear axle for protection and optimum ground clearance.

Advanced Disc Brake System

The disc brake system acts directly on the hub instead of the drive shaft to avoid planetary gear backlash. This solution minimizes the rocking effect associated with working free on wheels. The axle design lowers maintenance and lifetime costs. Oil change intervals are at 2,000 working hours, further reducing owning and operating costs.

Fenders

The optional fenders provide excellent coverage of the front and rear tires, protecting the machine from mud and dirt. Water cannot splash up on the windscreen or cooler. The fenders further protect the machine from stones and debris being thrown up by the tires, providing additional safety for the machine, other vehicles and personnel working close to the excavator.

Booms and Sticks

Designed for maximum flexibility to keep production high on all jobs.

Design

Booms and sticks are welded, box section structures with thick, multiplate fabrications in high stress areas, for rugged performance and long service life.

Flexibility

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

Variable Adjustable (VA) Boom

The VA boom offers improved right side visibility and machine roading balance. When working in tight quarters or lifting heavy loads, the VA boom offers the best performance.

One-Piece Boom

The 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.

Sticks

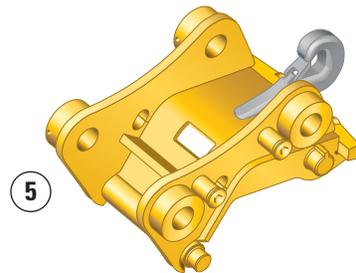
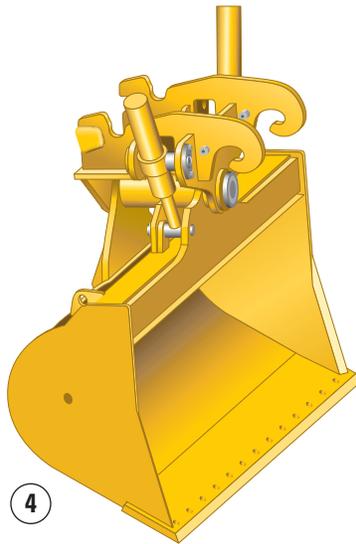
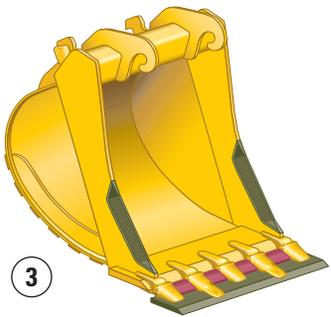
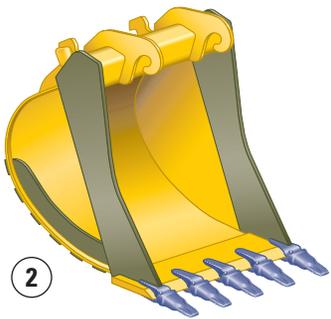
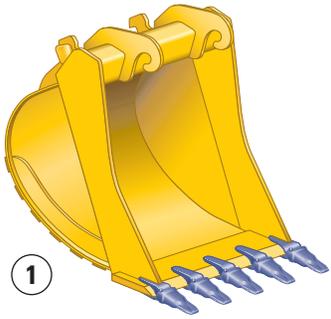
Four different stick lengths are offered to match different application requirements:

- Short stick (2200 mm [7 ft 3 in]) for maximum breakout force and lifting capability.
- Medium stick (2500 mm [8 ft 3 in]) for greater crowd force and lift capacity.
- Long stick (2800 mm [9 ft 3 in]) for greater depth and reach requirements.
- Industrial stick (3300 mm [10 ft 10 in]) for use with free-swinging grapples in material handling and industrial applications.



Work Tools

A wide variety of Work Tools help optimize machine performance.



Work Tools

Cat work tools are designed to function as an integral part of your excavator and to provide the best possible performance in your particular application. All work tools are performance-matched to Cat machines.

Quick Couplers

Quick Couplers enable the operator to simply release one work tool and connect to another, making your hydraulic excavator highly versatile. Productivity also increases, as a carrier no longer needs to be idle between jobs. Caterpillar offers hydraulic and spindle quick coupler versions.

Buckets

Caterpillar offers a wide range of specialized buckets, each designed and tested to function as an integral part of your excavator. Buckets feature the new Cat K Series™ Ground Engaging Tools.

- 1 **Excavation (X)**
- 2 **Extreme Excavation (EX)**
- 3 **Excavation Leveling**
- 4 **Ditch Cleaning**
- 5 **Quick Coupler**

Purpose designed and built to Caterpillar's high durability standards.

Hammers

Cat® hammer series deliver very high blow rates, increasing the productivity of your tool carriers in demolition and construction applications. Wide oil flow acceptance ranges make the Cat hammers suitable for a wide range of carriers and provide a system solution from one safe source.

Orange Peel Grapples

The Orange Peel Grapple is constructed of high-strength, wear-resistant steel, with a low and compact design that makes it ideal for dump clearance. There are several choices of tine and shell versions.

Multi-Processors

Thanks to its single basic housing design, the Multi-Processor series of hydraulic demolition equipment makes it possible to use a range of jaw sets that can handle any demolition job. The Multi-Processor is the most versatile demolition tool on the market.

Vibratory Plate Compactors

Cat compactors are performance-matched to Cat machines, and integrate perfectly with the Cat hammer line – brackets and hydraulic kits are fully interchangeable between hammers and compactors.

Shears

Cat shears provide superior and effective scrap processing, and are highly productive in demolition environments. Shears are compatible with a matching Cat excavator, and bolt-on brackets are available for either stick or boom-mounted options.



Serviceability and Complete Customer Support



Ground Level Maintenance

Caterpillar designed its D Series Wheel Excavators with the operator and service technician in mind. Gull-wing doors, with pneumatically-assisted lift cylinders, effortlessly lift up to allow critical maintenance to be performed quickly and efficiently while maintaining operator safety.

Extended Service Intervals

The D Series Wheel Excavator service and maintenance intervals have been extended to reduce machine service time, increase machine availability and reduce operating costs. Using S·O·SSM Scheduled Oil Sampling analysis, hydraulic oil change intervals can be extended up to 6,000 hours.

Engine Oil

Cat engine oil is formulated to optimize engine life and performance. The specially formulated oil is more cost effective and increases engine oil change interval to 500 hours, providing industry leading performance and savings.

Air Filters

Cat air filters eliminate the use of service tools, reducing maintenance time. The air filter features a double-element construction with wall flow filtration in the main element and built-in mini-cyclone precleaners for superior cleaning efficiency. The air filters are constantly monitored for optimum performance. If airflow becomes restricted, a warning is displayed by the way of the in-cab monitor.

Capsule Filter

The hydraulic return filter, a capsule filter, prevents contaminants from entering the system when the hydraulic oil is changed.

Fuel Filters

Cat high efficiency fuel filters with a Stay-Clean ValveTM features a special media that removes more than 98% of particles, increasing fuel injector life. Both the primary and secondary fuel filters are located in the engine compartment and can be easily changed from ground level.

Water Separator

The D Series is equipped with a primary fuel filter with water separator located in the engine compartment. For ease of service, the water separator can be easily accessed from ground level.

Fuel Tank Drain

The durable, corrosion-free tank has a remote drain located at the bottom of the upper frame to remove water and sediment. The tank drain with hose connection allows simple, spill-free fluid draining.

Simplified and easy maintenance save you time and money. Cat[®] dealer services help you operate longer with lower costs.

Front Compartment

The front compartment hood can be opened vertically, providing outstanding ground level access to the batteries, air-to-air aftercooler, air conditioner condenser and the engine air filter.

Swing-out Air Conditioner Condenser

The air conditioning condenser swings out horizontally to allow complete cleaning on both sides as well as excellent access to the air-to-air aftercooler.

Scheduled Oil Sampling

Caterpillar has specially developed S-O-SSM Oil Sampling Analysis to help ensure better performance, longer life and increased customer satisfaction. This thorough and reliable early warning system detects traces of metals, dirt and other contaminants in your engine, axle and hydraulic oil. It can predict potential trouble avoiding costly failures. Your Cat dealer can give you results and specific recommendations shortly after receiving your sample.

Engine Inspection

The engine can be accessed from both ground level and the upper structure. The longitudinal layout ensures that all daily inspection items can be accessed from ground level.

Anti-Skid Plates

They cover the top of the steps and upper structure to help prevent slipping during maintenance. The Anti-Skid plates reduce the accumulation of mud on the upper structure, improving the cleanliness and safety.

Easy to Clean Coolers

Flat fins on all coolers reduce clogging, making it easier to remove debris. The main cooling fan and air conditioner condenser are both hinged for easier cleaning.

Remote Greasing Blocks

For those hard to reach locations, greasing blocks have been provided to reduce maintenance time.

Handrails and Steps

Large handrails and steps assist the operator in climbing on and off the machine.

LED Rear Lights

Standard Light Emitting Diode (LED) rear lights provide increased visibility on the job site, higher durability and longer life.



Versatility

A wide variety of optional factory-installed attachments are available to enhance performance and improve job site management.



Tool Control

The integrated Tool Control system allows the operator to select up to 10 preset combinations. This eliminates the need to reset the hydraulic parameters each time a tool is changed. Individual flow and pressure can be programmed easily as well as one-way/two-way hydraulic functions. Each of the ten-programmed tools can even be given a specific name. The unique Cat proportional sliding switches and optional auxiliary pedal provide modulation to the tool to make precision work easy.

Joystick Steering

The unique joystick steering option enables an operator to reposition the machine while traveling in first gear by the use of the slider switch on the right joystick. This enables the operator to keep both hands on the joysticks while simultaneously moving the implements and traveling. The operator can do more precise work faster with increased safety around the machine.

Working and Travel Modes

There are 2 selectable working modes and one automatic travel setting. The operator can choose the best power setting for both engine and hydraulic power versus fuel efficiency.

- Economy Mode – used for lifting, pipe setting, grading, slope finishing and precise work while reducing fuel consumption.
- Power Mode – used for normal truck loading and digging applications, trenching or hammer use.
- Travel Mode – automatically set when the travel pedal is actuated. It provides maximum speed and drawbar pull.

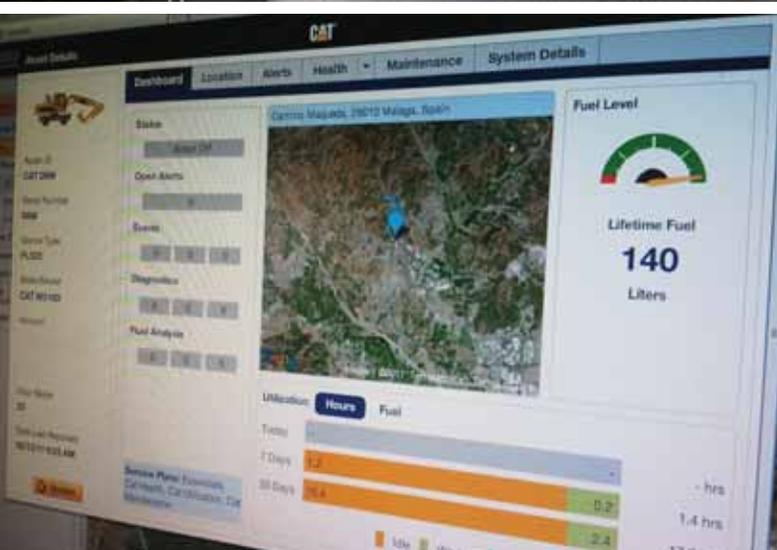
Product Link

Product Link allows remote monitoring of the machine, using a powerful telemetric system to transmit needed information to the customer and the dealer via a secure, web-based application, VisionLink™.

Critical information, such as event and diagnostic codes, is readily accessible, as are machine statistics, such as hour-meter reading, fuel consumption and idle time. Mapping functions include location and geo-fencing, which assist in servicing operations and in preventing unauthorized machine use. With Product Link, the customer and the dealer have an invaluable tool for more efficiently managing machines and fleets.

Ride Control

The ride control system improves operator comfort and allows the machine to travel faster over rough terrain with improved ride quality for the operator. The ride control system features accumulators acting as shock absorbers to dampen the front part motion. Ride control can be activated through a button located on the soft switch panel in the cab.



M318D Wheel Excavator Specifications

Engine

Engine Model	Cat® C6.6 with ACERT™ Technology	
Ratings	1,800 rpm	
Gross Power	130 kW	174 hp
Net Power		
ISO 9249	124 kW	166 hp
80/1269/EEC	124 kW	166 hp
Bore	105 mm	4.13 in
Stroke	127 mm	5 in
Displacement	6.6 L	403 in ³
Cylinders	6	
Maximum Torque at 1,400 rpm	805 N·m	596 lb ft

- EPA Tier 3 compliant.
- Full engine net power up to 3000 m (1.86 mi) altitude.

Hydraulic System

Tank Capacity	170 L	45 gal
System	255 L	67 gal
Maximum Pressure		
Implement Circuit		
Normal	350 bar	5,076 psi
Heavy Lift	375 bar	5,439 psi
Travel Circuit	350 bar	5,076 psi
Auxiliary Circuit		
High Pressure	350 bar	5,076 psi
Medium Pressure	185 bar	2,683 psi
Swing Mechanism	310 bar	4,496 psi
Maximum Flow		
Implement/ Travel Circuit	290 L/min	77 gal/min
Auxiliary Circuit		
High Pressure	250 L/min	66 gal/min
Medium Pressure	50 L/min	13 gal/min
Swing Mechanism	112 L/min	30 gal/min

Weights

VA Boom*		
Rear Dozer Only	17 850 kg	39,353 lb
Rear Dozer, Front Outriggers	18 900 kg	41,667 lb
Front and Rear Outriggers	19 100 kg	42,108 lb
One-Piece Boom*		
Rear Dozer Only	17 350 kg	38,250 lb
Rear Dozer, Front Outriggers	18 350 kg	40,455 lb
Front and Rear Outriggers	18 550 kg	40,896 lb
Sticks		
Short – 2200 mm (7'3")	550 kg	1,213 lb
Medium – 2500 mm (8'3")	580 kg	1,279 lb
Long – 2800 mm (9'3")	600 kg	1,323 lb
Industrial – 3300 mm (9'3")	520 kg	1,146 lb
Dozer Blade	740 kg	1,700 lb
Outriggers	1030 kg	2,270 lb
Counterweight	4000 kg	8,810 lb

- Machine weight with medium stick, 4000 kg (8,810 lb) counterweight, with operator and full fuel tank, without work tool. Weight varies depending on configuration.

Transmission

Forward/Reverse		
1st Gear	8 km/h	5 mph
2nd Gear	37 km/h	23 mph
Creeper Speed		
1st Gear	3 km/h	2 mph
2nd Gear	13 km/h	8 mph
Drawbar Pull	99 kN	22,300 lb
Maximum Gradeability	60%	

Swing Mechanism

Swing Speed	10.5 rpm	
Swing Torque	48 kN·m	35,403 lb ft

Tires

Standard		
• 10.00-20 (dual pneumatic)		
Optional		
• 11.00-20 (dual pneumatic)		
• 18 R 19.5 XF (single pneumatic)		
• 10.00-20 (dual solid rubber)		

Undercarriage

Ground Clearance	370 mm	15 in
Maximum Steering Angle	35°	
Oscillation	± 9°	
Axle Angle		
Minimum Turning Radius		
Standard Axle		
Outside of Tire	6400 mm	21 ft
End of VA Boom	7000 mm	23 ft
End of One-Piece Boom	8300 mm	27 ft
Wide Axle		
Outside of Tire	6500 mm	21 ft
End of VA Boom	7100 mm	23 ft
End of One-Piece Boom	8500 mm	28 ft

Service Refill Capacities

Fuel Tank	385 L	102 gal
Cooling	36 L	9.5 gal
Engine Crankcase	15 L	4 gal
Rear Axle Housing (differential)	14 L	3.7 gal
Front Steering Axle (differential)	10.5 L	2.8 gal
Final Drive	2.5 L	0.7 gal
Powershift Transmission	2.5 L	0.7 gal

Sound Levels

Exterior Sound	
• The labeled spectator sound power level measured according to the test procedures and conditions specified in 2000/14/EC is 103 dB(A).	

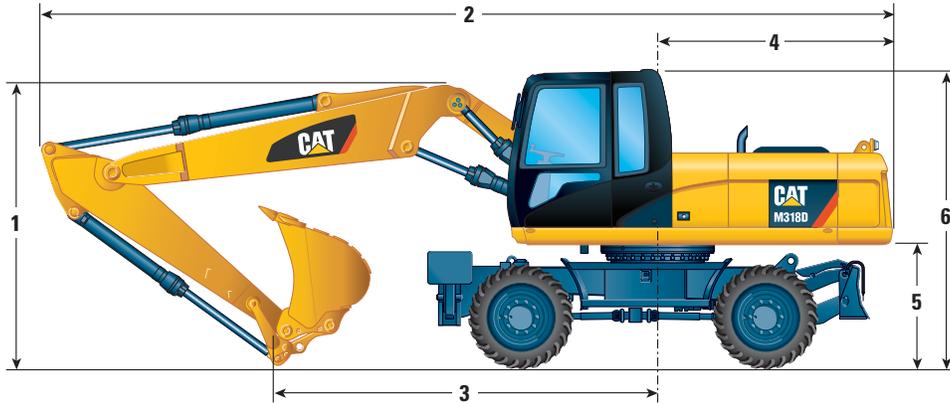
Cab/ROPS/FOGS

- Cat cab with integrated Roll Over Protective Structure (ROPS) meets ISO 12117-2:2008 criteria.
- Cab with Falling Object Guard Structure (FOGS) meets ISO 10262.

M318D Wheel Excavator Specifications

Dimensions

All dimensions are approximate.

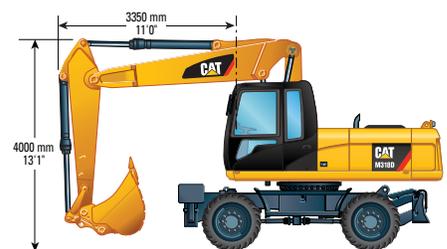
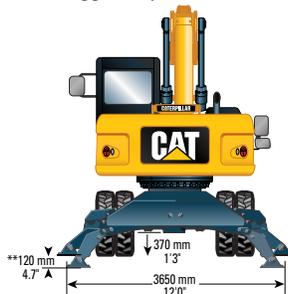
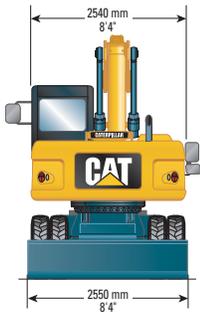


		VA Boom				One-Piece Boom			
Stick Length	mm (ft/in)	2200 (7'3")	2500 (8'3")	2800 (9'3")	*3300 (10'10")	2200 (7'3")	2500 (8'3")	2800 (9'3")	*3300 (10'10")
1 Shipping Height	mm (ft/in)	3170 (10'5")	3170 (10'5")	3300 (10'10")	3330 (10'11")	3190 (10'6")	3210 (10'6")	3330 (10'11")	3290 (10'10")
2 Shipping Length	mm (ft/in)	8870 (29'1")	8550 (28'6")	8820 (28'11")	8850 (29'0")	8870 (29'1")	8960 (29'5")	8950 (29'4")	9000 (29'6")
3 Support Point	mm (ft/in)	3920 (12'10")	3650 (12'0")	3510 (11'6")	3270 (10'9")	3810 (12'6")	3490 (11'5")	3310 (10'10")	3080 (10'1")
4 Tail Swing Radius	mm (ft/in)	2565 (8'5")				2565 (8'5")			
5 Counterweight Clearance	mm (ft/in)	1275 (4'2")				1275 (4'2")			
6 Cab Height	mm (ft/in)	3170 (10'5")				3170 (10'5")			
With 1200 mm (4 ft) Fixed Cab Riser	mm (ft/in)	4370 (14'4")				4370 (14'4")			
Overall Machine Width	mm (ft/in)	2550 (8'4")				2550 (8'4")			
Wide Gauge Axle	mm (ft/in)	2750 (9'0")				2750 (9'0")			

* Industrial stick

** Maximum tire clearance with outrigger fully down

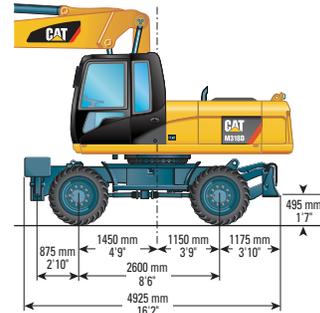
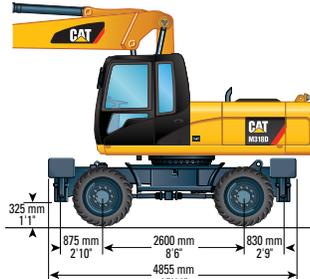
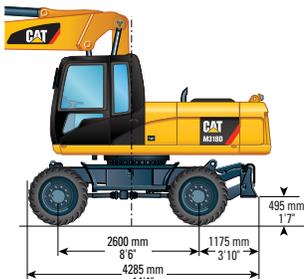
Roading position with 2400 mm stick



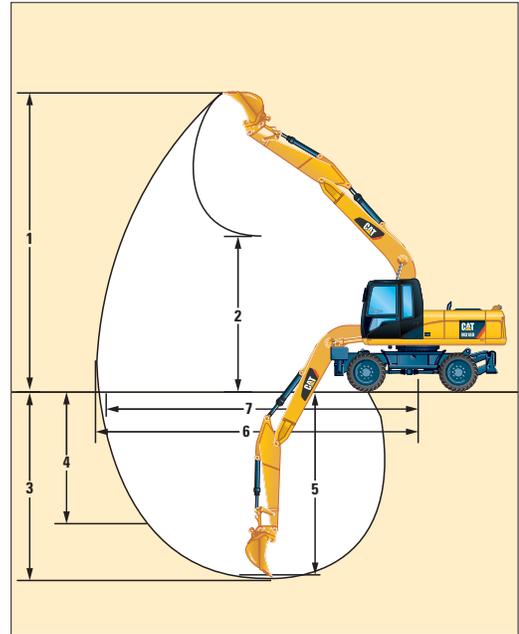
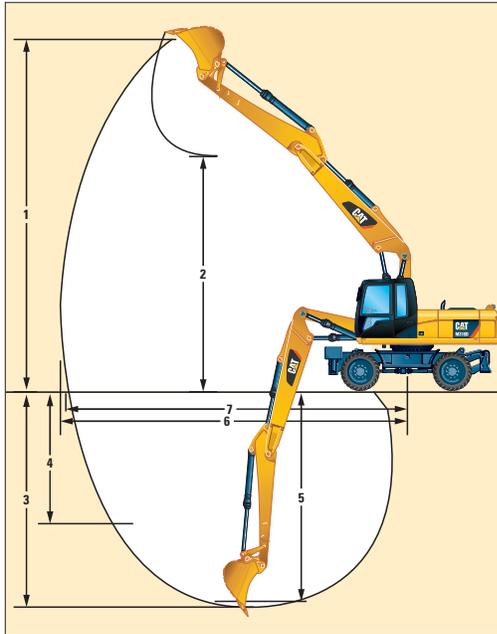
Undercarriage with dozer only

Undercarriage with 2 sets of outriggers

Undercarriage with 1 set of outriggers and dozer



Working Ranges



		VA Boom				One-Piece Boom			
		2200 (7'3")	2500 (8'3")	2800 (9'3")	*3300 (10'10")	2200 (7'3")	2500 (8'3")	2800 (9'3")	*3300 (10'10")
Stick Length	mm (ft/in)								
1 Digging Height	mm (ft/in)	9710 (31'11")	10 000 (32'10")	10 210 (33'6")	8620 (28'3")	8760 (28'9")	9010 (29'7")	9170 (30'1")	7560 (24'10")
2 Dump Height	mm (ft/in)	6700 (22'0")	6970 (22'11")	7190 (23'7")	3550 (12'4")	5900 (19'4")	6110 (20'1")	6270 (20'7")	3140 (10'4")
3 Digging Depth	mm (ft/in)	5750 (18'11")	6060 (19'11")	6360 (20'11")	5320 (17'6")	5700 (18'9")	6000 (19'8")	6300 (20'7")	5250 (17'3")
4 Vertical Wall Digging Depth	mm (ft/in)	3220 (10'7")	3680 (12'1")	3960 (13'0")	–	2880 (9'5")	3340 (11'0")	3620 (11'11")	–
5 Depth 2.5 m (8'3") Straight Clean-Up	mm (ft/in)	5538 (18'2")	5865 (19'3")	6179 (20'4")	–	5488 (18'0")	5805 (19'1")	6119 (20'1")	–
6 Reach	mm (ft/in)	9160 (30'1")	9470 (31'1")	9760 (32'1")	8490 (27'11")	9180 (30'2")	9490 (31'2")	9770 (32'1")	8470 (27'10")
7 Reach at Ground Level	mm (ft/in)	8970 (29'6")	9300 (30'7")	9590 (31'6")	8290 (27'3")	9000 (29'7")	9320 (30'7")	9600 (31'6")	8270 (27'2")
Bucket Forces (ISO 6015)	kN (lbf)	126 (28,326)	126 (28,326)	126 (28,326)	–	126 (28,326)	126 (28,326)	126 (28,326)	–
Stick Forces (ISO 6015)	kN (lbf)	102 (22,931)	91 (20,458)	85 (19,109)	–	102 (22,931)	91 (20,458)	85 (19,109)	–

* Industrial stick has no bucket linkage. All dimensions refer to sticknose.

Values 1-7 are calculated with bucket and quick coupler with a tip radius of 1599 mm (5'3").

Breakout force values are calculated with heavy lift on (no quick coupler) and a tip radius of 1405 mm (4'7").

M318D Wheel Excavator Specifications

Bucket Specifications

Contact your Cat dealer for special bucket requirements.

Pin-On Buckets								Variable Adjustable Boom 5260 mm (17'3")												
Stick Length								2200 mm (7'3")				2500 mm (8'3")				2800 mm (9'3")				
	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	
	mm	in	kg	lb	m ³	yd ³														
Excavation	600	24	478	1,054	0.38	0.50	3													
	750	30	507	1,118	0.52	0.68	3													
	900	35	568	1,252	0.65	0.85	4													
	1000	39	602	1,327	0.75	0.98	4													
	1100	43	634	1,398	0.84	1.10	4													
	1200	47	678	1,495	0.94	1.23	5													
	1300	51	710	1,566	1.03	1.35	5													
	1400	55	744	1,641	1.13	1.48	5													
Extreme Excavation	1200	47	712	1,570	0.94	1.23	5													
	1300	51	745	1,643	1.03	1.35	5													
Excavation (leveling)	600	24	514	1,133	0.41	0.54	3													
	750	30	544	1,200	0.56	0.73	3													
	800	31	582	1,283	0.61	0.80	4													
	900	35	611	1,347	0.70	0.92	4													
	1000	39	651	1,435	0.82	1.07	4													
	1100	43	687	1,515	0.92	1.20	4													
	1200	47	740	1,632	1.04	1.36	5													
	1300	51	777	1,713	1.14	1.49	5													
	1400	55	813	1,793	1.26	1.65	5													
Extreme Excavation (leveling)	1200	47	772	1,702	1.04	1.36	5													
	1300	51	809	1,784	1.14	1.49	5													
Ditch Cleaning	1800	71	630	1,389	0.90	1.18														
	2000	79	685	1,510	1.00	1.31														
Tilttable Ditch Cleaning	1800	71	875	1,929	0.75	0.98														
	2000	79	912	2,011	0.84	1.10														

* Bucket weight includes Ground Engaging Tools

	Maximum material density 1800 kg/m ³ (3,000 lb/yd ³)		Maximum material density 1200 kg/m ³ (2,000 lb/yd ³)
	Maximum material density 1500 kg/m ³ (2,500 lb/yd ³)		Not recommended

Bucket Specifications

Contact your Cat dealer for special bucket requirements.

Pin-On Buckets								One-Piece Boom 5350 mm (17'7")												
Stick Length								2200 mm (7'3")				2500 mm (8'3")				2800 mm (9'3")				
	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	
	mm	in	kg	lb	m ³	yd ³														
Excavation	600	24	478	1,054	0.38	0.50	3													
	750	30	507	1,118	0.52	0.68	3													
	900	35	568	1,252	0.65	0.85	4													
	1000	39	602	1,327	0.75	0.98	4													
	1100	43	634	1,398	0.84	1.10	4													
	1200	47	678	1,495	0.94	1.23	5													
	1300	51	710	1,566	1.03	1.35	5													
	1400	55	744	1,641	1.13	1.48	5													
Extreme Excavation	1200	47	712	1,570	0.94	1.23	5													
	1300	51	745	1,643	1.03	1.35	5													
Excavation (leveling)	600	24	514	1,133	0.41	0.54	3													
	750	30	544	1,200	0.56	0.73	3													
	800	31	582	1,283	0.61	0.80	4													
	900	35	611	1,347	0.70	0.92	4													
	1000	39	651	1,435	0.82	1.07	4													
	1100	43	687	1,515	0.92	1.20	4													
	1200	47	740	1,632	1.04	1.36	5													
	1300	51	777	1,713	1.14	1.49	5													
	1400	55	813	1,793	1.26	1.65	5													
Extreme Excavation (leveling)	1200	47	772	1,702	1.04	1.36	5													
	1300	51	809	1,784	1.14	1.49	5													
Ditch Cleaning	1800	71	630	1,389	0.90	1.18														
	2000	79	685	1,510	1.00	1.31														
Tiltable Ditch Cleaning	1800	71	875	1,929	0.75	0.98														
	2000	79	912	2,011	0.84	1.10														

* Bucket weight includes Ground Engaging Tools

	Maximum material density 1800 kg/m ³ (3,000 lb/yd ³)		Maximum material density 1200 kg/m ³ (2,000 lb/yd ³)
	Maximum material density 1500 kg/m ³ (2,500 lb/yd ³)		Not recommended

M318D Wheel 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.

Without Quick Coupler		Variable Adjustable Boom 5260 mm (17'3")												One-Piece Boom 5350 mm (17'7")											
		Dozer lowered				2 sets of stabilizers lowered				Dozer and stabilizer lowered				Dozer lowered				2 sets of stabilizers lowered				Dozer and stabilizer lowered			
		2200	2500	2800	3300	2200	2500	2800	3300	2200	2500	2800	3300	2200	2500	2800	3300	2200	2500	2800	3300	2200	2500	2800	3300
		7'3"	8'3"	9'3"	10'10"	7'3"	8'3"	9'3"	10'10"	7'3"	8'3"	9'3"	10'10"	7'3"	8'3"	9'3"	10'10"	7'3"	8'3"	9'3"	10'10"	7'3"	8'3"	9'3"	10'10"
Hammers	H115 S, H120C S, H130 S																								
Multiprocessors	MP15	CC, CR	Red																						
	MP15	PP, PS																							
	MP15	S	Red	Red																					
	MP20	CC, CR																							
	MP20	PP, PS, S																							
Hydraulic Shears (* boom mounted)	S320B																								
	S320B*																								
	S325B*																								
Compactor	CVP75																								
GSH15B 4 tines	400 L (0.53 yd³)		Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue
	500 L (0.66 yd³)		Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue
	600 L (0.79 yd³)		Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue
	800 L (1.05 yd³)		Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue
	600 L (0.79 yd³)		Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue
	800 L (1.05 yd³)		Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue
	1000 L (1.3 yd³)		Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue
GSH20B 4 tines	600 L (0.79 yd³)		Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue
	800 L (1.05 yd³)		Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue
	1000 L (1.3 yd³)		Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue

Green: 360° Working Range
 Red: Over the front only

Dark Blue: Maximum material density 3000 kg/m³ (5,000 lb/yd³)
 Light Blue: Maximum material density 1800 kg/m³ (3,000 lb/yd³)
 Yellow: Maximum material density 1200 kg/m³ (2,000 lb/yd³)

Lift Capacities – Variable Adjustable Boom (5260 mm [17'3"])

All values are without bucket and without QC, with counterweight (4000 kg [8,810 lb]), heavy lift on.

Short Stick 2200 mm (7'3")	Undercarriage configuration	3.0 m			4.5 m			6.0 m			7.5 m			Load point height			m
		Load at maximum reach (sticknose/bucket pin)	Load over front	Load over rear	Load over side	Load at maximum reach (sticknose/bucket pin)	Load over front	Load over rear	Load over side	Load at maximum reach (sticknose/bucket pin)	Load over front	Load over rear	Load over side	Load at maximum reach (sticknose/bucket pin)	Load over front	Load over rear	
6.0 m	Rear dozer up	kg			*6700	5800	5050	5050	3600	3150				*4350	3300	2900	6.25
	Rear dozer down	kg			*6700	5750			*5750	3600					*4350	3300	
	Dozer and stabilizer down	kg			*6700	*6700			*5750	5300					*4350	*4350	
	2 sets of stabilizers down	kg			*6700	*6700	*6700	*5750	*5750	*5750					*4350	*4350	
	Wide axle rear dozer up	kg			5800	5500	5500		3600	3450					3350	3200	
4.5 m	Rear dozer up	kg			*7650	5500	4800	4950	3500	3050				3800	2650	2300	7.07
	Rear dozer down	kg			*7650	5500			*6350	3500					*4150	2650	
	Dozer and stabilizer down	kg			*7650	*7650			*6350	5200					*4150	3950	
	2 sets of stabilizers down	kg			*7650	*7650	*7650	*6350	*6350	6050					*4150	*4150	
	Wide axle rear dozer up	kg			5550	5250			3500	3350					2650	2550	
3.0 m	Rear dozer up	kg			7400	5050	4350	4800	3350	2900				3400	2350	2050	7.50
	Rear dozer down	kg			*9100	5050			*6900	3350					*4200	2350	
	Dozer and stabilizer down	kg			*9100	7800			*6900	5000					*4200	3550	
	2 sets of stabilizers down	kg			*9100	*9100	*9100	*6900	*6900	5850					*4200	4100	
	Wide axle rear dozer up	kg			5100	4800			3350	3200					2350	2250	
1.5 m	Rear dozer up	kg			6950	4700	4000	4600	3150	2700	3300	2300	2000	3250	2250	1950	7.59
	Rear dozer down	kg			*10 150	4650			3150						*4500	2250	
	Dozer and stabilizer down	kg			*10 150	7350			7250	4800					*4500	3400	
	2 sets of stabilizers down	kg			*10 150	8750		*7400	*7400	5650	*5600	5250	4050	*4500	*4500	3950	
	Wide axle rear dozer up	kg			4700	4400			3150	3000			2300	2200	2250	2150	
0.0 m	Rear dozer up	kg			6750	4500	3800	4450	3050	2600				3350	2300	2000	7.38
	Rear dozer down	kg			*10 150	4450			7000	3050					*5050	2300	
	Dozer and stabilizer down	kg			*10 150	7150			7100	4700					*5050	3500	
	2 sets of stabilizers down	kg			*10 150	8500		*7450	7250	5500					*5050	4100	
	Wide axle rear dozer up	kg			4500	4250			3050	2900					2300	2200	
-1.5 m	Rear dozer up	kg	*10 300	8500	6950	6750	4450	3800	4450	3000	2600			3750	2550	2200	6.81
	Rear dozer down	kg	*10 300	8350		*9200	4450		*6800	3000					*5550	2550	
	Dozer and stabilizer down	kg	*10 300	*10 300	*10 300	*9200	7100		*6800	4650					*5550	3950	
	2 sets of stabilizers down	kg	*10 300	*10 300	*10 300	*9200	8500		*6800	5450					*5550	4600	
	Wide axle rear dozer up	kg	8500	7850		4500	4200		3000	2850					2550	2450	
-3.0 m	Rear dozer up	kg			6850	4600	3900							4750	3250	2800	5.80
	Rear dozer down	kg			*7200	4550									*5000	3250	
	Dozer and stabilizer down	kg			*7200	*7200									*5000	*5000	
	2 sets of stabilizers down	kg			*7200	*7200									*5000	*5000	
	Wide axle rear dozer up	kg			4600	4300									3250	3100	

Short Stick 2200 mm (7'3")	Undercarriage configuration	10.0 ft			15.0 ft			20.0 ft			25.0 ft			Load point height			ft
		Load at maximum reach (sticknose/bucket pin)	Load over front	Load over rear	Load over side	Load at maximum reach (sticknose/bucket pin)	Load over front	Load over rear	Load over side	Load at maximum reach (sticknose/bucket pin)	Load over front	Load over rear	Load over side	Load at maximum reach (sticknose/bucket pin)	Load over front	Load over rear	
20.0 ft	Rear dozer up	lb			*14,600	12,500	10,900	10,800	7,700	6,700				*9,600	7,500	6,500	20.28
	Rear dozer down	lb			*14,600	12,400			*10,900	7,700					*9,600	7,500	
	Dozer and stabilizer down	lb			*14,600	*14,600			*10,900	*10,900					*9,600	*9,600	
	2 sets of stabilizers down	lb			*14,600	*14,600	*14,600	*10,900	*10,900	*10,900					*9,600	*9,600	
	Wide axle rear dozer up	lb			12,500	11,900			7,700	7,300					7,500	7,100	
15.0 ft	Rear dozer up	lb			*16,500	11,900	10,300	10,700	7,600	6,600				8,400	5,900	5,100	23.10
	Rear dozer down	lb			*16,500	11,800			*13,900	7,600					*9,200	5,900	
	Dozer and stabilizer down	lb			*16,500	*16,500			*13,900	11,200					*9,200	8,800	
	2 sets of stabilizers down	lb			*16,500	*16,500	*16,500	*13,900	*13,900	13,000					*9,200	*9,200	
	Wide axle rear dozer up	lb			11,900	11,300			7,600	7,200					5,900	5,700	
10.0 ft	Rear dozer up	lb			15,900	10,900	9,400	10,300	7,200	6,300				7,500	5,200	4,500	24.57
	Rear dozer down	lb			*19,600	10,900			*15,000	7,200					*9,300	5,200	
	Dozer and stabilizer down	lb			*19,600	16,800			*15,000	10,800					*9,300	7,900	
	2 sets of stabilizers down	lb			*19,600	*19,600	*19,600	*15,000	*15,000	12,600					*9,300	9,100	
	Wide axle rear dozer up	lb			11,000	10,400			7,200	6,900					5,200	5,000	
5.0 ft	Rear dozer up	lb			15,000	10,100	8,600	9,900	6,800	5,900				7,200	4,900	4,300	24.90
	Rear dozer down	lb			*21,900	10,000			15,400	6,800					*9,900	5,000	
	Dozer and stabilizer down	lb			*21,900	15,800			15,600	10,400					*9,900	7,500	
	2 sets of stabilizers down	lb			*21,900	18,800		*16,000	15,900	12,100					*9,900	8,800	
	Wide axle rear dozer up	lb			10,100	9,600			6,800	6,500					5,000	4,700	
0.0 ft	Rear dozer up	lb			14,600	9,700	8,200	9,600	6,600	5,600				7,400	5,100	4,400	24.21
	Rear dozer down	lb			*22,000	9,600			15,000	6,500					*11,100	5,100	
	Dozer and stabilizer down	lb			*22,000	15,400			15,300	10,100					*11,100	7,800	
	2 sets of stabilizers down	lb			*22,000	18,300		*16,100	15,600	11,800					*11,100	9,000	
	Wide axle rear dozer up	lb			9,700	9,200			6,600	6,200					5,100	4,800	
-5.0 ft	Rear dozer up	lb	*23,500	18,200	14,900	14,500	9,600	8,200	9,600	6,500	5,600			8,300	5,700	4,900	22.31
	Rear dozer down	lb	*23,500	17,900		*20,000	9,600		*14,600	6,500					*12,200	5,700	
	Dozer and stabilizer down	lb	*23,500	*23,500	*23,500	*20,000	15,300		*14,600	10,100					*12,200	8,700	
	2 sets of stabilizers down	lb	*23,500	*23,500	*23,500	*20,000	18,200		*14,600	11,800					*12,200	10,100	
	Wide axle rear dozer up	lb	18,200	16,800		9,700	9,100		6,500	6,200					5,700	5,400	
-10.0 ft	Rear dozer up	lb			14,800	9,900	8,400							10,600	7,300	6,200	18.90
	Rear dozer down	lb			*15,400	9,800									*11,000	7,200	
	Dozer and stabilizer down	lb			*15,400	*15,400									*11,000	*11,000	
	2 sets of stabilizers down	lb			*15,400	*15,400									*11,000	*11,000	
	Wide axle rear dozer up	lb			9,900	9,300									7,300	6,900	

*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.

Lift Capacities – Variable Adjustable Boom (5260 mm [17'3"])

All values are without bucket and without QC, with counterweight (4000 kg [8,810 lb]), heavy lift on.

Long Stick 2800 mm (9'3")	Undercarriage configuration	3.0 m			4.5 m			6.0 m			7.5 m			Load point height			m	
		kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg			
6.0 m	Rear dozer up	kg						5200	3700	3250				*2900	2800	2450	6.98	
	Rear dozer down	kg							*5200	3700				*2900	*2900	2800		
	Dozer and stabilizer down	kg							*5200	*5200				*2900	*2900	*2900		
	2 sets of stabilizers down	kg							*5200	*5200	*5200			*2900	*2900	*2900		
	Wide axle rear dozer up	kg							3700	3550				*2900	2850	2700		
4.5 m	Rear dozer up	kg				*6650	5700	4950	5050	3600	3150	3500	2450	2150	*2800	2350	2050	7.72
	Rear dozer down	kg				*6650	*6650	5650		*5900	3600		*3950	2450	*2800	*2800		
	Dozer and stabilizer down	kg				*6650	*6650	*6650		*5900	5300		*3950	3700	*2800	*2800		
	2 sets of stabilizers down	kg				*6650	*6650	*6650		*5900	*5900		*3950	*3950	*2800	*2800		
	Wide axle rear dozer up	kg					5700	5400		3600	3450		2450	2350	*2800	*2800		
3.0 m	Rear dozer up	kg				7600	5250	4500	4850	3400	2950	3450	2400	2100	*2800	2100	1800	8.10
	Rear dozer down	kg					*8450	5200		*6550	3400		*5150	2400	*2800	*2800		
	Dozer and stabilizer down	kg					*8450	8000		*6550	5100		5250	3600	*2800	*2800		
	2 sets of stabilizers down	kg					*8450	*8450		*6550	5900		*5550	5400	*2800	*2800		
	Wide axle rear dozer up	kg					5250	4950		3400	3250		2400	2300	*2800	*2800		
1.5 m	Rear dozer up	kg				7100	4800	4100	4650	3200	2750	3350	2300	2000	2900	2000	1750	8.19
	Rear dozer down	kg					*9800	4750		*7200	3200		*5050	2300	*2950	*2950		
	Dozer and stabilizer down	kg					*9800	7500		*7200	4900		5150	3500	*2950	*2950		
	2 sets of stabilizers down	kg					*9800	8850		*7200	5700		*5800	5250	*2950	*2950		
	Wide axle rear dozer up	kg					4800	4550		3200	3050		2300	2200	*2950	*2950		
0.0 m	Rear dozer up	kg				6800	4550	3850	4500	3050	2600	3250	2250	1950	3000	2050	1750	7.99
	Rear dozer down	kg					*10 250	4500		7000	3050		4950	2250	*3250	*3250		
	Dozer and stabilizer down	kg					*10 250	7200		4700	5100		3450	4200	*3250	*3150		
	2 sets of stabilizers down	kg					*10 250	8550		*7450	7250		5500	4000	*3250	*3250		
	Wide axle rear dozer up	kg					4550	4300		3050	2900		2250	2150	*3250	*2050		
-1.5 m	Rear dozer up	kg	*9050	8350	6800	6700	4450	3750	4400	3000	2550				3250	2250	1900	7.48
	Rear dozer down	kg		*9050	8200		*9700	4400		6950	3000				*3800	2250		
	Dozer and stabilizer down	kg		*9050	*9050		*9700	7100		7050	4650				*3800	3450		
	2 sets of stabilizers down	kg		*9050	*9050		*9700	8450		*7150	5450				*3800	*3800		
	Wide axle rear dozer up	kg		8350	7700		4450	4200		3000	2850				*3800	2250		
-3.0 m	Rear dozer up	kg	*11 150	8500	6950	6750	4500	3800	4450	3000	2600				3950	2700	2300	6.58
	Rear dozer down	kg		*11 150	8400		*8200	4450		*5850	3000				*4850	2700		
	Dozer and stabilizer down	kg		*11 150	*11 150		*8200	7150		*5850	4700				*4850	4150		
	2 sets of stabilizers down	kg		*11 150	*11 150		*8200	*8200		*5850	5500				*4850	*4850		
	Wide axle rear dozer up	kg		8550	7900		4500	4250		3050	2900				*4850	2700		

Long Stick 2800 mm (9'3")	Undercarriage configuration	10.0 ft			15.0 ft			20.0 ft			25.0 ft			Load point height			ft	
		lb	lb	lb	lb	lb												
20.0 ft	Rear dozer up	lb						11,100	8,000	7,000					*6,400	6,300	5,500	22.67
	Rear dozer down	lb							*11,200	7,900					*6,400	*6,400	6,300	
	Dozer and stabilizer down	lb							*11,200	*11,200					*6,400	*6,400	*6,400	
	2 sets of stabilizers down	lb							*11,200	*11,200	*11,200				*6,400	*6,400	*6,400	
	Wide axle rear dozer up	lb							8,000	7,600					*6,400	6,300	6,000	
15.0 ft	Rear dozer up	lb				*14,400	12,300	10,700	10,900	7,800	6,800	*7,100	5,300	4,600	*6,200	5,200	4,500	25.23
	Rear dozer down	lb				*14,400	*14,400	12,200		*12,900	7,700		*7,100	5,300	*6,200	*6,200		
	Dozer and stabilizer down	lb				*14,400	*14,400	*14,400		*12,900	11,400		*7,100	*7,100	*6,200	*6,200		
	2 sets of stabilizers down	lb				*14,400	*14,400	*14,400		*12,900	*12,900		*7,100	*7,100	*6,200	*6,200		
	Wide axle rear dozer up	lb					12,300	11,700		7,800	7,400		5,300	5,100	*6,200	5,200		
10.0 ft	Rear dozer up	lb				16,300	11,300	9,800	10,500	7,400	6,400	7,400	5,200	4,500	*6,200	4,600	4,000	26.57
	Rear dozer down	lb					*18,200	11,200		*14,200	7,300		11,100	5,200	*6,200	*6,200		
	Dozer and stabilizer down	lb					*18,200	17,200		*14,200	11,000		*11,300	7,800	*6,200	*6,200		
	2 sets of stabilizers down	lb				*18,200	*18,200	*18,200		*14,200	12,700		*11,300	9,000	*6,200	*6,200		
	Wide axle rear dozer up	lb					11,300	10,700		7,400	7,000		5,200	4,900	*6,200	4,600		
5.0 ft	Rear dozer up	lb				15,300	10,300	8,800	10,000	6,900	6,000	7,200	5,000	4,300	6,400	4,400	3,800	26.87
	Rear dozer down	lb					*21,200	10,300		15,500	6,900		10,900	5,000	*6,500	4,400		
	Dozer and stabilizer down	lb					*21,200	16,100		*15,600	10,500		11,100	7,600	*6,500	*6,500		
	2 sets of stabilizers down	lb				*21,200	*21,200	19,100		*15,600	12,200		*12,600	11,300	*6,500	*6,500		
	Wide axle rear dozer up	lb					10,400	9,800		6,900	6,600		5,000	4,800	*6,500	4,400		
0.0 ft	Rear dozer up	lb				14,600	9,800	8,300	9,700	6,600	5,700	7,000	4,800	4,200	6,600	4,500	3,900	26.21
	Rear dozer down	lb					*22,200	9,700		15,100	6,600		10,700	4,800	*7,100	*7,100		
	Dozer and stabilizer down	lb					*22,200	15,500		15,300	10,200		10,900	7,400	*7,100	6,900		
	2 sets of stabilizers down	lb				*22,200	*22,200	18,400		*16,100	15,600		*12,500	11,200	*7,100	*7,100		
	Wide axle rear dozer up	lb					9,800	9,200		6,600	6,300		4,800	4,600	*7,100	4,500		
-5.0 ft	Rear dozer up	lb	*20,600	17,900	14,700	14,400	9,600	8,100	9,500	6,400	5,500				7,200	4,900	4,200	24.51
	Rear dozer down	lb		*20,600	17,600		*21,000	9,500		14,900	6,400				*8,400	*8,400		
	Dozer and stabilizer down	lb		*20,600	*20,600		*21,000	15,300		15,100	10,000				*8,400	*8,400		
	2 sets of stabilizers down	lb		*20,600	*20,600		*21,000	18,200		*15,400	11,700				*8,400	*8,400		
	Wide axle rear dozer up	lb		18,000	16,600		9,600	9,100		6,500	6,100				*8,400	4,900		
-10.0 ft	Rear dozer up	lb	*24,100	18,300	15,000	14,600	9,700	8,200	9,600	6,500	5,600				8,800	6,000	5,200	21.46
	Rear dozer down	lb		*24,100	18,000		*17,600	9,600		*12,400	6,500				*10,600	6,000		
	Dozer and stabilizer down	lb		*24,100	*24,100		*17,600	15,400		*12,400	10,100				*10,600	9,200		
	2 sets of stabilizers down	lb		*24,100	*24,100		*17,600	*17,600		*12,400	11,800				*10,600	*10,600		
	Wide axle rear dozer up	lb		18,300	16,900		9,700	9,200		6,600	6,200				*10,600	6,000		

*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.

M318D Wheel Excavator Specifications

Lift Capacities – Variable Adjustable Boom (5260 mm [17'3"])

All values are without bucket and without QC, with counterweight (4000 kg [8,810 lb]), heavy lift on.

Industrial Stick 3300 mm (10'10")	Undercarriage configuration	3.0 m			4.5 m			6.0 m			7.5 m			Load point height			m
		kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg		
6.0 m	Rear dozer up							*4950	4050	3600				*3150	2900	2600	7.31
	Rear dozer down								*4950	4000					*3150	2900	
	Dozer and stabilizer down								*4950	*4950					*3150	*3150	
	2 sets of stabilizers down								*4950	*4950					*3150	*3150	
4.5 m	Wide axle rear dozer up							4050	3850						2950	2800	8.02
	Rear dozer up				*5900	*5900	5300	5400	3950	3500	3850	2800	2450	*3100	2500	2200	
	Rear dozer down								*5800	3900					*3100	2500	
	Dozer and stabilizer down								*5800	5650					*3100	*3100	
3.0 m	2 sets of stabilizers down				*5900	*5900	5900	*5800	*5800	*5800	*4500	*4500	*4500	*3100	*3100	*3100	8.40
	Wide axle rear dozer up								3950	3750					2500	2400	
	Rear dozer up				8000	5650	4950	5200	3750	3300	3750	2700	2400	3150	2250	2000	
	Rear dozer down					*8150	5650		*6550	3750					*3200	2250	
1.5 m	Dozer and stabilizer down					*8150	*8150		*6550	5450					*3200	*3200	8.48
	2 sets of stabilizers down								*6550	6250					*3200	*3200	
	Wide axle rear dozer up					5700	5400		3750	3600					2250	2200	
	Rear dozer up				7550	5200	4500	4950	3550	3100	3650	2600	2300	3050	2200	1900	
0.0 m	Rear dozer down					*9800	5200		*7300	3550					*3400	2200	8.29
	Dozer and stabilizer down								*7300	5200					*3400	3200	
	2 sets of stabilizers down								*7300	6000					*3400	*3400	
	Wide axle rear dozer up								3550	3400					2200	2100	
-1.5 m	Rear dozer up		*7000	*7000	7200	4900	4200	4800	3350	2950	3550	2500	2200	3100	2200	1950	7.79
	Rear dozer down								7350	3350					*3800	2200	
	Dozer and stabilizer down								7450	5050					*3800	3250	
	2 sets of stabilizers down								7600	5850					*3800	3750	
-3.0 m	Wide axle rear dozer up								3400	3200					2200	2100	6.93
	Rear dozer up		*9800	8750	7200	4800	4100	4700	3300	2850	3500	2450	2150	3350	2350	2050	
	Rear dozer down								7250	3250					*4500	2350	
	Dozer and stabilizer down								7350	4950					*4500	3500	
-5.0 m	2 sets of stabilizers down								7500	5750					*4500	4000	6.93
	Wide axle rear dozer up								3300	3150					2350	2250	
	Rear dozer up		*12 950	8850	7250	4800	4100	4700	3250	2850					3900	2750	
	Rear dozer down								*6800	3250					*5450	2750	
-7.0 m	Dozer and stabilizer down								7450	4900					*5450	4100	6.93
	2 sets of stabilizers down								*9200	8800					*5450	4700	
	Wide axle rear dozer up								4800	4550					2750	2600	
	Rear dozer up								3250	3100					4500	4000	

Industrial Stick 3300 mm (10'10")	Undercarriage configuration	10.0 ft			15.0 ft			20.0 ft			25.0 ft			Load point height			ft
		lb	lb	lb	lb	lb	lb	lb	lb	lb	lb	lb	lb	lb	lb		
20.0 ft	Rear dozer up																23.79
	Rear dozer down																
	Dozer and stabilizer down																
	2 sets of stabilizers down																
15.0 ft	Wide axle rear dozer up																26.25
	Rear dozer up				*12,800	*12,800	11,500	11,600	8,500	7,500	8,200	6,000	5,300	*6,800	5,500	4,900	
	Rear dozer down								*12,600	8,400					*6,800	5,500	
	Dozer and stabilizer down								*12,600	12,100					*6,800	*6,800	
10.0 ft	2 sets of stabilizers down								*12,600	12,600					*6,800	*6,800	27.53
	Wide axle rear dozer up								8,500	8,100					5,500	5,300	
	Rear dozer up				17,300	12,200	10,700	11,200	8,100	7,100	8,100	6,000	5,100	7,000	5,000	4,400	
	Rear dozer down								*14,200	8,100					*7,000	5,000	
5.0 ft	Dozer and stabilizer down								*17,600	17,600					*7,000	*7,000	27.82
	2 sets of stabilizers down								*17,600	17,600					*7,000	*7,000	
	Wide axle rear dozer up								12,300	11,600					5,000	4,800	
	Rear dozer up				16,200	11,300	9,800	10,700	7,600	6,700	7,800	5,600	4,900	6,700	4,800	4,200	
0.0 ft	Rear dozer down								*21,100	11,200					*7,500	4,800	27.20
	Dozer and stabilizer down								*15,800	7,600					*7,500	7,000	
	2 sets of stabilizers down								*15,800	11,200					*7,500	7,000	
	Wide axle rear dozer up								11,300	10,700					4,800	4,600	
-5.0 ft	Rear dozer up		*16,000	*16,000	15,600	15,500	10,600	9,100	10,300	7,300	6,300	7,600	5,400	4,800	6,800	4,900	25.52
	Rear dozer down								*22,900	10,600					*8,300	4,900	
	Dozer and stabilizer down								*22,900	16,300					*8,300	7,100	
	2 sets of stabilizers down								*22,900	19,300					*8,300	8,200	
-10.0 ft	Wide axle rear dozer up								10,600	10,100					4,900	4,700	22.64
	Rear dozer up								10,100	7,100					5,200	4,600	
	Rear dozer down								*22,200	18,500					*9,900	5,200	
	Dozer and stabilizer down								*22,200	16,000					*9,900	7,700	
-15.0 ft	2 sets of stabilizers down								*22,200	18,900					*9,900	8,900	25.52
	Wide axle rear dozer up								10,300	9,800					5,200	5,000	
	Rear dozer up								10,100	7,100					5,300	4,700	
	Rear dozer down								*12,500	16,100					*9,900	9,100	
-20.0 ft	Dozer and stabilizer down								7,100	6,100					5,300	5,100	22.64
	2 sets of stabilizers down								*14,500	10,600					*12,000	10,500	
	Wide axle rear dozer up								7,100	6,800					6,100	5,800	
	Rear dozer up								10,100	8,800					8,600	6,100	

*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.

M318D Wheel Excavator Specifications

Lift Capacities – One-Piece Boom (5350 mm [17'7"])

All values are without bucket and without QC, with counterweight (4000 kg [8,810 lb]), heavy lift on.

Medium Stick 2500 mm (8'3")	Undercarriage configuration	3.0 m			4.5 m			6.0 m			7.5 m			Load point height			m
		kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg		
6.0 m	Rear dozer up	kg						5050	3650	3200				*3450	3000	2650	6.66
	Rear dozer down	kg							*5550	3650					*3450	3000	
4.5 m	Dozer and stabilizer down	kg							*5550	5300				*3450	*3450	*3450	7.43
	2 sets of stabilizers down	kg							*5550	3650				*3450	*3450	*3450	
3.0 m	Wide axle rear dozer up	kg							3650	3500				3050	2900	2400	7.84
	Rear dozer up	kg						4950	3550	3100				*3350	2500	2150	
1.5 m	Rear dozer down	kg							*6000	3550					*3350	2500	7.93
	Dozer and stabilizer down	kg							*6000	5200				*3350	*3350	*3350	
0.0 m	2 sets of stabilizers down	kg							*6000	*6000	*6000			*3350	*3350	*3350	7.72
	Wide axle rear dozer up	kg							3550	3400				2500	2400	2400	
-1.5 m	Rear dozer up	kg															7.19
	Rear dozer down	kg															
-3.0 m	Dozer and stabilizer down	kg															6.24
	2 sets of stabilizers down	kg															
	Wide axle rear dozer up	kg															
		kg															

Medium Stick 2500 mm (8'3")	Undercarriage configuration	10.0 ft			15.0 ft			20.0 ft			25.0 ft			Load point height			ft
		lb	lb	lb	lb	lb											
20.0 ft	Rear dozer up	lb															21.65
	Rear dozer down	lb															
15.0 ft	Dozer and stabilizer down	lb															24.31
	2 sets of stabilizers down	lb															
10.0 ft	Wide axle rear dozer up	lb															25.69
	Rear dozer up	lb															
5.0 ft	Rear dozer down	lb															26.02
	Dozer and stabilizer down	lb															
0.0 ft	2 sets of stabilizers down	lb															25.33
	Wide axle rear dozer up	lb															
-5.0 ft	Rear dozer up	lb															23.56
	Rear dozer down	lb															
-10.0 ft	Dozer and stabilizer down	lb															20.34
	2 sets of stabilizers down	lb															
	Wide axle rear dozer up	lb															
		lb															

*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.

M318D Wheel Excavator Specifications

Lift Capacities – One-Piece Boom (5350 mm [17'7"])

All values are without bucket and without QC, with counterweight (4000 kg [8,810 lb]), heavy lift on.

Industrial Stick 3300 mm (10'10")	Undercarriage configuration	3.0 m			4.5 m			6.0 m			7.5 m			Load point height			m				
		Load at maximum reach (sticknose/bucket pin)	Load over front	Load over rear	Load over side	Load at maximum reach (sticknose/bucket pin)	Load over front	Load over rear	Load over side	Load at maximum reach (sticknose/bucket pin)	Load over front	Load over rear	Load over side	Load at maximum reach (sticknose/bucket pin)	Load over front	Load over rear		Load over side			
6.0 m	Rear dozer up Rear dozer down Dozer and stabilizer down 2 sets of stabilizers down Wide axle rear dozer up	kg																*3250	2950	2600	7.30
4.5 m	Rear dozer up Rear dozer down Dozer and stabilizer down 2 sets of stabilizers down Wide axle rear dozer up	kg							5350	3900	3450	3800	2800	2500	*3250	2500	2250	*3250	2500	2250	8.01
3.0 m	Rear dozer up Rear dozer down Dozer and stabilizer down 2 sets of stabilizers down Wide axle rear dozer up	kg			7900	5600	4900	5150	3750	3300	3750	2700	2400	3150	2300	2050		*3350	2300	2050	8.38
1.5 m	Rear dozer up Rear dozer down Dozer and stabilizer down 2 sets of stabilizers down Wide axle rear dozer up	kg			7500	5200	4500	4950	3550	3100	3650	2600	2300	3050	2200	1950		*3600	2200	1950	8.47
0.0 m	Rear dozer up Rear dozer down Dozer and stabilizer down 2 sets of stabilizers down Wide axle rear dozer up	kg	*6950	*6950	7200	4950	4250	4800	3400	2950	3550	2550	2250	3100	2200	1950		*4100	2200	1950	8.27
-1.5 m	Rear dozer up Rear dozer down Dozer and stabilizer down 2 sets of stabilizers down Wide axle rear dozer up	kg	*9700	8800	7300	7050	4800	4150	4700	3300	2900	3500	2500	3350	2400	2100		*4950	2400	2100	7.78
-3.0 m	Rear dozer up Rear dozer down Dozer and stabilizer down 2 sets of stabilizers down Wide axle rear dozer up	kg	*13 600	8850	7350	7050	4800	4150	4700	3300	2850			3900	2750	2400		*5800	2750	2400	6.92
-4.5 m	Rear dozer up Rear dozer down Dozer and stabilizer down 2 sets of stabilizers down Wide axle rear dozer up	kg	*10 050	9100	7550	7150	4900	4250						5350	3750	3300		*5650	3750	3300	5.50

Industrial Stick 3300 mm (10'10")	Undercarriage configuration	10.0 ft			15.0 ft			20.0 ft			25.0 ft			Load point height			ft				
		Load at maximum reach (sticknose/bucket pin)	Load over front	Load over rear	Load over side	Load at maximum reach (sticknose/bucket pin)	Load over front	Load over rear	Load over side	Load at maximum reach (sticknose/bucket pin)	Load over front	Load over rear	Load over side	Load at maximum reach (sticknose/bucket pin)	Load over front	Load over rear		Load over side			
20.0 ft	Rear dozer up Rear dozer down Dozer and stabilizer down 2 sets of stabilizers down Wide axle rear dozer up	lb																*7,100	6,600	5,800	23.75
15.0 ft	Rear dozer up Rear dozer down Dozer and stabilizer down 2 sets of stabilizers down Wide axle rear dozer up	lb							11,500	8,400	7,500	8,200	6,000	5,300	*7,100	5,600	4,900	*9,300	7,100	5,600	26.18
10.0 ft	Rear dozer up Rear dozer down Dozer and stabilizer down 2 sets of stabilizers down Wide axle rear dozer up	lb	*25,800	22,400	18,900	17,100	12,100	10,600	11,100	8,000	7,100	8,000	6,000	5,300	7,000	5,100	4,500	*14,000	11,600	8,000	27.46
5.0 ft	Rear dozer up Rear dozer down Dozer and stabilizer down 2 sets of stabilizers down Wide axle rear dozer up	lb				16,100	11,200	9,800	10,700	7,600	6,700	7,800	5,600	5,000	6,700	4,900	4,300	*15,700	12,900	9,400	27.79
0.0 ft	Rear dozer up Rear dozer down Dozer and stabilizer down 2 sets of stabilizers down Wide axle rear dozer up	lb	*15,900	*15,900	15,800	15,500	10,600	9,200	10,300	7,300	6,400	7,600	5,500	4,800	6,800	4,900	4,300	*23,000	15,600	10,600	27.13
-5.0 ft	Rear dozer up Rear dozer down Dozer and stabilizer down 2 sets of stabilizers down Wide axle rear dozer up	lb	*22,000	18,900	15,700	15,200	10,400	8,900	10,100	7,100	6,200	7,500	5,400	4,700	7,400	5,200	4,600	*22,000	18,900	15,700	25.49
-10.0 ft	Rear dozer up Rear dozer down Dozer and stabilizer down 2 sets of stabilizers down Wide axle rear dozer up	lb	*29,400	19,100	15,800	15,200	10,400	8,900	10,100	7,100	6,200				8,600	6,100	5,400	*29,400	19,100	15,800	22.57
-15.0 ft	Rear dozer up Rear dozer down Dozer and stabilizer down 2 sets of stabilizers down Wide axle rear dozer up	lb	*21,400	19,500	16,300	*15,400	10,600	9,200							12,100	8,500	7,400	*21,400	19,500	16,300	17.75

*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.

M318D Wheel Excavator Standard Equipment

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

Electrical

Alternator, 75 A

Lights

Boom working light

Cab interior light

Roading lights two front

Roading lights two LED modules rear

Rotating beacon on cab

Working lights, cab mounted
(front and rear)

Main shut-off switch

Maintenance free batteries

Signal/warning horn

Engine

Automatic engine speed control

Automatic starting aid

Cat C6.6 with ACERT Technology
EPA Tier 3 compliant

Fuel/water separator with level indicator

Hydraulics

Heavy lift mode

Load-sensing Plus hydraulic system

Manual work modes (economy, power)

Separate swing pump

Stick regeneration circuit

Operator Station

ROPS cab structure compliant with
2006/42/EC and tested according
to ISO 12117-2:2008

Adjustable armrests

Air conditioner, heater and defroster
with automatic climate control

Ash tray with cigarette lighter (24 volt)

Beverage cup/can holder

Bolt-on FOGS capability

Bottle holder

Bottom mounted 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

Fully adjustable mechanical suspension seat

Instrument panel and gauges

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 compartment behind seat

Literature holder in right console

Mobile phone holder

Parking brake

Positive filtered ventilation

Power supply, 12V-7A

Rear window, emergency exit

Retractable seat belt

Skylight

Sliding door windows

Steering column, tiltable

Storage area suitable for a lunch box

Sunshade for windshield and skylight

Undercarriage

Heavy-duty axles, advanced travel motor,
adjustable braking force

Oscillating front axle with remote greasing

Tires, 10.00-20 16 PR, dual

Tool boxes (right- and left-hand side)
in undercarriage

Two-piece drive shaft

Other Equipment

Automatic swing brake

Counterweight, 4000 kg (8,810 lb)

Mirrors, frame and cab

Product Link ready

Tool box in upperframe, lockable

M318D Wheel Excavator Optional Equipment

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

Auxiliary Controls and Lines

Auxiliary boom and stick lines

Anti-drift valves for bucket, stick, VA boom and tool control/multi-function circuits

Basic control circuits:

Single action

One-way, high pressure circuit, for hammering application

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

Second high pressure

Additional two-way, high pressure circuit, for tools requiring a second high or medium pressure function

Quick coupler control

Cat BIO HYDO Advanced HEEST™ biodegradable hydraulic oil

Generator with valve and priority function

Lowering control devices for boom and stick

SmartBoom™

Front Linkage

Booms

One-piece boom, 5350 mm (17 ft 7 in)

VA boom (two piece), 5260 mm (17 ft 3 in)

Bucket linkage with diverter valve

Sticks

2200 mm (7 ft 3 in), 2500 mm (8 ft 3 in),

2800 mm (9 ft 3 in)

3300 mm (10 ft 10 in) industrial with drop nose

Electrical

Back-up alarm

Heavy-duty maintenance free batteries

Refueling pump

Operator Station

Adjustable hydraulic sensitivity

CD/MP3 Radio (12V) at rear location including speakers and 12V converter

Falling objects guard

Joystick steering

Seat, adjustable high-back

– air suspension (vertical)

– deluxe with headrest, air suspension

Travel speed lock

Vandalism guards

Visor for rain protection

Windshield

One-piece high impact resistant

70/30 split, openable

Undercarriage

Dozer blade, front or rear mounted

Outriggers, front and/or rear mounted

Spacer rings for tires

Wide axles

Other Equipment

Auto-lube system

(implements and swing gear)

Cat Machine Security System

Cat Product Link

Mirrors heated, frame and cab

Ride Control

Tires (see pg.15)

Waste Handling Package

M318D Wheel Excavator

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