

# 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 <sup>3</sup>	0.5 to 1.65 yd <sup>3</sup>
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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**

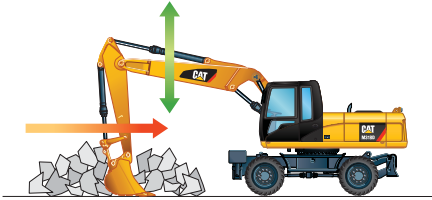
The machine can be optionally equipped with a dedicated hydraulic circuit to operate hydraulic quick couplers.

## **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.

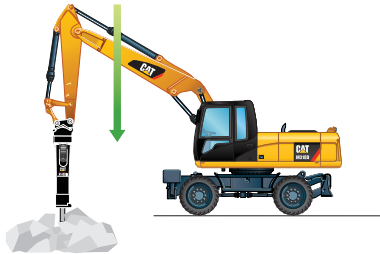
# SmartBoom™

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



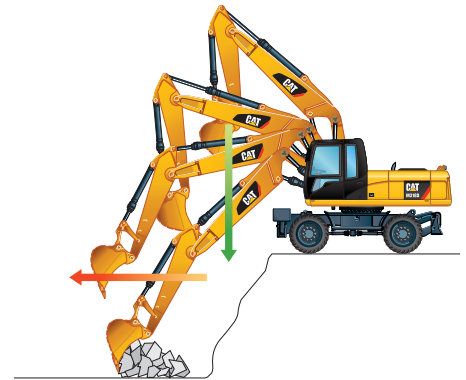
## Rock Scraping

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 HEEST™) is formulated to provide excellent

high-pressure and high temperature characteristics, and is fully compatible with all hydraulic components. Cat BIO HYDO Advanced HEEST™ 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.



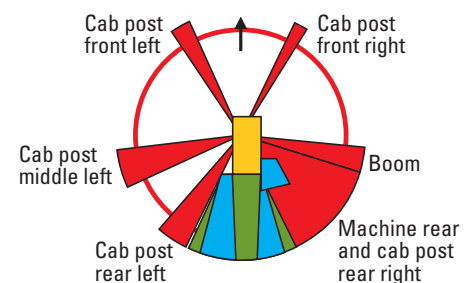
## Foot Pedals

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

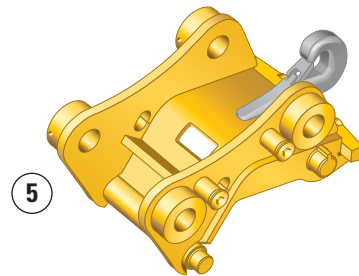
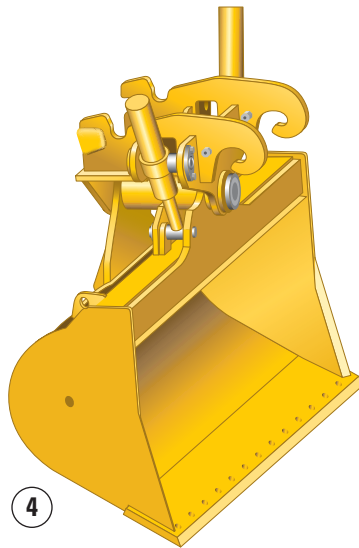
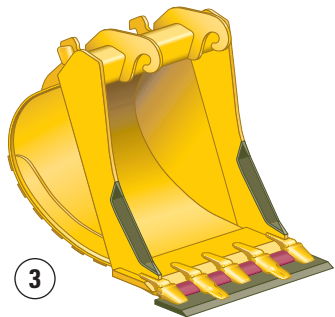
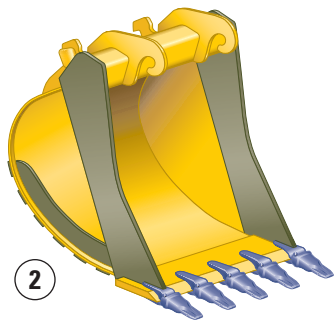
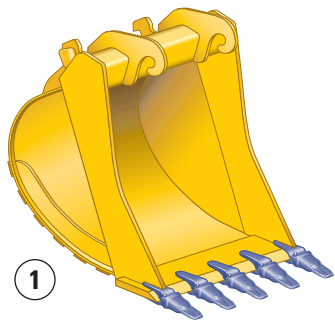
Four different stick lengths are offered to match different application requirements:

- 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-S<sup>SM</sup> 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 Valve<sup>TM</sup> 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<sup>®</sup> 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-S<sup>SM</sup> 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.

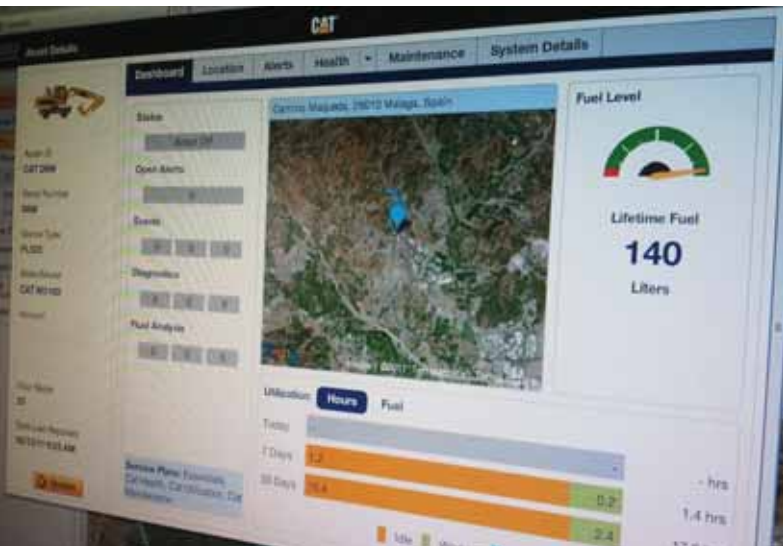
## Product Link

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 <sup>3</sup>
Cylinders	6	
Maximum Torque at 1,400 rpm	805 N·m	596 lb ft
<ul style="list-style-type: none"> <li>• EPA Tier 3 compliant.</li> <li>• Full engine net power up to 3000 m (1.86 mi) altitude.</li> </ul>		

## 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 Axle Angle	± 9°	
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).

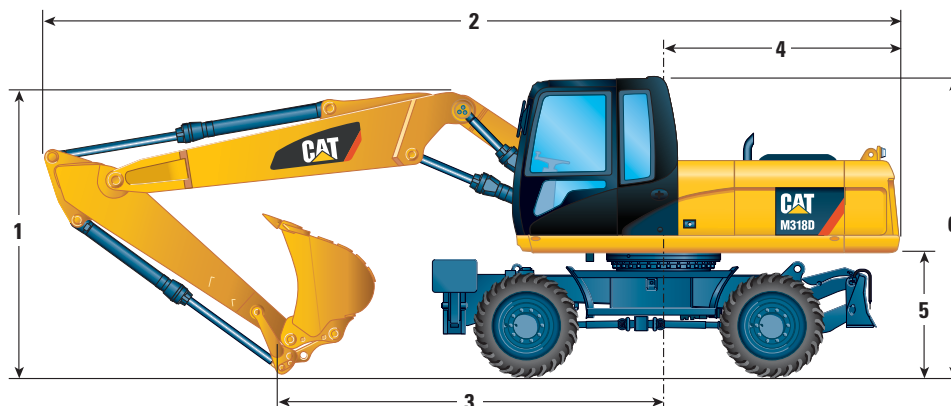
## Cab/ROPS/FOGS

- 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

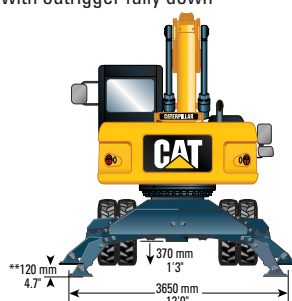
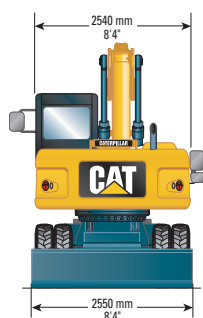
All dimensions are approximate.



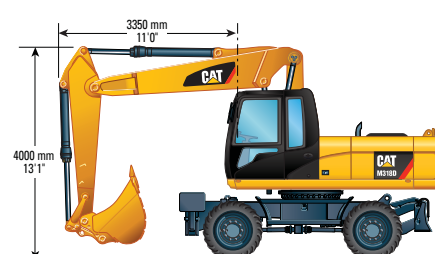
		VA Boom				One-Piece Boom			
Stick Length	mm (ft/in)	2200 (7'3")	2500 (8'3")	2800 (9'3")	*3300 (10'10")	2200 (7'3")	2500 (8'3")	2800 (9'3")	*3300 (10'10")
<b>1</b> Shipping Height	mm (ft/in)	3170 (10'5")	3170 (10'5")	3300 (10'10")	3330 (10'11")	3190 (10'6")	3210 (10'6")	3330 (10'11")	3290 (10'10")
<b>2</b> 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")
<b>3</b> 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")
<b>4</b> Tail Swing Radius	mm (ft/in)	2565 (8'5")				2565 (8'5")			
<b>5</b> Counterweight Clearance	mm (ft/in)	1275 (4'2")				1275 (4'2")			
<b>6</b> 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

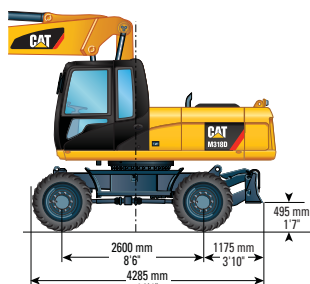
\*\* Maximum tire clearance with outrigger fully down



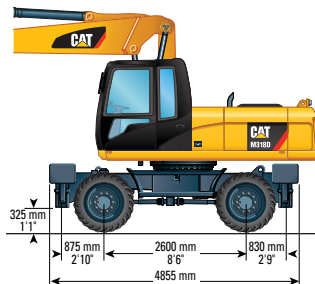
Roading position with 2400 mm stick



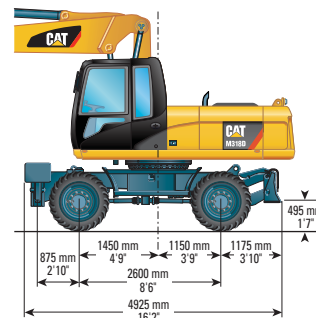
Undercarriage with dozer only



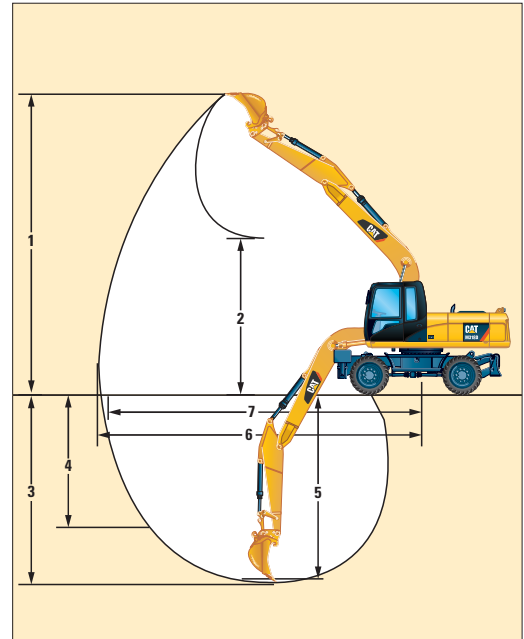
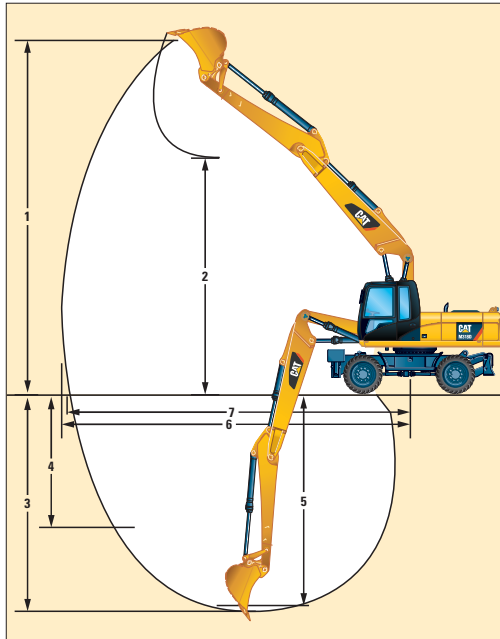
Undercarriage with 2 sets of outriggers



Undercarriage with 1 set of outriggers and dozer



## Working Ranges



		VA Boom				One-Piece Boom			
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")
<b>1 Digging Height</b>	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")
<b>2 Dump Height</b>	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")
<b>3 Digging Depth</b>	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")
<b>4 Vertical Wall Digging Depth</b>	mm (ft/in)	3220 (10'7")	3680 (12'1")	3960 (13'0")	—	2880 (9'5")	3340 (11'0")	3620 (11'11")	—
<b>5 Depth 2.5 m (8'3'') Straight Clean-Up</b>	mm (ft/in)	5538 (18'2")	5865 (19'3")	6179 (20'4")	—	5488 (18'0")	5805 (19'1")	6119 (20'1")	—
<b>6 Reach</b>	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")
<b>7 Reach at Ground Level</b>	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 <sup>3</sup>	yd <sup>3</sup>													
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 <sup>3</sup> (3,000 lb/yd <sup>3</sup> )	Maximum material density 1200 kg/m <sup>3</sup> (2,000 lb/yd <sup>3</sup> )
	Maximum material density 1500 kg/m <sup>3</sup> (2,500 lb/yd <sup>3</sup> )	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 <sup>3</sup>	yd <sup>3</sup>													
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 <sup>3</sup> (3,000 lb/yd <sup>3</sup> )		Maximum material density 1200 kg/m <sup>3</sup> (2,000 lb/yd <sup>3</sup> )
	Maximum material density 1500 kg/m <sup>3</sup> (2,500 lb/yd <sup>3</sup> )		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																								
	MP15	PP, PS																								
	MP15	S																								
	MP20	CC, CR																								
	MP20	PP, PS, S																								
Hydraulic Shears (* boom mounted)	S320B																									
	S320B*																									
	S325B*																									
Compactor	CVP75																									
	GSH15B 4 tines	400 L (0.53 yd³)																								
		500 L (0.66 yd³)																								
		600 L (0.79 yd³)																								
		800 L (1.05 yd³)																								
	GSH20B 4 tines	600 L (0.79 yd³)																								
		800 L (1.05 yd³)																								
		1000 L (1.3 yd³)																								

360° Working Range

Over the front only
























Maximum material density 3000 kg/m³ (5,000 lb/yd³)

Maximum material density 1800 kg/m³ (3,000 lb/yd³)

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.

 Load at maximum reach (sticknose/bucket pin)	 Load over front	 Load over rear	 Load over side	 Load point height															
 <b>Short Stick</b> 2200 mm (7'3")	 <b>Undercarriage configuration</b>	3.0 m			4.5 m			6.0 m			7.5 m								
																	m		
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		*5750			*5750				*4350	*4350		
	Wide axle rear dozer up	kg					5800	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		*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		*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			7150	3150				*4500	2250		
	Dozer and stabilizer down	kg					*10 150	7350			7250	4800				*4500	3400		
	2 sets of stabilizers down	kg				*10 150	*10 150	8750		*7400	*7400	5650	*5600	5250	4050	*4500	3950		
	Wide axle rear dozer up	kg					4700	4400			3150	3000			2300	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			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			3750	2550	2200	6.81	
	Rear dozer down	kg					*10 300	8350			*9200	4450				*5550	2550		
	Dozer and stabilizer down	kg					*10 300	*10 300			*9200	7100				*5550	3950		
	2 sets of stabilizers down	kg				*10 300	*10 300	*10 300			*9200	8500			*5550	4600			
	Wide axle rear dozer up	kg					8500	7850			4500	4200				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						
																			ft
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	*10,900					*9,600	*9,600	
	2 sets of stabilizers down	lb					*14,600	*14,600	*10,900	*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	*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	*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		*20,000	15,300		*14,600	10,100		*12,200	8,700	
	2 sets of stabilizers down	lb						*23,500	*23,500		*20,000	18,200	*14,600	*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.

# 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.














 Load at maximum reach (sticknose/bucket pin)	 Load over front			 Load over rear			 Load over side			 Load point height										
Medium Stick 2500 mm (8'3")		3.0 m			4.5 m			6.0 m			7.5 m						m			
																				
6.0 m	Rear dozer up	kg				*6250	5850	5100		3650	3200				*3300	3050	2650	6.63		
	Rear dozer down	kg					*6250	5850		*5550	3650					*3300	3050			
	Dozer and stabilizer down	kg					*6250	*6250		*5550	5350					*3300	*3300			
	2 sets of stabilizers down	kg					*6250	*6250	*5550		*5550	*5550				*3300	*3300			
	Wide axle rear dozer up	kg					5900	5600			3650	3500					3050		2900	
4.5 m	Rear dozer up	kg				*7250	5600	4850		3550	3100				*3150	2450	2150	7.41		
	Rear dozer down	kg					*7250	5550		*6150	3550					*3150	2500			
	Dozer and stabilizer down	kg					*7250	*7250		*6150	5250					*3150	*3150			
	2 sets of stabilizers down	kg					*7250	*7250	*6150		*6150	6050				*3150	*3150			
	Wide axle rear dozer up	kg					5600	5300			3550	3400					2500		2350	
3.0 m	Rear dozer up	kg					7500	5150	4450		4800	3350	2950	3400	2350	2050	3200	2200	1900	7.82
	Rear dozer down	kg						*8800	5100			*6750	3350		5100	2350		*3200	2200	
	Dozer and stabilizer down	kg						*8800	7900			*6750	5050		5250	3600		*3200	*3200	
	2 sets of stabilizers down	kg						*8800	*8800	*6750		*6750	5850	*5300	*5300	4150	*3200	*3200		
	Wide axle rear dozer up	kg						5150	4900			3400	3200		2400	2250		2200	2100	
1.5 m	Rear dozer up	kg					7000	4750	4050		4600	3200	2750	3350	2300	2000	3050	2100	1800	7.91
	Rear dozer down	kg						*10 000	4700			7150	3150		5050	2300		*3350	2100	
	Dozer and stabilizer down	kg						*10 000	7400			7250	4850		5150	3500		*3350	3250	
	2 sets of stabilizers down	kg						*10 000	8800		*7300	*7300	5650	*5850	5250	4050	*3350	*3350		
	Wide axle rear dozer up	kg						4750	4500			3200	3050		2300	2200		2100	2000	
0.0 m	Rear dozer up	kg					6800	4500	3850		4450	3050	2600	3250	2250	1900	3150	2150	1850	7.70
	Rear dozer down	kg						*10 250	4500			7000	3050		4950	2250		*3750	2150	
	Dozer and stabilizer down	kg						*10 250	7150			7100	4700		5050	3450		*3750	3300	
	2 sets of stabilizers down	kg						*10 250	8550		*7450	7250	5500		5200	4000		*3750	*3750	
	Wide axle rear dozer up	kg						4500	4250			3050	2900		2250	2150		2150	2050	
-1.5 m	Rear dozer up	kg	*9500	8400	6900		6700	4450	3800		4400	3000	2550				3450	2400	2050	7.16
	Rear dozer down	kg		*9500	8300			*9500	4450			6950	3000					*4400	2400	
	Dozer and stabilizer down	kg		*9500	*9500			*9500	7100			*7000	4650					*4400	3650	
	2 sets of stabilizers down	kg	*9500	*9500	*9500		*9500	*9500	8450		*7000	*7000	5450					*4400	4250	
	Wide axle rear dozer up	kg		8450	7800			4450	4200			3000	2850					2400	2250	
-3.0 m	Rear dozer up	kg					6800	4550	3850		4500	3050	2650				4300	2950	2550	6.21
	Rear dozer down	kg						*7700	4500			*5350	3050					*4900	2950	
	Dozer and stabilizer down	kg						*7700	7200			*5350	4700					*4900	4500	
	2 sets of stabilizers down	kg						*7700	*7700	*5350		*5350	*5350					*4900	*4900	
	Wide axle rear dozer up	kg						4550	4300			2900						2950	2800	

Medium Stick 2500 mm (8'3")		Undercarriage configuration		10.0 ft			15.0 ft			20.0 ft			25.0 ft							
																		ft		
20.0 ft	Rear dozer up	lb						*13,700	12,600	11,000	11,000	7,800	6,800				*7,400	6,800	5,900	21.56
	Rear dozer down	lb						*13,700	12,600			*11,500	7,800				*7,400	*7,400	6,800	
	Dozer and stabilizer down	lb						*13,700	*13,700			*11,500	11,500				*7,400	*7,400		
	2 sets of stabilizers down	lb						*13,700	*13,700	*11,500		*11,500	*11,500				*7,400	*7,400		
	Wide axle rear dozer up	lb						12,700	12,000			7,800	7,500					6,800	6,500	
15.0 ft	Rear dozer up	lb						*15,700	12,100	10,500	10,800	7,600	6,700				*7,000	5,500	4,800	24.21
	Rear dozer down	lb						*15,700	12,000			*13,400	7,600				*7,000	*7,000	5,500	
	Dozer and stabilizer down	lb						*15,700	*15,700			*13,400	11,300				*7,000	*7,000		
	2 sets of stabilizers down	lb						*15,700	*15,700	*13,400		*13,400	13,100				*7,000	*7,000		
	Wide axle rear dozer up	lb						12,100	11,500			7,700	7,300					5,500	5,300	
10.0 ft	Rear dozer up	lb						16,100	11,100	9,600	10,400	7,300	6,300	7,300	5,100	4,400	*7,000	4,900	4,200	25.62
	Rear dozer down	lb						*18,900	11,100			*14,600	7,300		*10,100	5,100	*7,000	*7,000	4,900	
	Dozer and stabilizer down	lb						*18,900	17,000			*14,600	10,900		*10,100	7,700	*7,000	*7,000		
	2 sets of stabilizers down	lb						*18,900	*18,900	*14,600		*14,600	12,600	*10,100	*10,100	8,900	*7,000	*7,000		
	Wide axle rear dozer up	lb						11,100	10,500			7,300	6,900		5,100	4,900		4,900	4,700	
5.0 ft	Rear dozer up	lb						15,100	10,200	8,700	9,900	6,900	5,900	7,200	4,900	4,300	6,800	4,700	4,000	25.95
	Rear dozer down	lb						*21,600	10,200			15,400	6,800		10,800	4,900	*7,400	*7,400	4,700	
	Dozer and stabilizer down	lb						*21,600	16,000			15,600	10,400		11,100	7,500	*7,400	*7,400		
	2 sets of stabilizers down	lb						*21,600	18,900		*15,800	*15,800	12,200		11,300	8,700	*7,400	*7,400		
	Wide axle rear dozer up	lb						10,200	9,700			6,900	6,500	*12,600	4,900	4,700		4,700	4,400	
0.0 ft	Rear dozer up	lb						14,600	9,700	8,300	9,600	6,600	5,600	7,000	4,800	4,200	6,900	4,800	4,100	25.26
	Rear dozer down	lb						*22,200	9,700			15,000	6,600		*10,300	4,800	*8,200	*8,200	4,800	
	Dozer and stabilizer down	lb						*22,200	15,400			15,300	10,100		*10,300	7,400	*8,200	*8,200		
	2 sets of stabilizers down	lb						*22,200	18,300		*16,100	15,600	11,800		*10,300	8,600	*8,200	*8,200		
	Wide axle rear dozer up	lb						9,800	9,200			6,600	6,200	*10,300	4,800	4,600		4,800	4,500	
-5.0 ft	Rear dozer up	lb	*21,700	18,100	14,800		14,500	9,600	8,100	9,500	6,500	5,500					7,700	5,200	4,500	23.46
	Rear dozer down	lb		*21,700	17,800		*20,600	9,600			14,900	6,500					*9,800	*9,800	5,300	
	Dozer and stabilizer down	lb		*21,700	*21,700		*20,600	15,300			*15,100	10,000					*9,800	*9,800		
	2 sets of stabilizers down	lb	*21,700	*21,700	*21,700		*20,600	18,200		*15,100	*15,100	11,700					*9,800	*9,800		
	Wide axle rear dozer up	lb		18,100	16,700		9,600	9,100			6,500	6,100						5,300	5,000	
-10.0 ft	Rear dozer up	lb					14,700	9,800	8,300	9,700	6,600	5,700					9,600	6,500	5,600	20.24
	Rear dozer down	lb					*16,600	9,700			*11,100	6,600					*10,700	*10,700	6,500	
	Dozer and stabilizer down	lb					*16,600	15,500			*11,100	10,200					*10,700	*10,700		
	2 sets of stabilizers down	lb					*16,600	*16,600	*11,100		*11,100	*11,100					*10,700	*10,700		
	Wide axle rear dozer up	lb					9,800	9,200			6,700	6,300						6,600	6,200	

## 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.

	Load at maximum reach (sticknose/bucket pin)				Load over front				Load over rear				Load over side				Load point height		
Long Stick 2800 mm (9'3")		Undercarriage configuration		3.0 m			4.5 m			6.0 m			7.5 m						
																			m
6.0 m	Rear dozer up	kg							5200	3700	3250					*2900	2800	2450	6.98
	Rear dozer down	kg								3700							*2900	2800	
	Dozer and stabilizer down	kg								*5200	*5200					*2900	*2900		
	2 sets of stabilizers down	kg								*5200	*5200					*2900	*2900		
	Wide axle rear dozer up	kg								3700	3550					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	5650		*5900	3600		*3950	2450			*2800	2350	
	Dozer and stabilizer down	kg					*6650	*6650		*5900	5300		*3950	3700		*2800	*2800		
	2 sets of stabilizers down	kg					*6650	*6650		*5900	*5900		*3950	*3950		*2800	*2800		
	Wide axle rear dozer up	kg					5700	5400		3600	3450		2450	2350		2350	2250		
3.0 m	Rear dozer up	kg					7600	5250	4500	4850	3400	2950	3450	2400	2100		*2800	2100	8.10
	Rear dozer down	kg						*8450	5200		*6550	3400		5150	2400		*2800	2100	
	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		2100	2000	
1.5 m	Rear dozer up	kg					7100	4800	4100	4650	3200	2750	3350	2300	2000		2900	2000	8.19
	Rear dozer down	kg						*9800	4750		*7200	3200		5050	2300		*2950	2000	
	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		2000	1900	
0.0 m	Rear dozer up	kg					6800	4550	3850	4500	3050	2600	3250	2250	1950		3000	2050	7.99
	Rear dozer down	kg						*10 250	4500		7000	3050		4950	2250			*3250	
	Dozer and stabilizer down	kg						*10 250	7200		7100	4700		5100	3450			*3250	
	2 sets of stabilizers down	kg						*10 250	8550		*7450	5500		*5800	5200		*3250	3150	
	Wide axle rear dozer up	kg						4550	4300		3050	2900		2250	2150		2050	1950	
-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					2250	2150	
-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					2700	2550	

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

\*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.

		Load at maximum reach (sticknose/bucket pin)			Load over front			Load over rear			Load over side			Load point height			
Industrial Stick 3300 mm (10'10")	Undercarriage configuration	3.0 m			4.5 m			6.0 m			7.5 m			m			
6.0 m	Rear dozer up	kg						*4950	4050	3600				*3150	2900	2600	7.31
	Rear dozer down	kg							*4950	4000					*3150	2900	
	Dozer and stabilizer down	kg							*4950	*4950					*3150	*3150	
	2 sets of stabilizers down	kg							*4950	*4950					*3150	*3150	
4.5 m	Wide axle rear dozer up	kg						4050	3850					*3150	2950	2800	8.02
	Rear dozer up	kg				*5900	*5900	5300	5400	3950	3500	3850	2800	2450	*3100	2500	
	Rear dozer down	kg					*5900	*5900		*5800	3900		*4500	2800		*3100	
	Dozer and stabilizer down	kg					*5900	*5900		*5800	5650		*4500	4000		*3100	
3.0 m	2 sets of stabilizers down	kg					*5900	*5900		*5800	*5800		*4500	*4500		*3100	8.40
	Wide axle rear dozer up	kg					*5900	*5900		3950	3750		*4500	*4500		*3100	
	Rear dozer up	kg				8000	5650	4950	5200	3750	3300	3750	2700	2400	3150	2250	
	Rear dozer down	kg					*8150	5650		*6550	3750		5450	2700		*3200	
1.5 m	Dozer and stabilizer down	kg					*8150	*8150		*6550	5450		5550	3900		*3200	8.48
	2 sets of stabilizers down	kg					*8150	*8150		*6550	6250		*5650	4500		*3200	
	Wide axle rear dozer up	kg					5700	5400		3750	3600		2700	2600		2250	
	Rear dozer up	kg				7550	5200	4500	4950	3550	3100	3650	2600	2300	3050	2200	
0.0 m	Rear dozer down	kg					*9800	5200		*7300	3550		5350	2600		*3400	8.29
	Dozer and stabilizer down	kg					*9800	7950		*7300	5200		5450	3800		*3400	
	2 sets of stabilizers down	kg					*9800	9300		*7300	6000		5450	4350		*3400	
	Wide axle rear dozer up	kg					5250	4950		3550	3400		2600	2500		2200	
-1.5 m	Rear dozer up	kg	*7000	*7000	*7000	7200	4900	4200	4800	3350	2950	3550	2500	2200	3100	2200	7.79
	Rear dozer down	kg					*10 600	4900		7350	3350		5250	2500		*3800	
	Dozer and stabilizer down	kg					*10 600	7600		7450	5050		5350	3700		*3800	
	2 sets of stabilizers down	kg					*10 600	8950		*7750	5850		5450	4250		*3800	
-3.0 m	Wide axle rear dozer up	kg					4950	4650		3400	3200		2500	2400		2200	6.93
	Rear dozer up	kg	*9800	8750	7200	7050	4800	4100	4700	3300	2850	3500	2450	2150	3350	2350	
	Rear dozer down	kg		*9800	8600		*10 400	4750		7250	3250		5200	2450		*4500	
	Dozer and stabilizer down	kg		*9800	*9800		*10 400	7450		7350	4950		5300	3650		*4500	
-3.0 m	2 sets of stabilizers down	kg		*9800	*9800		*10 400	8800		*7650	7500		5400	4200		*4500	6.93
	Wide axle rear dozer up	kg		8750	8100		4800	4550		3300	3150		2450	2350		2350	
	Rear dozer up	kg	*12 950	8850	7250	7050	4800	4100	4700	3250	2850				3900	2750	
	Rear dozer down	kg		*12 950	8700		*9200	4750		*6800	3250					*5450	
-3.0 m	Dozer and stabilizer down	kg		*12 950	*12 950		*9200	7450		*6800	4900					*5450	6.93
	2 sets of stabilizers down	kg		*12 950	*12 950		*9200	8800		*6800	5700					*5450	
	Wide axle rear dozer up	kg		8850	8200		4800	4550		3250	3100					2750	
		kg														2600	

		Load at maximum reach (sticknose/bucket pin)			Load over front			Load over rear			Load over side			Load point height			
Industrial Stick 3300 mm (10'10")	Undercarriage configuration	10.0 ft			15.0 ft			20.0 ft			25.0 ft			ft			
20.0 ft	Rear dozer up	lb						*10,800	8,700	7,700				*6,900	6,500	5,800	23.79
	Rear dozer down	lb							*10,800	8,700					*6,900	6,500	
	Dozer and stabilizer down	lb							*10,800	*10,800					*6,900	*6,900	
	2 sets of stabilizers down	lb							*10,800	*10,800					*6,900	*6,900	
15.0 ft	Wide axle rear dozer up	lb						8,700	8,300					*6,900	6,500	6,300	26.25
	Rear dozer up	lb				*12,800	*12,800	11,500	11,600	8,500	7,500	8,200	6,000	5,300	*6,800	5,500	
	Rear dozer down	lb					*12,800	*12,800		*12,600	8,400		*9,200	6,000		*6,800	
	Dozer and stabilizer down	lb					*12,800	*12,800		*12,600	12,100		*9,200	8,600		*6,800	
10.0 ft	2 sets of stabilizers down	lb					*12,800	*12,800		*12,600	*12,600		*9,200	*9,200		*6,800	27.53
	Wide axle rear dozer up	lb					12,800	12,500		8,500	8,100		6,000	5,800		5,500	
	Rear dozer up	lb				17,300	12,200	10,700	11,200	8,100	7,100	8,100	5,800	5,100	7,000	5,000	
	Rear dozer down	lb					*17,600	12,200		*14,200	8,100		11,700	5,800		*7,000	
5.0 ft	Dozer and stabilizer down	lb					*17,600	*17,600		*14,200	11,700		*11,900	8,400		*7,000	27.82
	2 sets of stabilizers down	lb					*17,600	*17,600		*14,200	13,500		*11,900	9,600		*7,000	
	Wide axle rear dozer up	lb					12,300	11,600		8,100	7,700		5,800	5,600		5,000	
	Rear dozer up	lb				16,200	11,300	9,800	10,700	7,600	6,700	7,800	5,600	4,900	6,700	4,800	27.20
0.0 ft	Rear dozer down	lb					*21,100	11,200		*15,800	7,600		11,500	5,600		*7,500	
	Dozer and stabilizer down	lb					*21,100	17,100		*15,800	11,200		11,800	8,200		*7,500	
	2 sets of stabilizers down	lb					*21,100	20,100		*15,800	13,000		12,000	9,400		*7,500	
	Wide axle rear dozer up	lb					11,300	10,700		7,700	7,300		5,600	5,400		4,800	
-5.0 ft	Rear dozer up	lb	*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	lb					*22,900	10,600		15,800	7,300		11,300	5,400		*8,300	
	Dozer and stabilizer down	lb					*22,900	16,300		16,000	10,900		11,500	8,000		*8,300	
	2 sets of stabilizers down	lb					*22,900	19,300		16,400	12,600		11,800	9,200		*8,300	
-10.0 ft	Wide axle rear dozer up	lb					10,600	10,100		7,300	7,000		5,400	5,200		4,900	22.64
	Rear dozer up	lb	*22,200	18,800	15,500	15,200	10,300	8,800	10,100	7,100	6,200	7,600	5,300	4,700	7,400	5,200	
	Rear dozer down	lb		*22,200	18,500		*22,500	10,300		15,500	7,100		11,200	5,300		*9,900	
	Dozer and stabilizer down	lb		*22,200	*22,200		*22,500	16,000		15,800	10,600		11,400	7,900		*9,900	
-10.0 ft	2 sets of stabilizers down	lb		*22,200	*22,200		*22,500	18,900		16,100	12,400		11,700	9,100		*9,900	22.64
	Wide axle rear dozer up	lb		18,800	17,400		10,300	9,800		7,100	6,800		5,300	5,100		5,200	
	Rear dozer up	lb	*28,000	19,000	15,700	15,200	10,300	8,800	10,100	7,100	6,100				8,600	6,100	
	Rear dozer down	lb		*28,000	18,700		*19,900	10,300		*14,500	7,100					*12,000	
-10.0 ft	Dozer and stabilizer down	lb		*28,000	*28,000		*19,900	16,000		*14,500	10,600					*12,000	22.64
	2 sets of stabilizers down	lb		*28,000	*28,000		*19,900	18,900		*14,500	12,300					*12,000	
	Wide axle rear dozer up	lb		19,000	17,600		10,300	9,800		7,100	6,800					6,100	
		lb														5,800	

\*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 – 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.



Load at maximum reach (sticknose/bucket pin)



Load over front



Load over rear



















Load over side



















Load point height

**Short  
Stick  
2200 mm  
(7'3")**

	Undercarriage configuration		3.0 m			4.5 m			6.0 m			7.5 m						
																	m	
6.0 m	Rear dozer up	kg							5000	3600	3150				*4450	3300	2900	6.29
	Rear dozer down	kg								*5850	3600					*4450	3300	
	Dozer and stabilizer down	kg								*5850	5250					*4450	*4450	
	2 sets of stabilizers down	kg							*5850	*5850	*5850					*4450	*4450	
	Wide axle rear dozer up	kg								3600	3450					3300	3150	
4.5 m	Rear dozer up	kg							4950	3500	3050				3750	2650	2350	7.10
	Rear dozer down	kg								*6250	3500					*4350	2650	
	Dozer and stabilizer down	kg								*6250	5150					*4350	3950	
	2 sets of stabilizers down	kg							*6250	*6250	5950					*4350	*4350	
	Wide axle rear dozer up	kg								3500	3350					2650	2550	
3.0 m	Rear dozer up	kg							4750	3350	2900	3400	2350	2050	3350	2350	2050	7.52
	Rear dozer down	kg								*6850	3350					*4500	2350	
	Dozer and stabilizer down	kg								*6850	5000		*4700	3550		*4500	3550	
	2 sets of stabilizers down	kg							*6850	*6850	5800	*4700	4100		*4500	*4500	4100	
	Wide axle rear dozer up	kg								3350	3200		2350	2250		2350	2250	
1.5 m	Rear dozer up	kg							4550	3150	2750	3300	2300	2000	3250	2250	1950	7.62
	Rear dozer down	kg								7050	3150		4950	2300		*4850	2250	
	Dozer and stabilizer down	kg								7150	4800		5100	3500		*4850	3400	
	2 sets of stabilizers down	kg							*7400	7300	5600	*5900	5200	4050		*4850	3950	
	Wide axle rear dozer up	kg								3150	3000		2300	2200		2250	2150	
0.0 m	Rear dozer up	kg							4450	3050	2650				3350	2300	2000	7.40
	Rear dozer down	kg								6900	3050					5000	2300	
	Dozer and stabilizer down	kg								7050	4700					5150	3500	
	2 sets of stabilizers down	kg							*7550	7200	5450					5250	4050	
	Wide axle rear dozer up	kg								3050	2900					2300	2200	
-1.5 m	Rear dozer up	kg	*10 150	8550	7000	6750	4500	3850	4400	3000	2600				3700	2550	2200	6.84
	Rear dozer down	kg		*10 150	8400		*9500	4500		6900	3050					5650	2550	
	Dozer and stabilizer down	kg		*10 150	*10 150		*9500	7100		7000	4650					5750	3900	
	2 sets of stabilizers down	kg		*10 150	*10 150		*9500	8450	*7050	*7050	5450					*5800	4550	
	Wide axle rear dozer up	kg			7900		4500	4250		3050	2900					2550	2450	
-3.0 m	Rear dozer up	kg	*10 050	8700	7150	6850	4600	3900							4700	3250	2800	5.83
	Rear dozer down	kg		*10 050	8550		*7700	4550								*5550	3250	
	Dozer and stabilizer down	kg		*10 050	*10 050		*7700	7200								*5550	4950	
	2 sets of stabilizers down	kg		*10 050	*10 050		*7700	*7700								*5550	*5550	
	Wide axle rear dozer up	kg			8700	8050		4600	4350							3250	3100	





















**Short  
Stick  
2200 mm  
(7'3")**

















	Undercarriage configuration		10.0 ft			15.0 ft			20.0 ft			25.0 ft						
																	ft	
20.0 ft	Rear dozer up	lb							10,800	7,700	6,800				*9,900	7,400	6,500	20.41
	Rear dozer down	lb								*11,400	7,700				*9,900	*9,900	7,400	
	Dozer and stabilizer down	lb								*11,400	11,300				*9,900	*9,900	*9,900	
	2 sets of stabilizers down	lb							*11,400	*11,400	*11,400				*9,900	*9,900	*9,900	
	Wide axle rear dozer up	lb								7,700	7,400				*9,900	*9,900	7,100	
15.0 ft	Rear dozer up	lb				*16,100	11,800	10,300	10,600	7,500	6,600				8,300	5,900	5,200	23.20
	Rear dozer down	lb					*16,100	11,700		*13,600	7,500					*9,600	5,900	
	Dozer and stabilizer down	lb					*16,100	*16,100		*13,600	11,100					*9,600	8,700	
	2 sets of stabilizers down	lb				*16,100	*16,100	*16,100	*13,600	*13,600	12,800				*9,600	*9,600	*9,600	
	Wide axle rear dozer up	lb					11,800	11,200		7,600	7,200					5,900	5,700	
10.0 ft	Rear dozer up	lb				15,800	10,900	9,400	10,200	7,200	6,300				7,400	5,200	4,500	24.64
	Rear dozer down	lb					*19,500	10,800		*14,800	7,200					*9,900	5,200	
	Dozer and stabilizer down	lb					*19,500	16,600		*14,800	10,700					*9,900	7,800	
	2 sets of stabilizers down	lb				*19,500	*19,500	*19,500	*14,800	*14,800	12,400				*9,900	*9,900	9,000	
	Wide axle rear dozer up	lb					10,900	10,300		7,200	6,900					5,200	5,000	
5.0 ft	Rear dozer up	lb				14,900	10,100	8,700	9,900	6,800	5,900				7,100	5,000	4,300	25.00
	Rear dozer down	lb					*22,000	10,100		15,200	6,800					*10,600	5,000	
	Dozer and stabilizer down	lb					*22,000	15,700		15,400	10,300					*10,600	7,500	
	2 sets of stabilizers down	lb				*22,000	*22,000	18,600	*16,000	15,800	12,000				*10,600	*10,600	8,700	
	Wide axle rear dozer up	lb					10,100	9,600		6,800	6,500					5,000	4,800	
0.0 ft	Rear dozer up	lb				14,500	9,700	8,300	9,600	6,600	5,700				7,300	5,100	4,400	24.28
	Rear dozer down	lb					*22,300	9,700		14,900	6,600					11,000	5,100	
	Dozer and stabilizer down	lb					*22,300	15,300		15,100	10,100					11,300	7,700	
	2 sets of stabilizers down	lb				*22,300	*22,300	18,200	*16,300	15,500	11,800				*12,200	11,600	8,900	
	Wide axle rear dozer up	lb					9,800	9,200		6,600	6,300					5,100	4,900	
-5.0 ft	Rear dozer up	lb	*23,200	18,300	15,100	14,500	9,700	8,300	9,500	6,500	5,600				8,200	5,600	4,900	22.41
	Rear dozer down	lb		*23,200	18,000		*20,600	9,700		14,800	6,500					12,500	5,700	
	Dozer and stabilizer down	lb		*23,200	*23,200		*20,600	15,300		15,100	10,000					12,700	8,600	
	2 sets of stabilizers down	lb	*23,200	*23,200	*23,200	*20,600	*20,600	18,100	*15,200	*15,200	11,700				*12,800	*12,800	10,000	
	Wide axle rear dozer up	lb		18,300	17,000		9,700	9,200		6,500	6,200					5,700	5,400	
-10.0 ft	Rear dozer up	lb	*21,800	18,700	15,400	14,700	9,900	8,500							10,500	7,200	6,200	19.00
	Rear dozer down	lb		*21,800	18,400		*16,600	9,900								*12,100	7,200	
	Dozer and stabilizer down	lb		*21,800	*21,800		*16,600	15,500								*12,100	11,000	
	2 sets of stabilizers down	lb	*21,800	*21,800	*21,800	*16,600	*16,600	*16,600							*12,100	*12,100	*12,100	
	Wide axle rear dozer up	lb		18,700	17,300		9,900	9,400								7,200	6,900	

# 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.

 Load at maximum reach (sticknose/bucket pin)		 Load over front			 Load over rear			 Load over side			 Load point height									
Medium Stick 2500 mm (8'3")		Undercarriage configuration			3.0 m			4.5 m			6.0 m			7.5 m						
																		m		
6.0 m	Rear dozer up	kg									5050	3650	3200				*3450	3000	2650	6.66
	Rear dozer down	kg									*5550	*5550	3650				*3450	*3450	3000	
	Dozer and stabilizer down	kg									*5550	*5550	5300				*3450	*3450	*3450	
	2 sets of stabilizers down	kg									*5550	*5550	3500				*3450	*3450	*3450	
	Wide axle rear dozer up	kg									3650	3500					3050	2900		
4.5 m	Rear dozer up	kg									4950	3550	3100				*3350	2500	2150	7.43
	Rear dozer down	kg									*6000	*6000	3550				*3350	*3350	2500	
	Dozer and stabilizer down	kg									*6000	*6000	5200				*3350	*3350	*3350	
	2 sets of stabilizers down	kg									*6000	*6000	3400				*3350	*3350	*3350	
	Wide axle rear dozer up	kg									3550	3400					2500	2400		
3.0 m	Rear dozer up	kg					7400	5100	4400	4800	3350	2950	3400	2400	2100	3150	2200	1950	7.84	
	Rear dozer down	kg					*8700	*8700	5100	*6650	*6650	3350		5050	2400		*3450	*3450		2200
	Dozer and stabilizer down	kg					*8700	*8700	7800	*6650	*6650	5000		5200	3550		*3450	*3450		3350
	2 sets of stabilizers down	kg					*8700	*8700	8700	*6650	*6650	5800	*5500	5300	4100	*3450	*3450	*3450		
	Wide axle rear dozer up	kg					5100	4850		3350	3200		2400	2300		2200	2150			
1.5 m	Rear dozer up	kg					7000	4750	4050	4600	3200	2750	3300	2300	2000	3050	2100	1850	7.93	
	Rear dozer down	kg					*10 000	*10 000	4700	*7300	*7300	4200		4950	2300		*3650	*3650		2150
	Dozer and stabilizer down	kg					*10 000	*10 000	7350	*7300	*7300	4800		5100	3500		*3650	*3650		3200
	2 sets of stabilizers down	kg					*10 000	*10 000	8700	*7300	*7300	5600	*5850	5200	4050	*3650	*3650	*3650		
	Wide axle rear dozer up	kg					4750	4500		3200	3050		2300	2200		2100	2050			
0.0 m	Rear dozer up	kg					6750	4550	3850	4450	3050	2650	3250	2250	1950	3150	2150	1850	7.72	
	Rear dozer down	kg					*10 350	*10 350	4500		6950	3050		4900	2250		*4100	*4100		2150
	Dozer and stabilizer down	kg					*10 350	*10 350	7150		7050	4700		5050	3400		*4100	*4100		3300
	2 sets of stabilizers down	kg					*10 350	*10 350	8500	*7550	7200	5450	*5850	5150	3950	*4100	*4100	3800		
	Wide axle rear dozer up	kg					4550	4300		3050	2900		2250	2150		2150	2050			
-1.5 m	Rear dozer up	kg	*9400	8450	6950	6700	4550	3800	4400	3000	2600					3450	2400	2050	7.19	
	Rear dozer down	kg	*9400	*9400	8350	*9750	*9750	4450		6850	3000					*5000	*5000	2400		
	Dozer and stabilizer down	kg	*9400	*9400	*9400	*9750	*9750	7100		7000	4650					*5000	*5000	3600		
	2 sets of stabilizers down	kg	*9400	*9400	*9400	*9750	*9750	8450	*7200	7150	5400					*5000	*5000	4200		
	Wide axle rear dozer up	kg	8500	7850		4500	4250		3000	2850						2400	2250			
-3.0 m	Rear dozer up	kg	*11 000	8650	7100	6800	4550	3900	4450	3050	2650					4250	2900	2550	6.24	
	Rear dozer down	kg		*11 000	8500		*8200	4550		*5800	3050					*5350	2900			
	Dozer and stabilizer down	kg		*11 000	*11 000		*8200	7150		*5800	4700					*5350	4450			
	2 sets of stabilizers down	kg		*11 000	*11 000		*8200	*8200		*5800	5500					*5350	5200			
	Wide axle rear dozer up	kg		8650	8000		4550	4300		3050	2950					2950	2800			

Medium Stick 2500 mm (8'3")		Undercarriage configuration		10.0 ft			15.0 ft			20.0 ft			25.0 ft							
																		ft		
20.0 ft	Rear dozer up	lb								10,900	7,800	6,900				*7,700	6,800	6,000	21.65	
	Rear dozer down	lb									*11,600	7,800				*7,700	*7,700	6,800		
	Dozer and stabilizer down	lb									*11,600	11,400				*7,700	*7,700	*7,700		
	2 sets of stabilizers down	lb									*11,600	*11,600				*7,700	*7,700	6,500		
	Wide axle rear dozer up	lb									7,800	7,500				*7,700	6,800	6,500		
15.0 ft	Rear dozer up	lb								10,700	7,600	6,700				*7,400	5,500	4,800	24.31	
	Rear dozer down	lb									*13,100	7,600				*7,400	*7,400	5,500		
	Dozer and stabilizer down	lb									*13,100	11,200				*7,400	*7,400	*7,400		
	2 sets of stabilizers down	lb									*13,100	12,900				*7,400	*7,400	*7,400		
	Wide axle rear dozer up	lb									7,600	7,300				*7,400	5,500	5,300		
10.0 ft	Rear dozer up	lb				16,000	11,000	9,600	10,300	7,300	6,300		7,300	5,100	4,500	7,000	4,900	4,300	25.69	
	Rear dozer down	lb					*18,700	11,000		*14,500	7,200			*10,600	5,100		*7,600	*7,600		4,900
	Dozer and stabilizer down	lb					*18,700	16,800		*14,500	10,800			*10,600	7,700		*7,600	*7,600		7,300
	2 sets of stabilizers down	lb					*18,700	18,700		*14,500	12,500			*10,600	8,900		*7,600	*7,600		*7,600
	Wide axle rear dozer up	lb					11,100	10,500			7,300	6,900			5,100	4,900		4,900	4,700	
5.0 ft	Rear dozer up	lb				15,000	10,200	8,800	9,900	6,900	6,000		7,200	5,000	4,300	6,700	4,700	4,100	26.02	
	Rear dozer down	lb					*21,600	10,200			15,200	6,900		10,700	5,000		*8,100	*8,100		4,700
	Dozer and stabilizer down	lb					*21,600	15,900			15,500	10,400		11,000	7,500		*8,100	*8,100		7,100
	2 sets of stabilizers down	lb					*21,600	18,800		*15,800	12,100			11,200	8,700		*8,100	*8,100		*8,100
	Wide axle rear dozer up	lb					10,200	9,700			6,900	6,600			5,000	4,800		4,700	4,500	
0.0 ft	Rear dozer up	lb				14,600	9,800	8,300	9,600	6,600	5,700		7,000	4,900	4,200	6,900	4,800	4,100	25.33	
	Rear dozer down	lb					*22,400	9,700			14,900	6,600		10,600	4,900		*9,100	*9,100		4,800
	Dozer and stabilizer down	lb					*22,400	15,400			15,200	10,100		10,800	7,400		*9,100	*9,100		7,300
	2 sets of stabilizers down	lb					*22,400	18,200		*16,300	15,500	11,800			11,100	8,600		*9,100		*9,100
	Wide axle rear dozer up	lb					9,800	9,300			6,600	6,300			4,900	4,600		4,800	4,600	
-5.0 ft	Rear dozer up	lb	*21,400	18,200	15,000	14,400	9,700	8,200	9,500	6,500	5,600					7,600	5,200	4,500	23.56	
	Rear dozer down	lb		*21,400	17,900		*21,100	9,600		14,800	6,500					*11,100	5,300			
	Dozer and stabilizer down	lb		*21,400	*21,400		*21,100	15,300		15,000	10,000					*11,100	8,000			
	2 sets of stabilizers down	lb		*21,400	*21,400		*21,100	18,100		*15,500	15,400	11,700				*11,100	9,300			
	Wide axle rear dozer up	lb		18,200	16,900		9,700	9,200			6,500	6,200					5,300	5,000		
-10.0 ft	Rear dozer up	lb	*23,800	18,500	15,300	14,600	9,800	8,400	9,700	6,600	5,700					9,400	6,500	5,600	20.34	
	Rear dozer down	lb		*23,800	18,300		*17,600	9,800		*12,300	6,600						*11,800	6,500		
	Dozer and stabilizer down	lb		*23,800	*23,800		*17,600	15,400			12,300	10,100					*11,800	9,900		
	2 sets of stabilizers down	lb		*23,800	*23,800		*17,600	*17,600		*12,300	*12,300	11,800					*11,800	11,600		
	Wide axle rear dozer up	lb		18,600	17,200		9,800	9,300			6,700	6,300					6,500	6,200		

## 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.



Load at maximum reach (sticknose/bucket pin)



Load over front



Load over rear



















Load over side




















Load point height

**Long  
Stick  
2800 mm  
(9'3")**

	Undercarriage configuration		3.0 m			4.5 m			6.0 m			7.5 m						
																	m	
6.0 m	Rear dozer up	kg							5150	3700	3250				*3050	2800	2500	7.00
	Rear dozer down	kg								*5200	3700					*3050	2800	
	Dozer and stabilizer down	kg								*5200	*5200					*3050	*3050	
	2 sets of stabilizers down	kg							*5200	*5200	*5200					*3050	*3050	
	Wide axle rear dozer up	kg								3700	3550					2800	2700	
4.5 m	Rear dozer up	kg							5000	3600	3150	3500	2500	2150	*2950	2350	2050	7.73
	Rear dozer down	kg							*5750	3600			*4050	2500	*2950	*2950	2350	
	Dozer and stabilizer down	kg							*5750	5250			*4050	3650	*2950	*2950	*2950	
	2 sets of stabilizers down	kg							*5750	*5750	*5750	*4050	*4050	*4050	*2950	*2950	*2950	
	Wide axle rear dozer up	kg								3600	3450		2500	2400		2350	2250	
3.0 m	Rear dozer up	kg				7500	5200	4500	4800	3400	2950	3450	2400	2100	3000	2100	1850	8.12
	Rear dozer down	kg					*8350	5150		*6450	3400		5100	2400	*3000	*3000	2100	
	Dozer and stabilizer down	kg					*8350	7900		*6450	5050		5200	3600	*3000	*3000	*3000	
	2 sets of stabilizers down	kg				*8350	*8350	*8350	*6450	5850		*5550	5350	4150	*3000	*3000	*3000	
	Wide axle rear dozer up	kg					5200	4950		3400	3250		2400	2300		2100	2000	
1.5 m	Rear dozer up	kg				7050	4800	4100	4600	3200	2800	3350	2300	2000	2900	2000	1750	8.21
	Rear dozer down	kg					*9800	4750		7100	3200		5000	2350	*3200	*3200	2050	
	Dozer and stabilizer down	kg					*9800	7450		*7150	4850		5100	3500	*3200	*3200	3050	
	2 sets of stabilizers down	kg				*9800	*9800	8800	*7150	*7150	5650	*5800	5250	4050	*3200	*3200	*3200	
	Wide axle rear dozer up	kg					4800	4550		3200	3050		2350	2200		2000	1950	
0.0 m	Rear dozer up	kg				6800	4550	3900	4450	3050	2650	3250	2250	1950	3000	2050	1800	8.01
	Rear dozer down	kg					*10 350	4550		6950	3050		4900	2250	*3600	*3600	2050	
	Dozer and stabilizer down	kg					*10 350	7150		7050	4700		5050	3450	*3600	*3600	3100	
	2 sets of stabilizers down	kg				*10 350	*10 350	8500	*7500	7200	5500	*5850	5150	4000	*3600	*3600	*3600	
	Wide axle rear dozer up	kg					4550	4300		3050	2950		2250	2150		2050	1950	
-1.5 m	Rear dozer up	kg	*9000	8400	6900	6700	4500	3800	4400	3000	2600				3250	2250	1950	7.50
	Rear dozer down	kg		*9000	8300		*9950	4450		6850	3000					*4250	2250	
	Dozer and stabilizer down	kg		*9000	*9000		*9950	7100		7000	4650					*4250	3400	
	2 sets of stabilizers down	kg	*9000	*9000	*9000	*9950	*9950	8400	*7300	7150	5400				*4250	*4250	3950	
	Wide axle rear dozer up	kg		8450	7800		4500	4250		3000	2850					2250	2150	
-3.0 m	Rear dozer up	kg	*11 850	8550	7050	6750	4500	3850	4450	3050	2600				3900	2700	2350	6.60
	Rear dozer down	kg		*11 850	8400		*8600	4500		*6250	3050					*5250	2700	
	Dozer and stabilizer down	kg		*11 850	*11 850		*8600	7150		*6250	4650					*5250	4100	
	2 sets of stabilizers down	kg	*11 850	*11 850	*11 850	*8600	*8600	8450	*6250	*6250	5450				*5250	*5250	4800	
	Wide axle rear dozer up	kg		8550	7950		4550	4300		3050	2900					2700	2550	
-4.5 m	Rear dozer up	kg				*5650	4700	4050							*4600	4000	3450	5.09
	Rear dozer down	kg					*5650	4700								*4600	3950	
	Dozer and stabilizer down	kg					*5650	*5650								*4600	*4600	
	2 sets of stabilizers down	kg				*5650	*5650	*5650								*4600	*4600	
	Wide axle rear dozer up	kg					4700	4450								4000	3800	






















**Long  
Stick  
2800 mm  
(9'3")**

















	Undercarriage configuration		10.0 ft			15.0 ft			20.0 ft			25.0 ft						
																		ft
20.0 ft	Rear dozer up	lb							11,000	7,900	7,000				*6,700	6,300	5,500	22.74
	Rear dozer down	lb								*11,200	7,900				*6,700	*6,700	6,300	
	Dozer and stabilizer down	lb								*11,200	*11,200				*6,700	*6,700	*6,700	
	2 sets of stabilizers down	lb							*11,200	*11,200	*11,200				*6,700	*6,700	*6,700	
	Wide axle rear dozer up	lb								7,900	7,600				6,300	6,100		
15.0 ft	Rear dozer up	lb							10,800	7,700	6,800	7,500	5,300	4,700	*6,500	5,200	4,600	25.30
	Rear dozer down	lb							*12,600	7,700			*7,600	5,300	*6,500	*6,500	5,200	
	Dozer and stabilizer down	lb								*12,600	11,300			*7,600	*7,600	*6,500	*6,500	
	2 sets of stabilizers down	lb							*12,600	*12,600	*12,600	*7,600	*7,600	*6,500	*6,500	*6,500	5,000	
	Wide axle rear dozer up	lb							7,700	7,400			5,300	5,100	5,200	5,000		
10.0 ft	Rear dozer up	lb				16,100	11,200	9,700	10,400	7,300	6,400	7,400	5,200	4,500	*6,700	4,700	4,100	26.61
	Rear dozer down	lb					*18,000	11,200		*14,000	7,300		11,000	5,200	*6,700	*6,700	4,700	
	Dozer and stabilizer down	lb					*18,000	17,000		*14,000	10,900		11,200	7,700	*6,700	*6,700	7,000	
	2 sets of stabilizers down	lb				*18,000	*18,000	*18,000	*14,000	*14,000	12,600	*11,600	11,500	8,900	*6,700	*6,700	*6,700	
	Wide axle rear dozer up	lb					11,200	10,700		7,300	7,000		5,200	5,000	4,700	4,500		
5.0 ft	Rear dozer up	lb				15,200	10,300	8,900	10,000	6,900	6,000	7,200	5,000	4,400	6,400	4,500	3,900	26.94
	Rear dozer down	lb					*21,200	10,300		15,300	6,900		10,700	5,000	*7,100	*7,100	4,500	
	Dozer and stabilizer down	lb					*21,200	16,000		*15,500	10,500		11,000	7,500	*7,100	*7,100	6,700	
	2 sets of stabilizers down	lb				*21,200	*21,200	18,900	*15,500	*15,500	12,200	*12,600	11,200	8,700	*7,100	*7,100	*7,100	
	Wide axle rear dozer up	lb					10,400	9,800		6,900	6,600		5,000	4,800	4,500	4,300		
0.0 ft	Rear dozer up	lb	*11,700	*11,700	*11,700	14,600	9,800	8,400	9,600	6,600	5,700	7,000	4,900	4,200	6,600	4,500	3,900	26.28
	Rear dozer down	lb		*11,700	*11,700		*22,400	9,800		14,900	6,600		10,600	4,900	*7,900	*7,900	4,500	
	Dozer and stabilizer down	lb		*11,700	*11,700		*22,400	15,400		15,200	10,100		10,800	7,400	*7,900	*7,900	6,900	
	2 sets of stabilizers down	lb	*11,700	*11,700	*11,700	*22,400	*22,400	18,300	*16,300	15,500	11,800	*12,700	11,100	8,600	*7,900	*7,900	*7,900	
	Wide axle rear dozer up	lb		*11,700	*11,700		9,800	9,300		6,600	6,300		4,900	4,600	4,500	4,300		
-5.0 ft	Rear dozer up	lb	*20,400	18,000	14,800	14,400	9,600	8,200	9,500	6,500	5,600				7,200	4,900	4,300	24.57
	Rear dozer down	lb		*20,400	17,800		*21,500	9,600		14,800	6,500				*9,500	*9,500	4,900	
	Dozer and stabilizer down	lb		*20,400	*20,400		*21,500	15,200		15,000	10,000				*9,500	*9,500	7,500	
	2 sets of stabilizers down	lb	*20,400	*20,400	*20,400	*21,500	*21,500	18,100	*15,800	15,300	11,700				*9,500	*9,500	8,700	
	Wide axle rear dozer up	lb		18,100	16,700		9,700	9,100		6,500	6,200				4,900	4,700		
-10.0 ft	Rear dozer up	lb	*25,700	18,400	15,100	14,500	9,700	8,300	9,600	6,600	5,700				8,700	6,000	5,200	21.52
	Rear dozer down	lb		*25,700	18,100		*18,500	9,700		*13,300	6,600				*11,600	*11,600	6,000	
	Dozer and stabilizer down	lb		*25,700	*25,700		*18,500	15,300		*13,300	10,100				*11,600	*11,600	9,100	
	2 sets of stabilizers down	lb	*25,700	*25,700	*25,700	*18,500	*18,500	18,200	*13,300	*13,300	11,700				*11,600	*11,600	10,600	
	Wide axle rear dozer up	lb		18,400	17,000		9,800	9,200		6,600	6,300				6,000	5,700		
-15.0 ft	Rear dozer up	lb				*11,700	10,200	8,700							*10,000	9,000	7,800	16.37
	Rear dozer down	lb					*11,700	10,100							*10,000	*10,000	9,000	
	Dozer and stabilizer down	lb				*11,700	*11,700	*11,700							*10,000	*10,000	*10,000	
	2 sets of stabilizers down	lb				*11,700	*11,700	*11,700							*10,000	*10,000	*10,000	
	Wide axle rear dozer up	lb					10,200	9,700							9,100	8,600		

# 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.

 Load at maximum reach (sticknose/bucket pin)	 Load over front	 Load over rear	 Load over side	 Load point height														
<div>Industrial Stick</div> <div>3300 mm (10'10")</div>		3.0 m			4.5 m			6.0 m			7.5 m							
	Undercarriage configuration															m		
	6.0 m	Rear dozer up	kg											*3250	2950	2600	7.30	
		Rear dozer down	kg												*3250	2950		
		Dozer and stabilizer down	kg												*3250	*3250		
		2 sets of stabilizers down	kg												*3250	*3250		
		Wide axle rear dozer up	kg												2950	2850		
	4.5 m	Rear dozer up	kg						5350	3900	3450	3800	2800	2500	*3250	2500	2250	8.01
		Rear dozer down	kg						*5650	3900			*4500	2800		*3250	2500	
		Dozer and stabilizer down	kg						*5650	5550			*4500	3950		*3250	*3250	
	2 sets of stabilizers down	kg						*5650	*5650	*3650	*4500	*4500	*4500	*3250	*3250	*3250		
	Wide axle rear dozer up	kg						3900	3750			2700	2400		2500	2400		
3.0 m	Rear dozer up	kg				7900	5600	4900	5150	3750	3300	3750	2700	2400	3150	2300	2050	8.38
	Rear dozer down	kg					*8000	5600		*6450	3700		5400	2700		*3350	2300	
	Dozer and stabilizer down	kg					*8000	*8000		*6450	5400		5500	3900		*3350	3300	
	2 sets of stabilizers down	kg				*8000	*8000		*6450	6200		*5600	*5600	4450	*3350	*3350	*3350	
	Wide axle rear dozer up	kg					5600	5350		3750	3600		2700	2600		2300	2200	
1.5 m	Rear dozer up	kg				7500	5200	4500	4950	3550	3100	3650	2600	2300	3050	2200	1950	8.47
	Rear dozer down	kg					*9750	5200		*7250	3550		5300	2600		*3600	2200	
	Dozer and stabilizer down	kg					*9750	7850		*7250	5200		5400	3800		*3600	3200	
	2 sets of stabilizers down	kg				*9750	9250		*7250	5950		*5950	5500	4350	*3600	*3600	*3600	
	Wide axle rear dozer up	kg					5200	4950		3550	3400		2600	2500		2200	2100	
0.0 m	Rear dozer up	kg	*6950	*6950	*6950	7200	4950	4250	4800	3400	2950	3550	2550	2250	3100	2200	1950	8.27
	Rear dozer down	kg		*6950	*6950		*10 650	4900		7250	3400		5200	2550		*4100	2250	
	Dozer and stabilizer down	kg		*6950	*6950		*10 650	7550		7400	5000		5300	3700		*4100	3250	
	2 sets of stabilizers down	kg	*6950	*6950	*6950	*10 650	*10 650	8900	*7750	7550	5800	*6200	5400	4250	*4100	*4100	3700	
	Wide axle rear dozer up	kg		*6950	*6950		4950	4700		3400	3250		2550	2450		2250	2150	
-1.5 m	Rear dozer up	kg	*9700	8800	7300	7050	4800	4150	4700	3300	2900	3500	2500	2200	3350	2400	2100	7.78
	Rear dozer down	kg		*9700	8650		*10 550	4800		7150	3300		5150	2500		4900	2400	
	Dozer and stabilizer down	kg		*9700	*9700		*10 550	7450		7300	4900		5250	3650		*4950	3500	
	2 sets of stabilizers down	kg	*9700	*9700	*9700	*10 550		8750	*7800	7450	5700	*6000	5350	4200	*4950	*4950	4000	
	Wide axle rear dozer up	kg		8800	8150		4800	4550		3300	3150		2500	2400		2400	2300	
-3.0 m	Rear dozer up	kg	*13 600	8850	7350	7050	4800	4150	4700	3300	2850				3900	2750	2400	6.92
	Rear dozer down	kg		*13 600	8750		*9550	4800		*7050	3300					5800	2750	
	Dozer and stabilizer down	kg		*13 600	*13 600		*9550	7400		*7050	4900					*5800	4050	
	2 sets of stabilizers down	kg	*13 600	*13 600	*13 600	*9550	*9550	8750	*7050	*7050	5700					*5800	4700	
	Wide axle rear dozer up	kg		8900	8250		4800	4550		3300	3150					2750	2650	
-4.5 m	Rear dozer up	kg	*10 050	9100	7550	7150	4900	4250							5350	3750	3300	5.50
	Rear dozer down	kg		*10 050	8950		*7300	4900								*5650	3750	
	Dozer and stabilizer down	kg		*10 050	*10 050		*7300	*7300								*5650	5650	
	2 sets of stabilizers down	kg	*10 050	*10 050	*10 050	*7300	*7300	*7300								*5650	*5650	
	Wide axle rear dozer up	kg		9100	8450		4950	4650								3800	3600	

Industrial Stick 3300 mm (10'10")		Undercarriage configuration			10.0 ft			15.0 ft			20.0 ft			25.0 ft						
																			ft	
20.0 ft	Rear dozer up	lb													*7,100	6,600	5,800	23.75		
	Rear dozer down	lb														*7,100	6,600			
	Dozer and stabilizer down	lb														*7,100	*7,100			
	2 sets of stabilizers down	lb														*7,100	*7,100			
	Wide axle rear dozer up	lb													*7,100	*7,100	6,300			
15.0 ft	Rear dozer up	lb								11,500	8,400	7,500	8,200	6,000	5,300	*7,100	5,600	4,900	26.18	
	Rear dozer down	lb									*12,300	8,400		*9,300	6,000		*7,100	5,600		
	Dozer and stabilizer down	lb									*12,300	12,000		*9,300	8,600		*7,100	*7,100		
	2 sets of stabilizers down	lb									*12,300	12,300	*9,300	*9,300	*9,300	*7,100	*7,100			
	Wide axle rear dozer up	lb									8,400	8,100		6,000	5,800		5,600	5,400		
10.0 ft	Rear dozer up	lb	*25,800	22,400	18,900	17,100	12,100	10,600	11,100	8,000	7,100	8,000	5,800	5,200	7,000	5,100	4,500	27.46		
	Rear dozer down	lb		*25,800	22,000		*17,300	12,100		*14,000	8,000		11,600	5,800		*7,400	5,100			
	Dozer and stabilizer down	lb		*25,800	*25,800		*17,300	*17,300		*14,000	11,600		11,900	8,400		*7,400	*7,400			
	2 sets of stabilizers down	lb		*25,800	*25,800	*17,300	*17,300	*17,300	*14,000	13,300	*12,000	*12,000	9,600	*7,400	*7,400	*7,400	7,300			
	Wide axle rear dozer up	lb		22,400	20,900		12,100	11,600		8,100	7,700		5,800	5,600		5,100	4,900			
5.0 ft	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	27.79		
	Rear dozer down	lb					*21,000	11,200		*15,700	7,600		11,400	5,600		*8,000	4,900			
	Dozer and stabilizer down	lb					*21,000	16,900		*15,700	11,200		11,600	8,200		*8,000	7,000			
	2 sets of stabilizers down	lb				*21,000	*21,000	19,900	*15,700	*15,700	12,900	*13,000	11,900	9,400	*8,000	*8,000	*8,000			
	Wide axle rear dozer up	lb				11,300	10,700		7,700	7,300		5,600	5,400		4,900	4,700				
0.0 ft	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	27.13		
	Rear dozer down	lb		*15,900	*15,900		*23,000	10,600		15,600	7,300		11,200	5,500		*9,000	4,900			
	Dozer and stabilizer down	lb		*15,900	*15,900		*23,000	16,300		15,900	10,800		11,500	8,000		*9,000	7,200			
	2 sets of stabilizers down	lb		*15,900	*15,900	*23,000	*23,000	19,200	*16,800	16,200	12,500	*13,400	11,700	9,200	*9,000	*9,000	8,200			
	Wide axle rear dozer up	lb		*15,900	*15,900		10,700	10,100		7,300	7,000		5,500	5,300		4,900	4,700			
-5.0 ft	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	25.49		
	Rear dozer down	lb		*22,000	18,600		*22,900	10,300		15,400	7,100		11,100	5,400		10,800	5,300			
	Dozer and stabilizer down	lb		*22,000	*22,000		*22,900	16,000		15,700	10,600		11,300	7,900		*10,900	7,700			
	2 sets of stabilizers down	lb		*22,000	*22,000	*22,900	*22,900	18,800	*16,800	16,000	12,300	*12,900	11,600	9,100	*10,900	*10,900	8,900			
	Wide axle rear dozer up	lb		18,900	17,600		10,400	9,900		7,100	6,800		5,400	5,200		5,300	5,000			
-10.0 ft	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	22.57		
	Rear dozer down	lb		*29,400	18,800		*20,600	10,300		*15,200	7,100					*12,800	6,100			
	Dozer and stabilizer down	lb		*29,400	*29,400		*20,600	16,000		*15,200	10,600					*12,800	9,000			
	2 sets of stabilizers down	lb		*29,400	*29,400	*20,600	*20,600	18,800	*15,200	*15,200	12,300					*12,800	10,400			
	Wide axle rear dozer up	lb		19,100	17,700		10,400	9,900		7,100	6,800					6,100	5,900			
-15.0 ft	Rear dozer up	lb	*21,400	19,500	16,300	*15,400	10,600	9,200							12,100	8,500	7,400	17.75		
	Rear dozer down	lb		*21,400	19,300		*15,400	10,600								*12,500	8,500			
	Dozer and stabilizer down	lb		*21,400	*21,400		*15,400	*15,400								*12,500	*12,500			
	2 sets of stabilizers down	lb		*21,400	*21,400	*15,400	*15,400	*15,400								*12,500	*12,500			
	Wide axle rear dozer up	lb		19,600	18,200		10,600	10,100								8,500	8,100			

# 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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