

| | M318D MH | M322D MH |
|---|---------------------|---------------------|
| Cat® C6.6 engine with ACERT™ Technology | | |
| Net power (ISO 9249) | 124 kW/169 hp | 123 kW/167 hp |
| Operating weight | 21 100 to 23 400 kg | 23 500 to 25 700 kg |
| Maximum reach (stick pin) | 11 000 mm | 12 480 mm |
| Maximum height (stick pin) | 12 040 mm | 13 300 mm |

M318D MH and M322D MH Wheel Material Handlers

The D series Material Handlers incorporate innovations for improved performance and versatility.

Engine

✓ Caterpillar's exclusive ACERTTM
Technology surpasses the most stringent emissions requirements in the construction industry. The EU Stage IIIA compliant C6.6 offers increased performance and reliability while reducing fuel consumption and sound levels. pg. 4

Hydraulics

✓ The state of the art load-sensing hydraulic system provides you with faster cycle times and increased productivity on any material handling job. pg. 5

Operator Comfort

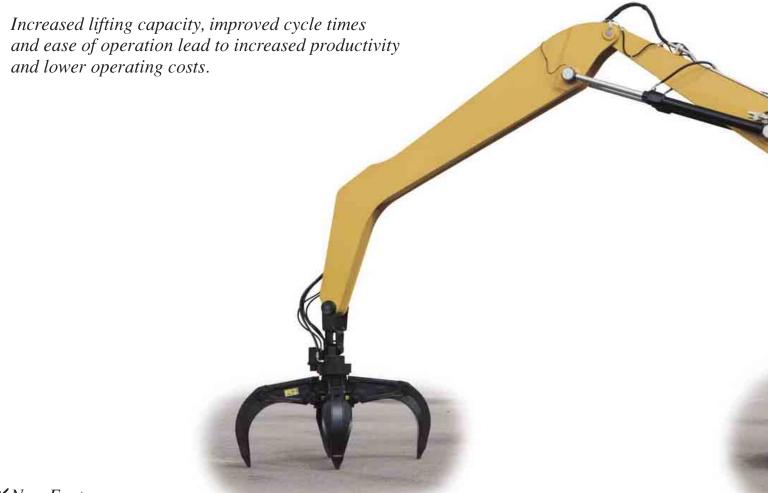
✓ The totally redesigned operator station maximizes comfort while increasing safety. The available auto-weight adjusted air-suspension seat with heated and cooled ventilated cushions improves operator comfort. Safety is enhanced by the new color monitor and optional rear-mounted camera. pg. 6

Environmentally Responsible Design

✓ Helping to protect our environment, the engine has low operator and spectator sound levels, longer filter change intervals and is more fuelefficient. pg. 4

SmartBoom™

✓ More productive. Faster cycle times for material handling. More fuel efficiency. pg. 5



✓ New Feature

Elevated Cab

✓ The new D-Series Material Handler elevated cab options have undergone many design changes to focus on operator safety and comfort while maintaining the best solution to maximize visibility to all sides of the machine. pg. 8

Undercarriage

Various undercarriage configurations are available to provide the best solution for your work environment; these configurations can include a dozer blade and/or outriggers depending on your needs. pg. 9

Booms and Sticks

Caterpillar® excavator booms and sticks are built for performance and long service life. The box section design provides the strength needed for even the toughest applications. Multiple boom and stick options allow you to pick the best match for your job. **pg. 10**

Versatility

Caterpillar offers a wide variety of factory-installed attachments that enhance performance and job site management. **pg. 11**

Serviceability

For increased safety, all daily maintenance points are accessible from ground level. A centralized greasing system allows lubrication of critical points. pg. 12

Complete Customer Service

Your Cat® dealer offers a wide range of services that can be set up under a customer support agreement when you purchase your equipment. Your dealer will help you choose a plan that can cover everything from machine and attachment selection to replacement. pg. 12



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 EU Stage IIIA engine emission regulations. The Cat C6.6 engine in the M318D MH and M322D MH deliver a maximum gross power of 130 kW (M318D) and 129 kW (M322D).

Low Fuel Consumption. The C6.6 is electronically controlled and uses the new 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 Material Handlers 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 2 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.

Environmentally Responsible Design

The D-Series Material Handlers help build a better world and preserve the fragile environment.

Fuel Efficiency. The Material Handlers 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 EU Stage IIIA compliant Cat C6.6 offers increased performance and reliability while reducing 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 (HEES™) is formulated to provide excellent high-pressure and high temperature characteristics, and is fully compatible with all hydraulic components. HEES is fully decomposed by soil or water microorganisms, providing a more environmentally sound alternative to mineral-based oils.

Fewer Leaks and Spills. Lubricant fillers and drains are designed to minimize spills. Cat O-Ring Face Seals, Cat XTTM 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 Caterpillar 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.

Hydraulics

Fast cycle times and increased lift capacity combine to maximize your productivity in any job.

Improved Implement Speed. Due to new spools and increased horsepower, the D-Series Material Handlers are able to offer even faster stick and swing speeds, leading to more productivity.

Dedicated Swing Pump. A dedicated, variable displacement piston pump and fixed displacement piston motor power the swing mechanism. 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 material handler by 7 percent. Heavy loads can be easily moved in the full working range of the machine, maintaining excellent stability and speed.

Adjustable Hydraulic Sensitivity. Adjustable Hydraulic Sensitivity allows the operator to adjust the aggressiveness of the machine according to the application. For precision work, one of three different levels of aggressiveness can be pre-selected.

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 pre-programmed work tools from the monitor. These preset hydraulic parameters support either oneway or two-way flow. The joystick sliding switches allow modulated control of the work tool.
- The Medium Pressure Function Valve provides proportional flow that is ideal for rotating tools.
- A new feature for the D-Series Material Handlers 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.

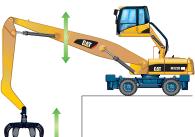


Stick Regeneration Circuit.

The Stick Regeneration Circuit increases efficiency and helps increase controllability for higher productivity and lower operating costs.

Hydraulic Snubbers. Caterpillar integrates its cylinder snubber technology into all Wheel Material Handler boom, stick and hydraulic cab riser cylinders. These snubbers help cushion shocks, reduce sound and increase cylinder life.

Caterpillar XT-6 ES Hoses. Premium quality rubber, precision 4-ply wire reinforcement and exclusive reusable couplings are all unique features that deliver top performance and long life.



SmartBoom. It allows the operator to fully concentrate on production. The unique Cat SmartBoom significantly enhances operator comfort and job efficiency. Loading is more productive and more fuel efficient as the return cycle is reduced while the boom down function does not require pump flow.

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 Material Handler Operator Station. The pressurized cab 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 the 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 features include a cigar lighter, ashtray, drink/bottle 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. Interior noise levels are substantially reduced due to the cab shell being attached to the frame with rubber mounts that limit vibration and sound transmitted from the frame.

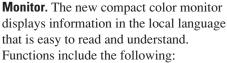




Viewing Area. To maximize visibility, all glass is affixed directly to the cab, eliminating the use of window frames. Choice of fixed or easy-to-open split front windshields meet operator preference and application conditions.

- The fixed front windshield comes with high-impact resistant, laminated glass.
- The 70/30 split front windshield opens with the upper portion able to be stored out of the way above the operator. The lower front windshield features a rounded design to maximize downward visibility and improves wiper coverage. This windshield option also features the one-touch action release system.
- The roof of the cab provides an additional viewing pane with a skylight for added upward visibility. Direct sunlight is diverted with the retractable sunshield.





- Five programmable "quick access" buttons for one-touch selection of favorite functions.
- Filter and oil change warnings displayed when the number of hours reaches the maintenance interval.
- Tool select functionality, allowing the operator to select up to ten pre-defined hydraulic work tools.
- Travel motor retarder selection to choose between three levels of aggressiveness in braking once the travel pedal is released.
- Rear camera viewing capabilities from the optional camera mounted on the counterweight.







New Deluxe Seat. The new 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.

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.







Lunch Box. A large, cooled storage compartment is located behind the operator's seat. The compartment provides sufficient room to store items such as a lunch box. An optional 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.

Elevated Cab

Fixed and hydraulic cab risers are available to maximize viewing to all sides of the machine.



Bottom Position. The bottom position is used for shipping and travel, allowing for safer transporting.



Top Position. The top position raises the cab by 2400 mm. This provides optimal viewing for all material handling jobs.

Hydraulic Cab Riser. The Hydraulic Cab Riser (HCR) design provides the most suitable solution when high flexibility in cab height is needed. Main features of the hydraulic riser include the following:

- Stability The lift arms on the HCR are a wide and deep box-sectioned design with improved top and bottom links for greater cab stability. Further stability is achieved with the help of the retractable hydraulic cylinders used to raise the cab.
- Speed Two heavy-duty hydraulic cylinders provide quicker and more controlled up and down travel than seen in the C-Series.
- Comfort The parallelogram design of the linkage allows the cab to remain level at all ranges of motion. HCR movement is also slowed as the cab reaches the end of the riser stroke, eliminating the effects of a sudden start/stop.
- Safety In the event of a hydraulic malfunction, the cab can be lowered using either a lever inside the cab or one on the frame at ground level.



Fixed Cab Riser. The fixed cab riser offers a very stable and comfortable method to raise the cab by 1200 mm to offer better viewing around the machine. Well positioned steps lead up to the cab from the ground level. Fixed cab riser option is only available for the M322D MH.

Undercarriage and Drive Line

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

Undercarriage Options. Effective hydraulic line routing, transmission protection and heavy-duty axles make Caterpillar's undercarriages perfect for material handler applications. The D-Series M318D MH and M322D MH come with the option of three different undercarriages in order to provide the greatest stability while performing your material handler jobs.

- Material Handling A new, standard design for the D-Series, the Material Handling undercarriage with four welded outriggers is ideal for the extra stability needed, especially when using a Hydraulic Cab Riser.
- Material Handling with Dozer Blade –
 An optional expansion to the Material
 Handling Undercarriage described
 above with an additional Dozer Blade
 mounted ahead of the front stabilizers
 to be used to push material commonly
 encountered in waste and mill yard
 applications.
- Pin-On/Bolt-On An optional undercarriage, the pin-on/bolt-on option allows for different kinds of stabilizers to be attached to the front and rear of the machine.

Heavy-Duty Axles. 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 eliminates the rocking effect associated with working free on wheels.



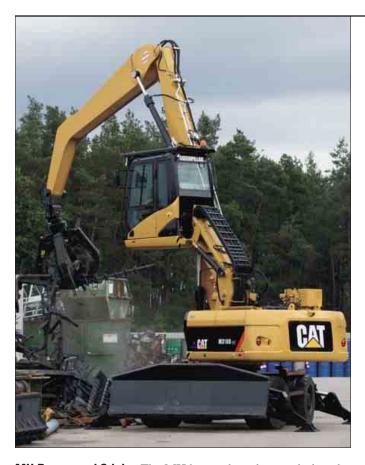


Drive Line Concept. The M318D MH and M322D MH driveline design effectively utilize the 19% increase in engine torque and 10% increase in power to provide a comfortable ride with improved smoothness, hydraulic retarding, and gear shifting commonly used during travel between material handling jobs.

Ground Clearance. A compact undercarriage design provides the M318D MH and M322D MH with optimum ground clearance during travel.

Booms and Sticks

Improved strength and kinematics help to bring higher production and efficiency to all jobs.



MH Booms and Sticks. The MH booms have been redesigned to handle increased lifting capacities. The new stick range offers leading side plates to maximize the protection of hydraulic lines. The lines are fitted in between the two side plates offering protection from damage. Multiple boom and stick options allow you to pick the best match for your job.

MH Booms. A specially designed MH boom is available to meet the functionality requirements demanded in material handling applications. The boom arrangements include high pressure hydraulic lines for opening and closing functionality and medium pressure lines for implement rotation.



M318D MH Sticks. Two options of MH sticks are available for the M318D MH, all equipped with high and medium pressure auxiliary lines. The 4900 mm Drop Nose Stick offers the reaching and lifting capabilities required for typical MH applications, while the 4200 mm Straight Stick is the best solution for when additional work tool functionality is needed.

M322D MH Sticks. Three options of MH sticks are available for the M322D MH, all equipped with high and medium pressure auxiliary lines. The 4900 mm Drop Nose Stick offers the reaching and lifting capabilities required for typical MH applications, while the 5900 mm Long Drop Nose Stick is ideal when maximum reach is necessary. The 4800 mm Straight Stick is the best solution when additional work tool functionality is needed.

Special Applications. The M318D MH and M322D MH can be further outfitted with additional boom and stick options (see Optional Equipment), offering the ability to combine the material handler's hydraulic cab riser with traditional excavator functionality. This combination has been proven in transfer station, mining, and mill yard applications.

Versatility

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



Tool Control. Ten hydraulic pump flow and pressure settings can be preset within the monitor, eliminating the need to adjust the hydraulics each time a tool is changed. Selecting the proper setting from the monitor menu instantly provides the operator with the correct amount of flow and pressure for the tool.

Orange Peel Grapple. The most common tool for material handling applications, this grapple is available in a range of sizes and provides a solution for a variety of material types. The grapple is free swinging and has unlimited left and right rotation.

Multi-Grapple. The Multi-Grapple with unlimited left and right rotation is the ideal tool for stripping, sorting, handling and loading. For the best control in forward and backward grapple mobility, pair the Multi-Grapple with the MH Straight Stick and linkage.

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.



Control Settings. Two selectable control settings are available to choose from in order to get the best power output from the engine and hydraulics and maintain optimum fuel efficiency.

- Economy Mode for precise material handling and loading with the added benefit of reduced fuel consumption.
- Power Mode for applications requiring fast volume loading and material casting.

Automatic Travel Mode. Automatically engaged when the travel pedal is depressed this mode provides maximum speed, drawbar pull and best in class fuel efficiency.

Product Link. Product Link can assist with Fleet Management to keep track of hours, location, security and product health.

Machine Security. An optional Machine Security System is available from the factory. This system controls who can operate the machine when, and utilizes specific keys to prevent unauthorized machine use.

Serviceability and Complete Customer Support

Simplified and easy maintenance save you time and money. Cat dealer services help you operating longer with lower costs.





Ground Level Maintenance. Caterpillar designed its D-Series Material Handlers 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 Material Handlers service and maintenance intervals have been extended to reduce machine service time, increase machine availability and reduce operating costs. Using S•O•S Scheduled Oil Sampling analysis, hydraulic oil change intervals can be extended up to 4000 hours. Engine coolant change intervals are 12 000 hours with Cat Extended Life Coolant.

Engine Oil. Caterpillar 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.

Self-Monitoring System with Auto-Diagnostics. The electronic engine and machine controllers provide detailed diagnostic capability for the service technicians. The ability to store active and intermittent indicators simplifies problem diagnosis and reduces total repair time, resulting in improved machine availability and lower operating cost.

Air Filters. Caterpillar 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™ 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.



Front Compartment. The front compartment hood can be opened vertically, providing outstanding ground level access to the batteries, air-to-air after cooler, air conditioner condenser and the air cleaner 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 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 Caterpillar 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, remote greasing blocks for the swing bearing and front-end-attachments have been provided to reduce maintenance time. For the undercarriage, two remote blocks provide easy access for greasing the oscillating axle and, as an option, the dozer blade.

New LED Rear Lights. Optional Light Emitting Diode (LED) rear lights replace the standard lights, for increased visibility on the job site, higher durability and longer life.





New Auto-Lube System. The new automatic lubrication system provides the optimal amount of grease to all the main lubrication points, including the bucket linkage. The lubrication interval can be adjusted through the monitor, and status messages for the auto-lube system are displayed.

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

Storage Box. Two toolboxes in the undercarriage provide enough storage room. Additionally a waterproof storage box can be integrated into the upper structure steps.

Product Support. You will find nearly all parts requirements at your local Caterpillar dealer parts counter. Cat dealers utilize a world-wide network to find in-stock parts to minimize your downtime. To save money use genuine Cat Reman parts. You will receive the same warranty and reliability as new products at a substantial cost savings.

Selection. Make detailed comparisons of the machines you are considering before you buy. How long do components last? What is the cost of preventive



maintenance? Your Cat dealer can give you precise answers to these questions to make sure you operate your machines at the lowest cost.

Purchase. Consider the financing options available as well as day-to-day operating costs. This is also the time to look at dealer services that can be included in the cost of the machine to yield lower equipment and owning and operating costs over the long run.

Operation. Improving operating techniques can boost your profits. Your Cat dealer has videotapes, literature and other ideas to help you increase productivity, and Caterpillar offers certified operator training classes to help maximize the return on your machine investment.

Maintenance. More and more equipment buyers are planning for effective maintenance before buying equipment. Choose from your dealer's wide range of maintenance services at the time you purchase your machine. Repair option programs guarantee the cost of repairs up front. Diagnostic programs such as S•O•S Fluid Analysis and Technical Analysis help you avoid unscheduled repairs.

Replacement. Repair, rebuild or replace? Your Cat dealer can help you evaluate the cost involved so you can make the right choice.

Engine

| | M318D | M322D |
|----------------------------|---------------|---------------|
| Cat C6.6 with ACERT Techn | nology | |
| Ratings | 1800 rpm | 2000 rpm |
| Gross power | 130 kW/177 hp | 129 kW/175 hp |
| Net power | | |
| ISO 9249 | 124 kW/169 hp | 123 kW/167 hp |
| EEC 80/1269 | 124 kW/169 hp | 123 kW/167 hp |
| Bore | 105 mm | 105 mm |
| Stroke | 127 mm | 127 mm |
| Displacement | 6.6 liters | 6.6 liters |
| Cylinders | 6 | 6 |
| Maximum torque at 1400 rpr | n 805 Nm | 750 Nm |

- All engine horsepower (hp) are metric including front page.
- EU Stage IIIA compliant.
- Full engine net power up to 3000 m altitude.

Transmission

| | M318D | M322D |
|-----------------------------|---------|---------|
| 1st gear, forward/reverse | 8 km/h | 7 km/h |
| 2nd gear, forward/reverse | 25 km/h | 25 km/h |
| Creeper speed (first gear) | 3 km/h | 3 km/h |
| Creeper speed (second gear) | 13 km/h | 11 km/h |
| Drawbar pull | 103 kN | 112 kN |
| Maximum Gradeability | 47% | 52% |

Undercarriage

| | M318D | M322D |
|------------------------|---------|---------|
| Ground clearance | 380 mm | 380 mm |
| Maximum steering angle | 35° | 35° |
| Oscillation axle angle | ± 6° | ± 6° |
| Minimum turning radius | | |
| Standard axle | | |
| outside of tire | 6800 mm | 6800 mm |
| end of VA boom | 7100 mm | 7800 mm |
| end of one-piece boom | 8500 mm | 9300 mm |

Cab

FOGS meets ISO 10262.

Hydraulic System

| | M318D | M322D |
|--------------------------|-----------|-----------|
| Tank capacity | 1701 | 2201 |
| System | 2701 | 335 1 |
| Maximum pressure | | |
| Implement circuit | | |
| normal | 350 bar | 350 bar |
| heavy lift | 375 bar | 375 bar |
| Travel circuit | 350 bar | 350 bar |
| Auxiliary circuit | | |
| high pressure | 350 bar | 350 bar |
| medium pressure | 200 bar | 200 bar |
| Swing mechanism | 310 bar | 340 bar |
| Maximum flow | | |
| Implement/travel circuit | 290 l/min | 350 l/min |
| Auxiliary circuit | | |
| high pressure | 250 l/min | 250 l/min |
| medium pressure | 50 l/min | 50 l/min |
| Swing mechanism | 112 l/min | 112 l/min |

Swing Mechanism

| | M318D | M322D |
|--------------|--------|--------|
| Swing speed | 10 rpm | 9 rpm |
| Swing torque | 46 kNm | 56 kNm |

Service Refill Capacities

| | M318D | M322D |
|------------------------------------|-------|-------|
| | Liter | Liter |
| Fuel tank capacity | 310 | 385 |
| Cooling | 32 | 33 |
| Engine crankcase | 15 | 15 |
| Rear axle housing (differential) | 14 | 14 |
| Front steering axle (differential) | 11 | 11 |
| Final drive | 2.5 | 2.5 |
| Powershift transmission | 2.5 | 2.5 |

Sound Levels

Operator Sound. The operator sound level measured according to the procedures specified in ISO 6394:1998 is 72 dB(A).

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).

Weights

| | M318D | M322D |
|------------------------------|--------|--------|
| MH boom | kg | kg |
| rear dozer only | 20 300 | 22 550 |
| rear dozer, front outriggers | 21 500 | 23 750 |
| front and rear outriggers | 21 850 | 24 100 |
| with MH undercarriage | 21 450 | 23 700 |
| with MH undercarriage | | |
| and push blade | 22 125 | 24 375 |
| VA boom | | |
| rear dozer only | 20 650 | 22 900 |
| rear dozer, front outriggers | 21 850 | 24 100 |
| front and rear outriggers | 22 200 | 24 450 |
| with MH undercarriage | 21 800 | 24 050 |
| with MH undercarriage | | |
| and push blade | 22 475 | 24 725 |
| One-piece boom | | |
| rear dozer only | 20 050 | 22 300 |
| rear dozer, front outriggers | 21 250 | 23 500 |
| front and rear outriggers | 21 600 | 23 850 |
| with MH undercarriage | 21 200 | 23 450 |
| with MH undercarriage | | |
| and push blade | 21 875 | 24 125 |

| | M318D | M322D |
|---------------------------------------|-------|-------|
| Sticks | kg | kg |
| MH straight | 950 | 1100 |
| MH drop nose short | 840 | 910 |
| MH drop nose long | _ | 1080 |
| digging short | 550 | 650 |
| digging medium | 580 | 700 |
| digging long | 600 | 780 |
| industrial | 520 | _ |
| MH push blade (with MH undercarriage) | 675 | 675 |
| Dozer blade | 770 | 920 |
| Outriggers | 1030 | 1260 |
| Counterweights | | |
| Standard | 4000 | 4400 |
| Optional | _ | 5400 |

Tire Options

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

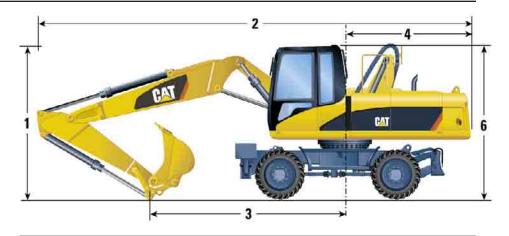
Work Tools Matching Guide

| | | Boom | M | 318D MH | – 6200 m | ım | M322D MH – 6800 mm | | | | ım | |
|-----------------------------------|------------|-------------------|----------|----------|-----------------|------|--------------------|----------|------------|-----------|------|------|
| | | Undercarriage | | 1H | Stan | dard | MH | | | Standard | | |
| Without quick coupler | | Stick length (mm) | 4900 | 4200 | 4900 | 4200 | 4900 | 5900 | 4800 | 4900 | 5900 | 4800 |
| 360° rotatable Shears* | S325, S340 | | | | | | | | | | | |
| Multi-Grapples | G315B | D, R | × | | × | | × | × | | × | × | |
| | COLLAED | 400, 500, 600 | | | | | | | | | | |
| Oranga Paul Grannlas | GSH15B | 800 | | | | | | | | | | |
| Orange Peel Grapples (5 tines) | | 600 | | | | | | | | | | |
| (5 tines) | GSH20B | 800 | | | | × | | | | | × | |
| | | 1000 | | | × | × | | | | × | × | × |
| | | 400, 500, 600 | | | | | | | | | | |
| O PI CI | GSH15B | 800 | | | | | | | | | | |
| Orange Peel Grapples (4 tines) | | 600 | | | | | | | | | | |
| (4 tilles) | GSH20B | 800 | | | | | | | | | | |
| | | 1000 | × | | × | | | | | | | × |
| With quick coupler | | | | | | | | | | | | |
| Oviek Couplers | CW-30, 30S | | × | | × | | × | × | × | × | × | × |
| Quick Couplers | CW-40, 40S | | × | × | × | × | × | × | | × | × | |
| Multi-Grapples | G315B | D, R | × | | × | | × | | | × | × | |
| * boom mounted | | | 360° Wor | king Ran | ae | | Maximu | ım Mater | ial densit | v 3000 kg | /m³ | |

Dimensions with Standard Undercarriage

All dimensions are approximate – measured in mm







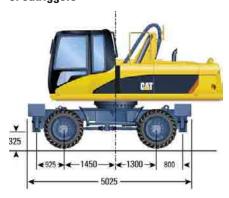




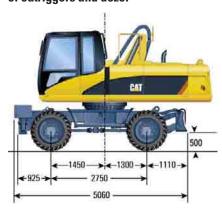
| | | M318D/ | M318D/M322D | | M318D/M322D | | |
|---|------------------------------------|--------|-------------|----------|-------------|--|--|
| | | V | A boom | One-piec | e boom | | |
| _ | | mm | mm | mm | mm | | |
| 1 | Shipping height | | | | | | |
| | 2200 mm stick | 3320 | 3350 | 3320 | 3350 | | |
| | 2500 mm stick | 3320 | 3350 | 3320 | 3350 | | |
| | 2800 mm stick | 3320 | _ | 3320 | _ | | |
| | 2900 mm stick | _ | 3350 | _ | 3350 | | |
| 2 | Shipping length | | | | | | |
| | 2200 mm stick | 8870 | 9550 | 8970 | 9750 | | |
| | 2500 mm stick | 8850 | 9550 | 8960 | 9720 | | |
| | 2800 mm stick | 8820 | _ | 8950 | _ | | |
| | 2900 mm stick | _ | 9540 | _ | 9720 | | |
| 3 | Support Point | | | | | | |
| | 2200 mm stick | 3960 | 4380 | 3830 | 4270 | | |
| | 2500 mm stick | 3640 | 3830 | 3500 | 3810 | | |
| | 2800 mm stick | 3510 | - | 3330 | _ | | |
| | 2900 mm stick | _ | 3530 | - | 3440 | | |
| 4 | Tail swing radius | 2500 | 2820 | 2500 | 2820 | | |
| 5 | Counterweight clearance | 1310 | 1310 | 1310 | 1310 | | |
| 6 | Cab height | | | | | | |
| | with 1200 mm Fixed Cab Raiser | _ | 4440 | _ | 4440 | | |
| | with hydraulic cab riser (lowered) | 3240 | 3240 | 3240 | 3240 | | |
| | with hydraulic cab riser (raised) | 5640 | 5640 | 5640 | 5640 | | |
| 7 | Stabilizer width on ground | 3960 | 3960 | 3960 | 3960 | | |



Undercarriage with 2 sets of outriggers

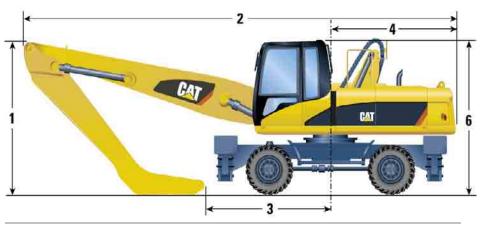


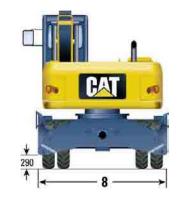
Undercarriage with 1 set of outriggers and dozer



Dimensions with MH Undercarriage

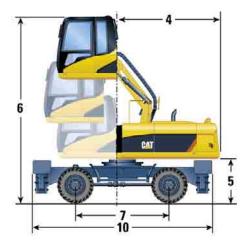
All dimensions are approximate – measured in mm





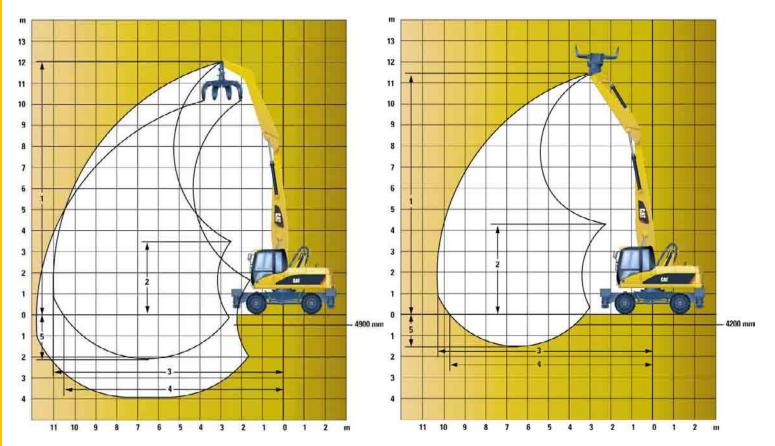
| | M318D | M322D |
|-------------------------------------|-------|--------|
| | mm | mm |
| 1 Shipping height | | |
| 4200 mm straight stick | 3400 | _ |
| 4800 mm straight stick | _ | 3410 |
| 4900 mm drop nose stick | 3400 | 3410 |
| 5900 mm drop nose stick (removed) | _ | 3350 |
| 5900 mm drop nose stick (installed) | _ | 5100 |
| 2 Shipping length | | |
| 4200 mm straight stick | 9060 | _ |
| 4800 mm straight stick | _ | 9870 |
| 4900 mm drop nose stick | 9060 | 9870 |
| 5900 mm drop nose stick (removed) | _ | 9930 |
| 5900 mm drop nose stick (installed) | _ | 15 130 |
| 3 Support Point | | |
| 4200 mm straight stick | 3160 | _ |
| 4800 mm straight stick | _ | 3250 |
| 4900 mm drop nose stick | 2720 | _ |
| 5900 mm drop nose stick (installed) | _ | 15 010 |
| 4 Tail swing radius | 2500 | 2820 |
| 5 Counterweight clearance | 1310 | 1310 |
| 6 Cab Height | | |
| with 1200 mm Fixed Cab Raiser | _ | 4440 |
| with Hydraulic Cab Riser (lowered) | 3240 | 3240 |
| with Hydraulic Cab Riser (raised) | 5640 | 5640 |
| 7 Wheel base | 2750 | 2750 |
| 8 Undercarriage width | 2990 | 2990 |
| 9 Stabilizer width on ground | 4360 | 4360 |
| 10 Undercarriage length | 5250 | 5250 |







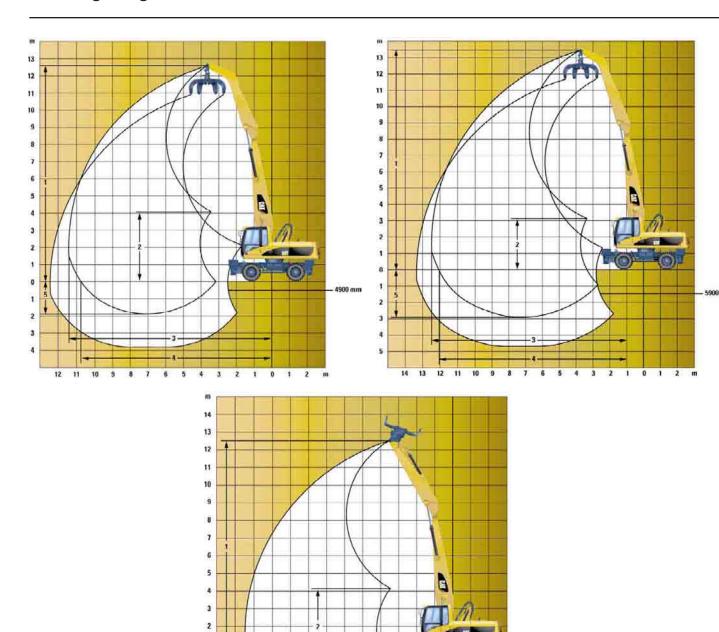
Working Ranges – M318D MH



Undercarriage Material Handling

| | | MH drop nose 4900 mm | MH straight stick 4200 mm |
|---------------------------------|----|-------------------------|------------------------------|
| Boom Length | mm | 6200 | 6200 |
| 1 Maximum Height | mm | 12 040 | 11 490 |
| 2 Minimum Dump Height | mm | 3690 | 4330 |
| 3 Maximum Reach | mm | 11 000 | 10 350 |
| 4 Maximum Reach at Ground Level | mm | 10 620 | 10 180 |
| 5 Maximum Depth | mm | 2190 | 1480 |

Working Ranges – M322D MH



Undercarriage Material Handling

| | | MH drop nose 4900 mm | MH drop nose 5900 mm | MH straight stick 4800 mm |
|---------------------------------|----|-------------------------|-------------------------|------------------------------|
| Boom Length | mm | 6800 | 6800 | 6800 |
| 1 Maximum Height | mm | 12 500 | 13 300 | 12 430 |
| 2 Minimum Dump Height | mm | 4030 | 3090 | 4120 |
| 3 Maximum Reach | mm | 11 530 | 12 480 | 11 430 |
| 4 Maximum Reach at Ground Level | mm | 10 850 | 12 050 | 11 280 |
| 5 Maximum Depth | mm | 1920 | 2920 | 1820 |

Lift Capacities – M318D MH

All weights are in kg.

| Unde Stand | ercarriage dard | Boo i 6200 | m) mm | | | Sticl 4200 | k) mm | | | | | | | | | | | | | |
|----------------------|---|----------------------------|------------------|--|--------------------------|-------------------|---|------------------------|----------------|--------------------------------------|------------------------|--------------|--------------------------------------|----------------------|--------------|--------------------------------------|------------------------|--------------|--------------------------------------|-------|
| _ | | | 3.0 m | | | 4.5 m | | | 6.0 m | | | 7.5 m | | | 9.0 m | | | | | |
| | Undercarriage configuration | | | œ | Į, | 9 | G- | | 7 | | | 7.5 | æ | | <u> </u> | | | P | | m |
| 10.5 m | 2 sets stab down Rear dozer up Rear dozer down Rear stab down Dozer and stab down | | | | *8400 *8400 *8400 | *8400 *8400 | *8400 6000 6800 8250 *8400 | | | | | | | | | | | | | |
| 9.0 m | 2 sets stab down Rear dozer up Rear dozer down Rear stab down Dozer and stab down | | | | | | | *8350 5700 *8350 | *8350 *8350 | 7500 3900 4400 5250 6450 | | | | | | | | | | |
| 7.5 m | 2 sets stab down Rear dozer up Rear dozer down Rear stab down Dozer and stab down | | | | | | | *8600 5750 *8600 | *8600 8550 | 7500 3900 4400 5250 6450 | *7350 4000 *7350 | 6550 5800 | 5200 2700 3050 3650 4500 | | | | *5200 3100 *5200 | 5100 4500 | 4050 2050 2350 2850 3550 | 8.64 |
| 6.0 m | 2 sets stab down Rear dozer up Rear dozer down Rear stab down Dozer and stab down | | | | *10900 9000 *10900 | *10900 *10900 | *10900 6000 6800 8200 10250 | *8800 5650 *8800 | *8800 8400 | 7400 3800 4300 5150 6350 | 7350 3950 7300 | 6500 5750 | 5150 2650 3000 3600 4450 | 5400 2900 5350 | 4800 4200 | 3800 1900 2200 2650 3300 | 4950 2650 4950 | 4400 3850 | 3500 1750 2000 2400 3050 | 9.46 |
| 4.5 m | 2 sets stab down Rear dozer up Rear dozer down Rear stab down Dozer and stab down | *14800 *14800 *14800 | *14800 *14800 | *14800 10800 12600 *14800 *14800 | *11850 8550 *11850 | *11850 *11850 | 11650 5600 6400 7800 9800 | *9200 5400 *9200 | *9200 8150 | 7150 3600 4100 4950 6150 | 7250 3850 7150 | 6400 5600 | 5000 2550 2900 3500 4350 | 5350 2850 5300 | 4750 4200 | 3750 1850 2150 2600 3250 | 4550 2400 4500 | 4000 3500 | 3200 1550 1800 2150 2750 | 10.10 |
| 3.0 m | 2 sets stab down Rear dozer up Rear dozer down Rear stab down Dozer and stab down | | | | *12850 7950 *12850 | *12850 *12850 | 10950 5050 5850 7200 9150 | *9550 5150 *9550 | 9050 7800 | 6850 3350 3850 4650 5850 | 7050 3700 7000 | 6200 5450 | 4805 2400 2750 3350 4200 | 5300 2800 5250 | 4650 4100 | 3700 1800 2050 2550 3200 | 4300 2250 4250 | 3750 3350 | 3000 1450 1650 2050 2600 | 10.28 |
| 1.5 m | 2 sets stab down Rear dozer up Rear dozer down Rear stab down Dozer and stab down | | | | *12900 7350 *12900 | *12900 12350 | 10300 4550 5300 6600 8550 | *9500 4850 *9500 | 8700 7500 | 6550 3100 3550 4400 5550 | 6900 3550 6850 | 6050 5300 | 4700 2250 2600 3200 4050 | 5200 2700 5150 | 4550 4000 | 3600 1750 2000 2450 3100 | 4250 2200 4200 | 3700 3250 | 2950 1400 1600 2000 2550 | 10.34 |
| 0 m | 2 sets stab down Rear dozer up Rear dozer down Rear stab down Dozer and stab down | | | | *9650 7050 *9650 | *9650 *9650 | *9650 4250 5000 6300 8200 | *8800 4650 *8800 | 8450 7250 | 6350 2900 3400 4200 5350 | 6750 3400 6700 | 5900 5150 | 4600 2150 2500 3100 3900 | 5150 3950 5100 | 2650 4500 | 3550 1700 1950 2400 3050 | | | | |

Undercarriage

Material Handling

Boom 6200 mm

Stick 4200 mm

| > | H-d | 3.0 |) m | 4.5 | i m | 6.0 | m | 7.5 | m | 9.0 | m | | | |
|-------------|--|--------------------|-------------------|-----------------|-----------------|---------------|---------------|---------------|--------------|---------------|--------------|---------------|--------------|-------|
| | Undercarriage configuration | Ū. | F | G. | æ | Ø. | æ | | æ | J | æ | | P | m |
| 10.5 m | All stabilizers up All stabilizers down | | | *8400 *8400 | 6550 *8400 | | | | | | | | | |
| 9.0 m | All stabilizers up All stabilizers down | | | | | 5650 *8350 | 4250 *8350 | | | | | | | |
| 7.5 m | All stabilizers up All stabilizers down | | | | | 5650 *8600 | 4300 *8600 | 3950 *7350 | 2950 6250 | | | 3100 *5200 | 2300 4900 | 8.64 |
| 6.0 m | All stabilizers up All stabilizers down | | | 8850 *10 900 | 6550 *10 900 | 5550 *8800 | 4200 *8800 | 3900 *7400 | 2950 6200 | 2900 5700 | 2150 4600 | 2650 *5050 | 1950 4250 | 9.46 |
| 4.5 m | All stabilizers up All stabilizers down | *14 800 *14 800 | 11 750 *14 800 | 8400 *11 850 | 6150 *11 850 | 5350 *9200 | 4000 8750 | 3800 *7500 | 2800 6100 | 2850 5650 | 2100 4550 | 2400 4750 | 1750 3850 | 10.00 |
| 3.0 m | All stabilizers up All stabilizers down | | | 7800 *12 850 | 5600 *12 850 | 5100 *9550 | 3700 8400 | 3650 7400 | 2700 5900 | 2800 5550 | 2050 4500 | 2250 4550 | 1650 3650 | 10.28 |
| 1.5 m | All stabilizers up All stabilizers down | | | 7250 *12 900 | 5100 *12 900 | 4800 *9500 | 3450 8100 | 3500 7250 | 2550 5750 | 2700 5500 | 1950 4400 | 2200 *4300 | 1600 3600 | 10.43 |
| 0 m | All stabilizers up All stabilizers down | | | 6900 *9650 | 4800 *9650 | 4600 *8800 | 3300 7850 | 3400 *6800 | 2450 5650 | 2650 *5150 | 1900 4350 | | | |











* Limited by hydraulic rather than tipping load. Lift capacity ratings are based on ISO 10567, they do not exceed 87% of hydraulic lifting capacity or 75% of tipping load. Oscillating axle must be locked.

| Unde Stand | rcarriage dard | | | om 00 mi | n | | Sti 490 | ck 00 mr | n | | | | | | | | | | | | | | |
|----------------------|---|---------------------------|------------------|---|--------------------------|------------------|---|------------------------|----------------|--|------------------------|---------------|--------------------------------------|------------------------|--------------|--------------------------------------|------------------------|--------------|--------------------------------------|------------------------|---------------|--------------------------------------|-------|
| > | Undercarriage | | 3.0 m | | | 4.5 m | | | 6.0 m | | | 7.5 m | | | 9.0 m | | | 10.5 m | | | | | |
| | configuration | | P | | | 7 | | | q | CP- | | P | | | P | | | | | | P | | m |
| 10.5 m | 2 sets stab down Rear dozer up Rear dozer down Rear stab down Dozer and stab down | | | | | | | *6500 5800 *6500 | *6500 *6500 | *6500 4000 4500 5350 *6500 | | | | | | | | | | | | | |
| 9.0 m | 2 sets stab down Rear dozer up Rear dozer down Rear stab down Dozer and stab down | | | | | | | *7850 5950 *7850 | *7850 *7850 | 7700 4100 4600 5450 6650 | *6300 4150 *6300 | *6300 5950 | 5350 2850 3200 3800 4650 | | | | | | | | | | |
| 7.5 m | 2 sets stab down Rear dozer up Rear dozer down Rear stab down Dozer and stab down | | | | | | | *8200 5950 *8200 | *8200 *8200 | 7700 4100 4600 5450 6650 | *7150 4150 *7150 | 6750 5950 | 5350 2850 3200 3800 4650 | *5500 3050 *5500 | 4950 4400 | 3950 2050 2350 2800 3450 | | | | *4450 2800 *4450 | *4450 4050 | 3650 1900 2150 2550 3200 | 9.42 |
| 6.0 m | 2 sets stab down Rear dozer up Rear dozer down Rear stab down Dozer and stab down | | | | | | | *8450 5800 *8450 | *8450 *8450 | 7600 4000 4500 5350 6550 | *7250 4100 *7250 | 6700 5900 | 5300 2800 3150 3750 4600 | 5550 3050 5500 | 4950 4350 | 3950 2050 2300 2800 3450 | | | | *4300 2450 *4300 | 4000 3550 | 3250 1650 1850 2250 2800 | 10.18 |
| 4.5 m | 2 sets stab down Rear dozer up Rear dozer down Rear stab down Dozer and stab down | | | | *11200 8900 *11200 | *11200 *11200 | *11200 5900 6700 8100 10100 | *8950 8350 *8950 | 5600 *8950 | 7350 3800 4300 5150 6350 | 7400 3950 7350 | 6550 5750 | 5150 2700 3050 3650 4500 | 5500 3000 5450 | 4850 4300 | 3900 2000 2250 2700 3400 | 4300 2350 4250 | 3800 3350 | 3005 1500 1750 2100 2650 | 4200 2250 4150 | 3700 3250 | 2950 1450 1700 2050 2600 | 10.68 |
| 3.0 m | 2 sets stab down Rear dozer up Rear dozer down Rear stab down Dozer and stab down | *18650 16900 *18650 | *18650 *18650 | | *12450 8300 *12450 | *12450 *12450 | 11350 5400 6150 7500 9500 | *9450 5350 *9450 | 9250 8050 | 7050 3550 4000 4850 6050 | 7200 3800 7150 | 6350 5600 | 5000 2550 2900 3500 4350 | 5400 2900 5350 | 4750 4200 | 3800 1900 2200 2650 3300 | 4250 2300 4200 | 3750 3300 | 3000 1500 1700 2100 2600 | 4000 2150 3950 | 3500 3100 | 2850 1400 1600 1950 2450 | 10.94 |
| 1.5 m | 2 sets stab down Rear dozer up Rear dozer down Rear stab down Dozer and stab down | | | | *13100 7650 *13100 | *13100 12700 | 10650 4850 5600 6900 8850 | *9650 5050 *9650 | 8900 7700 | 6750 3250 3750 4550 5750 | 7050 3650 6950 | 6200 5400 | 4850 2400 2750 3300 4150 | 5300 2800 5250 | 4650 4100 | 3700 1850 2100 2550 3200 | 4200 2250 4150 | 3700 3300 | 2950 1450 1650 2050 2550 | 3950 2100 3900 | 3450 3050 | 2800 1350 1550 1900 2400 | 11.00 |
| 0 m | 2 sets stab down Rear dozer up Rear dozer down Rear stab down Dozer and stab down | *3500 *3500 *3500 | *3500 *3500 | *3500 *3500 *3500 *3500 *3500 | *12200 7250 *12200 | *12200 12150 | 10150 4450 5200 6500 8400 | *9300 4800 *9300 | 8600 7400 | 6500 3050 3500 4300 5500 | 6850 3550 6800 | 6050 5250 | 4700 2250 2600 3200 4050 | 5200 2750 5150 | 4600 4050 | 3650 1750 2050 2500 3150 | *4100 3250 *4100 | 2200 3650 | 2950 1400 1650 2000 2550 | | | | |
| -1.5 m | 2 sets stab down Rear dozer up Rear dozer down Rear stab down Dozer and stab down | | | | *9600 7050 *9600 | *9600 *9600 | *9600 4250 5000 6300 8200 | *8100 4650 *8100 | *8100 7250 | 6350 2900 3400 4200 5350 | *6300 3450 *6300 | 5950 5150 | 4600 2200 2500 3100 3950 | *4750 2700 *4750 | 4550 4000 | 3600 1700 2000 2450 3100 | | | | | | | |

Undercarriage

Material Handling

Boom

6200 mm

Stick

4900 mm

| >> | Undercarriage | 3.0 |) m | 4.5 | ī m | 6.0 |) m | 7.5 | m | 9.0 | m | 10. | 5 m | | | |
|--------|--|-------------------|----------------|-----------------|-----------------|---------------|---------------|---------------|---------------|---------------|--------------|---------------|--------------|---------------|--------------|-------|
| | configuration | | GP- | | | | | | | | | | | | | m |
| 10.5 m | All stabilizers up All stabilizers down | | | | | 5750 *6500 | 4350 *6500 | | | | | | | | | |
| 9.0 m | All stabilizers up All stabilizers down | | | | | 5850 *7850 | 4450 *7850 | 4100 *6300 | 3100 *6300 | | | | | | | |
| 7.5 m | All stabilizers up All stabilizers down | | | | | 5850 *8200 | 4450 *8200 | 4100 *7150 | 3150 6400 | 3050 *5500 | 2300 4750 | | | 2800 *4450 | 210 4400 | 9.42 |
| 6.0 m | All stabilizers up All stabilizers down | | | | | 5750 *8450 | 4350 *8450 | 4050 *7250 | 3100 6350 | 3050 5850 | 2300 4750 | | | 2450 *4300 | 1850 3900 | 10.18 |
| 4.5 m | All stabilizers up All stabilizers down | | | 8750 *11 200 | 6450 *11 200 | 5550 *8950 | 4150 *8950 | 3950 *7450 | 2950 6250 | 3000 5800 | 2250 4700 | 2350 4550 | 1700 3700 | 2250 *4350 | 1650 3600 | 10.68 |
| 3.0 m | All stabilizers up All stabilizers down | 16 200 *18 650 | | 8150 *12 450 | 5900 *12 450 | 5250 *9450 | 3900 8600 | 3800 7550 | 2850 6050 | 2900 5700 | 2150 4600 | 2300 4500 | 1700 3650 | 2150 4200 | 1550 3450 | 10.94 |
| 1.5 m | All stabilizers up All stabilizers down | | | 7550 *13 100 | 5350 *13 100 | 5000 *9650 | 3650 8300 | 3650 7350 | 2700 5900 | 2800 5600 | 2050 4500 | 2250 4450 | 1650 3600 | 2100 4150 | 1550 3350 | 11.00 |
| 0 m | All stabilizers up All stabilizers down | *3500 *3500 | *3500 *3500 | 7100 *12 200 | 4950 *12 200 | 4750 *9300 | 3400 8000 | 3500 7200 | 2550 5750 | 2750 5500 | 2000 4450 | 2200 *4100 | 1600 3550 | | | |
| -1.5 m | All stabilizers up All stabilizers down | | | 6900 *9600 | 4800 *9600 | 4600 *8100 | 3300 7850 | 3400 *6300 | 2450 5650 | 2700 *4750 | 1950 4350 | | | | | |

Lift Capacities – M322D MH

All weights are in kg.

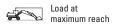
| Unde Stand | ercarriage dard | Boo 6800 | m) mm | | | Sticl 4800 | () mm | | | | | | | | | | | | | |
|----------------------|---|---------------------------|------------------|---|--------------------------|-------------------|--------------------------------------|------------------------|--------------|--------------------------------------|--------------------------------------|--------------|--------------------------------------|--------------------------------------|--------------|--------------------------------------|----------------------|--------------|--------------------------------------|-------|
| | | | 4.5 m | | | 6.0 m | | | 7.5 m | | | 9.0 m | | | 10.5 m | | | | | |
| | Undercarriage configuration | | P | æ | Q. | P | æ | | q | æ | I. | q | æ | I. | P | æ | Q, | n | GP- | m |
| 10.5 m | 2 sets stab down Rear dozer up Rear dozer down Rear stab down Dozer and stab down | | | | *9150 6950 *9150 | *9150 *9150 | 8950 4900 5450 6400 7750 | | | | | | | | | | | | | |
| 9.0 m | 2 sets stab down Rear dozer up Rear dozer down Rear stab down Dozer and stab down | | | | *9300 7050 *9300 | *9300 *9300 | 9050 5000 5550 6500 7850 | *8050 4900 *8050 | 7900 7000 | 6250 3400 3800 4500 5450 | | | | | | | | | | |
| 7.5 m | 2 sets stab down Rear dozer up Rear dozer down Rear stab down Dozer and stab down | | | | *9350 7000 *9350 | *9350 *9350 | 9000 4950 5500 6450 7800 | *8000 4850 *8000 | 7850 7000 | 6200 3400 3800 4500 5450 | 6400 3600 6350 | 5750 5100 | 4600 2450 2800 3300 4000 | | | | 5450 3000 5400 | 4850 4300 | 3900 2050 2300 2750 3400 | 9.91 |
| 6.0 m | 2 sets stab down Rear dozer up Rear dozer down Rear stab down Dozer and stab down | | | | *9700 6800 *9700 | *9700 *9700 | 8800 4750 5350 6300 7650 | *8150 4750 *8150 | 7750 6850 | 6100 3350 3700 4400 5350 | 6350 3550 6300 | 5700 5050 | 4550 2450 2750 3250 4000 | 4900 2700 4900 | 4400 3900 | 350 1800 2050 2450 3050 | 4800 2650 4750 | 4300 3800 | 3450 1750 2000 2400 3000 | 10.64 |
| 4.5 m | 2 sets stab down Rear dozer up Rear dozer down Rear stab down Dozer and stab down | *13150 10350 *13150 | *13150 *13150 | *13150 7000 7900 9450 11700 | *10250 6500 *10250 | *10250 9700 | 8500 4500 5050 6000 7300 | *8400 4600 *8400 | 7550 6700 | 5950 3150 3550 4200 5150 | 6250 3450 6200 | 5600 5000 | 4450 2350 2650 3150 3900 | 4900 2700 4850 | 4350 3850 | 3500 1800 2050 2450 3050 | 4450 2450 4400 | 3950 3500 | 3150 1600 1800 2200 2750 | 11.12 |
| 3.0 m | 2 sets stab down Rear dozer up Rear dozer down Rear stab down Dozer and stab down | *14450 9500 *14450 | *14450 *14450 | 12900 6250 7150 8650 10800 | *10750 6150 *10750 | 10650 9250 | 8050 4150 4700 5600 6900 | 8200 6450 8150 | 4400 7300 | 5700 2950 3350 4000 4950 | 6150 3350 5500 4850 6100 | 4350 3750 | 2250 2550 3050 | 4850 2650 4300 3800 4800 | 3450 2950 | 1750 2000 2400 | 4250 2300 4200 | 3800 3350 | 3000 1500 1700 2100 2600 | 11.38 |
| 1.5 m | 2 sets stab down Rear dozer up Rear dozer down Rear stab down Dozer and stab down | *14850 8700 *14850 | *14850 14500 | 12000 5550 6400 7850 10000 | *10900 5750 *10900 | 10150 8800 | 7650 3800 4300 5200 6500 | 7950 4200 7900 | 7100 6200 | 5500 2800 3150 3800 4750 | 6000 3200 5950 | 5350 4700 | 4200 2150 2450 2900 3650 | 4750 2550 4700 | 4250 3750 | 3350 1650 1900 2300 2900 | 4200 2250 4150 | 3700 3300 | 2950 1450 1700 2050 2550 | 11.43 |
| 0 m | 2 sets stab down Rear dozer up Rear dozer down Rear stab down Dozer and stab down | *9900 8200 *9900 | *9900 *9900 | *9900 5100 5950 7400 9500 | *10350 5450 *10350 | 9800 8500 | 7350 3500 4050 4950 6250 | 7750 4000 7700 | 6900 6000 | 5300 2600 3000 3650 4550 | 5900 3100 5850 | 5250 4600 | 4100 2050 2350 2850 3550 | 4700 2500 4650 | 4150 3700 | 3300 1600 1850 2250 2850 | | | | |
| -1.5 m | 2 sets stab down Rear dozer up Rear dozer down Rear stab down Dozer and stab down | | | | *8850 5300 *8850 | *8850 8300 | 7150 3400 3900 4800 6050 | *7000 3900 *7000 | 6750 5900 | 5200 2500 2900 3550 4450 | | | | | | | | | | |





Load over rea





^{*} Limited by hydraulic rather than tipping load. Lift capacity ratings are based on ISO 10567, they do not exceed 87% of hydraulic lifting capacity or 75% of tipping load. Oscillating axle must be locked.

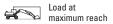
Undercarriage Stick Boom Standard 6800 mm 4900 mm 4.5 m 6.0 m 7.5 m 10.5 m 9 0 m Undercarriage P ķħ, b m configuration 2 sets stab down *9200 *6350 Rear dozer up Rear dozer down *9200 *6350 Rear stab down *9200 *9200 *6350 Dozer and stab down 9.0 m 2 sets stab down *9300 *8100 Rear dozer up Rear dozer down *9300 Rear stab down *9300 *8100 Dozer and stab down 2 sets stab down *9400 *8100 3900 10.02 7.5 m Rear dozer up Rear dozer down *9400 Rear stab down *9400 *8100 Dozer and stab down 2 sets stab down *9750 *8250 10.74 6.0 m Rear dozer up Rear dozer down *9750 Rear stab down *9750 *9750 *8250 Dozer and stab down 11.22 2 sets stab down *13200 *13200 *10300 *8500 4.5 m Rear dozer up Rear dozer down Rear stab down Dozer and stab down £13200 *10300 *8500 2 sets stab down 11.47 3.0 m Rear dozer up Rear dozer down Rear stab down Dozer and stab down *14550 *10900 £11100 11.52 2 sets stab down Rear dozer up Rear dozer down Rear stab down ÷15100 Dozer and stab down 2 sets stab down Rear dozer up Rear dozer down Rear stab down Dozer and stab down ⁶9200 ⁴7250 2 sets stab down -1.5 m Rear dozer up *9200 Rear dozer down Rear stab down *9200 *7250 Dozer and stab down





Load over rea

Load over sid



^{*} Limited by hydraulic rather than tipping load. Lift capacity ratings are based on ISO 10567, they do not exceed 87% of hydraulic lifting capacity or 75% of tipping load. Oscillating axle must be locked.

Lift Capacities – M322D MH All weights are in kg.

| | der o | carriage ard | | Boom 6800 n | nm | Stick 5900 n | nm | | | | |
|--------|---------------|---|---|---|---|---|---|---|---|---|---|
| | E | | | | 11.11 | 11.76 | 12.20 | 12.43 | 12.48 | | |
| | | | | | 3350 1750 2000 2350 2900 | 3000 1550 1750 2100 2650 | 2850 1450 1650 1950 2450 | 2700 1350 1550 1900 2350 | 2650 1300 1500 1850 2300 | | |
| | | | | | 4150 | 3750 | 3500 3150 | 3400 | 3350 | | |
| | = | | | | *4400 2600 *4400 | 4200 2350 4150 | 3950 2150 3900 | 3800 2050 3750 | 3750 2050 3700 | | |
| | | | | | | | 2900 1500 1700 2050 2550 | 2850 1450 1650 2000 2500 | 2850 1400 1600 1950 2450 | 2800 1350 1600 1900 2400 | |
| 12.0 m | G. | | | | | | 3200 | 3200 | 3550 3150 | 3500 3100 | |
| | = | | | | | 1950 | 4050 2250 4000 | 4000 2200 4000 | 3950 2150 3950 | 3950 2150 3900 | |
| | | | | | 3700 2000 2250 2650 3250 | 3700 2200 2650 3200 | 3650 1900 2150 2550 3150 | 3550 1850 2100 2500 3100 | 3450 1750 2000 2400 3000 | 3400 1700 1950 2350 2950 | 3300 1650 1900 2300 2850 |
| 10.5 m | _ | | | | 4600 | 4550 | 4500 | 4400 3950 | 4350 3850 | 4250 3750 | 4200 3700 |
| | = | | | | 5100 2900 5100 | 5100 2850 5050 | 5050 2800 5000 | 4950 2750 4900 | 4850 2650 480 | 4750 2600 4750 | 4700 2550 4650 |
| | | | | 4800 2650 2905 3500 4200 | 4800 2650 2950 3500 4200 | 4750 2600 2900 3450 4150 | 4650 2500 2800 3350 4050 | 4500 2400 2700 3200 3900 | 4350 2250 2550 3050 3800 | 4200 2100 2400 2900 3650 | 4100 2050 2350 2800 3550 |
| 9.0 m | _ | | | 5950 5350 | 6000 | 5900 5250 | 5800 5150 | 5650 | 5500 | 5350 4700 | 5250 4600 |
| | = | | | 3800 | 3800 | 9750 3750 6550 | 6450 3650 6400 | 6300 3500 6250 | 6150 3350 6100 | 6000 3200 5950 | 5900 3100 5850 |
| | | | 6450 3600 4000 4700 5650 | 6500 3700 4100 4750 5700 | 6500 3650 4050 4750 5700 | 6400 3550 3950 4650 5600 | 6200 3400 3800 4450 5400 | 5950 3200 3550 4250 5200 | 5700 2950 3350 4000 4950 | 5450 2750 3150 3800 4700 | 5300 2600 3000 3600 4550 |
| 7.5 m | | | *7250 | *7500 | *7550 | *7550 | 7850 | 7550 | 7300 | 7050 | 6000 |
| | = | | *7250 5050 *7250 | *7500 5150 *7500 | *7550 5100 *7550 | *7550 5000 *7550 | *8050 4850 *8050 | *8400 4600 8400 | 8150 4350 8100 | 7900 4150 7850 | 7750 4000 7650 |
| | | *7450 5050 5600 *7450 *7450 | | | | | 8900 4850 5400 6350 7700 | 8450 4450 5000 5950 7300 | 7950 4050 4600 5500 6850 | 7550 3700 4250 5150 6450 | 7300 3500 4000 4900 6200 |
| 6.0 m | G. | *7450 | | | | | *9550 | *10300 | 10550 9150 | 1005 | 9750 |
| | = | *7450 7100 *7450 | | | | | *9550 6900 *9550 | *10300 6500 *10300 | *10850 6050 *1085 | *10850 5650 *10850 | 0450 *10050 5100 5400 5900 7350 9450 *10050 |
| | G. | | | | | | | *13450 6900 7800 9350 11550 | 12650 6050 6950 8450 10600 | 11850 5450 6250 7700 9850 | * |
| 4.5 m | | | | | | | | *13450 *13450 | *14750 | *14750 | *10450 |
| | = | | | | | | | *13450 10200 *13450 | *14750 9300 *14750 | *4050 *14750 *4050 8550 *4050 *4050 *4050 | *10450 8150 *10450 |
| | | | | | | | | | | *4050 *4050 *4050 *4050 *4050 | |
| 3.0 m | | | | | | | | | | *4050 | |
| | = | | | | | | | | | *4050 *4050 *4050 | |
| | configuration | n 2 sets stab down Rear dozer up Rear dozer down Rear stab down Dozer and stab down | n 2 sets stab down Rear dozer up Rear dozer down Rear stab down Dozer and stab down | n 2 sets stab down Rear dozer up Rear dozer down Rear stab down Dozer and stab down | n 2 sets stab down Rear dozer up Rear dozer down Rear stab down Dozer and stab down | n 2 sets stab down Rear dozer up Rear dozer down Rear stab down Dozer and stab down | n 2 sets stab down Rear dozer up Rear dozer down Rear stab down Dozer and stab down | n 2 sets stab down Rear dozer up Rear dozer down Rear stab down Dozer and stab down | n 2 sets stab down Rear dozer up Rear dozer down Rear stab down Dozer and stab down | n 2 sets stab down Rear dozer up Rear dozer down Rear stab down Dozer and stab down | |
| // | | 12.0 m | 10.5 m | 9.0 m | 7.5 m | 6.0 m | 4.5 m | 3.0 m | 1.5 m | 0 m | -1.5 m |

Undercarriage

Material Handling

Boom

6800 mm

Stick 4800 mm

| \ <u></u> | Undercarriage | 3.0 |) m | 4.5 | m | 6.0 | m | 7.5 | i m | 9.0 | m | 10. | ō m | | | |
|-----------|--|-----|----------|-------------------|-----------------|-----------------|----------------|---------------|--------------|--------------|--------------|---------------|--------------|---------------|--------------|-------|
| 1 | configuration | Ū. | ₽ | J. | F | J. | | | æ | J | | J | | J | | m |
| 10.5 m | All stabilizers up All stabilizers down | | | | | 6850 *9150 | 5250 *9150 | | | | | | | | | |
| 9.0 m | All stabilizers up All stabilizers down | | | | | 6950 *9300 | 5350 *9300 | 4800 *8050 | 3700 7400 | | | | | | | |
| 7.5 m | All stabilizers up All stabilizers down | | | | | 6900 *9350 | 5300 *9350 | 4800 *8000 | 3700 7400 | 3550 6700 | 2700 5450 | | | 3000 *5500 | 2250 4650 | 9.91 |
| 6.0 m | All stabilizers up All stabilizers down | | | | | 6700 *9700 | 5150 *9700 | 4700 *8150 | 3600 7300 | 3500 6650 | 2650 5400 | 2700 5150 | 2000 4200 | 2650 5050 | 1950 4100 | 10.64 |
| 4.5 m | All stabilizers up All stabilizers down | | | 10 100 *13 150 | 7550 *13 150 | 6400 *10 250 | 4850 10 200 | 4550 *8400 | 3450 7100 | 3400 6550 | 2600 5350 | 2650 5100 | 2000 4150 | 2400 4650 | 180 3800 | 11.12 |
| 3.0 m | All stabilizers up All stabilizers down | | | 9300 *14 450 | 6800 *14 450 | 6050 *10 750 | 4500 9750 | 4350 8550 | 3250 6850 | 3300 6400 | 2450 5200 | 2600 5050 | 1950 4100 | 2300 4450 | 1700 3650 | 11.38 |
| 1.5 m | All stabilizers up All stabilizers down | | | 8500 *14 850 | 6100 *14 850 | 5650 *10 900 | 4150 9350 | 4150 8300 | 3050 6650 | 3200 6250 | 2350 5050 | 2550 5000 | 1850 4050 | 2250 *4350 | 1650 3600 | 11.43 |
| 0 m | All stabilizers up All stabilizers down | | | 8000 *9900 | 5650 *9900 | 5350 *10 350 | 3900 9000 | 3950 *8050 | 2900 6450 | 3100 6150 | 2250 4950 | 2500 *4800 | 1800 4000 | | | |
| -1.5 m | All stabilizers up All stabilizers down | | | | | 5200 *8850 | 3750 8850 | 3850 *7000 | 2800 6350 | | | | | | | |

Undercarriage

Material Handling

Undercarriage

configuration

All stabilizers down

All stabilizers down

All stabilizers up

Boom

6800 mm

Stick 4900 mm

All stabilizers up 10.5 m All stabilizers down *9200 *9200 *6350* All stabilizers up All stabilizers down *9300 *8100 *9300 10.02 All stabilizers up All stabilizers down *9400 *9400 *8100 *5450 All stabilizers up 10.74 All stabilizers down *9750 *9750 *8250 All stabilizers up 10 250 7650 11.22 4.5 m All stabilizers down *13 200 *****13 200 *****10 300 *****10 300 *8500 All stabilizers up 11.47 3.0 m All stabilizers down 14 550 *14 550 10 900 All stabilizers up 11.52 All stabilizers down 15 100 *15 100 *11 100 All stabilizers up 8250 5900

10 250 *10 250

10 600

*9200

*7250

*5050

4.5 m

6.0 m

7.5 m

9.0 m

10.5 m

3.0 m

Undercarriage

Material Handling

Boom

6800 mm

Stick 5900 mm

| >>- | Undercarriage | 3.0 | 0 m | 4. | 5 m | 6.0 |) m | 7.5 | i m | 9.0 |) m | 10. | 5 m | 12. | 0 m | | de | |
|--------|--|----------------|----------------|----------------|----------------|----------------|---------------|---------------|---------------|---------------|--------------|---------------|--------------|---------------|--------------|---------------|--------------|-------|
| | configuration | Į. | | Ū, | | Į. | | | | | | Ū. | | Ū. | | | æ | m |
| 12.0 m | All stabilizers up All stabilizers down | | | | | 7000 *7450 | 5400 *7450 | | | | | | | | | | | |
| 10.5 m | All stabilizers up All stabilizers down | | | | | | | 5000 *7250 | 3900 *7250 | | | | | | | | | |
| 9.0 m | All stabilizers up All stabilizers down | | | | | | | 5100 *7500 | 3950 *7500 | 3750 *6750 | 2900 5700 | | | | | | | |
| 7.5 m | All stabilizers up All stabilizers down | | | | | | | 5050 *7550 | 3950 *7550 | 3750 *6700 | 2900 5700 | 2850 5350 | 2200 4400 | | | 2600 *4400 | 1950 4000 | 11.11 |
| 6.0 m | All stabilizers up All stabilizers down | | | | | | | 4950 *7750 | 3850 7550 | 3700 *6800 | 2850 5600 | 2850 5300 | 2150 4400 | | | 2300 *4350 | 1750 3600 | 11.76 |
| 4.5 m | All stabilizers up All stabilizers down | | | | | 6800 *9550 | 5200 *9550 | 4800 *8050 | 3700 7350 | 3600 6700 | 2750 5500 | 2800 5250 | 2100 4300 | 2200 4250 | 1650 3500 | 2150 4150 | 1600 3400 | 12.20 |
| 3.0 m | All stabilizers up All stabilizers down | | | 9950 *13450 | 7400 *13450 | 6400 *10300 | 4850 10150 | 4550 *8400 | 3450 7100 | 3450 6550 | 2600 5350 | 2700 5150 | 2050 4250 | 2200 4200 | 1600 3450 | 2050 4000 | 1500 3250 | 12.43 |
| 1.5 m | All stabilizers up All stabilizers down | | | 9050 *14750 | 6600 *14750 | 5950 *10850 | 4450 9650 | 4300 8500 | 3250 6850 | 3300 6400 | 2500 5200 | 2650 5100 | 1950 4150 | 2150 4150 | 1550 3400 | 2000 3900 | 1450 3200 | 12.48 |
| 0 m | All stabilizers up All stabilizers down | *4050 *4050 | *4050 *4050 | 8350 *14750 | 5950 *14750 | 5600 *10850 | 4100 9250 | 4100 8250 | 3050 6600 | 3200 6250 | 2350 5050 | 2550 5000 | 1900 4050 | 2100 *4100 | 1550 3350 | | | |
| -1.5 m | All stabilizers up All stabilizers down | | | 8000 *10450 | 5600 *10450 | 5350 *10050 | 3850 8950 | 3950 *7850 | 2900 6450 | 3100 6150 | 2250 4950 | 2500 *4800 | 1850 4000 | | | | | |

Standard Equipment

Standard equipment may vary. Consult your Caterpillar dealer for specifics.

Electrical

Alternator, 75 A

Lights

Boom working light

Cab interior light

Roading lights (two front, two 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

EU Stage IIIA compliant

Fuel/water separator with level indicator High ambiant cooling 52° C

Hydraulics

Cat XT-6 ES hoses

Heavy lift mode

Load-sensing Plus hydraulic system

Manual work modes (economy, power) Separate swing pump

Stick regeneration circuit

Operator Station

Adjustable armrests

Ash tray with cigarette lighter (24 volt)

Beverage cup/can holder

Bolt-on FOGS capability

Bottle holder

Coat hook

Floor mat, washable, with storage

compartment

Fully adjustable suspension seat

Heater and defroster

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,

working hour

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

Parallel mounted top and bottom wiper

and washer

Positive filtered ventilation, pressurized cab

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

MH undercarriage with four welded

outriggers Bolt-on design for front attachments

Heavy-duty axles, advanced travel motor,

adjustable braking force

Oscillating front axle with remote

greasing

Tires, 10.00-20 16 PR, solid rubber

Tool box in undercarriage

Two-piece drive shaft

Two-speed transmission

Other Equipment

Automatic swing brake

Counterweight

M318D 4000 kg

M322D 4400 kg

Mirrors, frame and cab

Product Link ready

Optional Equipment

Optional equipment may vary. Consult your Caterpillar dealer for specifics.

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

Biodegradable hydraulic oil (synthetic ester based)

Generator with valve and priority function

Lowering control devices for boom and stick

SmartBoom

Booms and Sticks

Material Handling boom

M318D (6200 mm)

M322D (6800 mm)

Straight MH stick

M318D (4200 mm)

M322D (4800 mm)

Drop nose MH stick

M318D (4900 mm)

M322D (4900/5900 mm)

One-piece boom

M318D (5350 mm)

M322D (5650 mm)

VA boom

M318D (5260 mm)

M322D (5440 mm)

Sticks

M318D (2200/2500/2800 mm)

M322D (2200/2500/2900 mm)

Electrical

Back-up alarm with three selectable modes

Heavy-duty maintenance free batteries Roading lights, rear (LED modules)

Refueling pump

Rotating beacon on cab

Working lights, cab mounted

(front and rear)

Operator Station

Adjustable hydraulic sensitivity Air conditioner, heater and defroster

with automatic climate control

Camera mounted on counterweight, displays through cab monitor

Falling objects guard

Fixed cab riser, 1200 mm (M322D)

Joystick steering

Lid for storage compartment

Radio ready mounting (12 V or 24 V) at rear location including speakers

and 12 V converter

Seat, adjustable high-back

- mechanical suspension
- air suspension (vertical)
- deluxe with headrest, air suspension (horizontal and vertical), two-step seat heater, automatic weight adjustments, ventilated seat cushions, pneumatically adjustable lumbar support

Headrest

Travel speed lock

Vandalism guards

Visor for rain protection

Windshield

One-piece high impact resistant 50/50 split, openable; 70/30 split, openable

Undercarriage

MH undercarriage with four welded outriggers and front mounted blade Standard bolt-on/pin-on undercarriage Front bolt-on outriggers Rear pin-on dozer blade Rear pin-on outriggers Second tool box for undercarriage Spacer rings for tires

Other Equipment

Auto-lube system (implements and swing gear)

Cat Machine Security System

Cat Product Link

Counterweight

5400 kg (M322D)

Custom paint

Mirrors heated, frame and cab

Tires (see pg. 15)

Tool box in upperframe, lockable

Waste Handling Package

M318D MH and M322D MH Wheel Material Handlers

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

Materials and specifications are subject to change without notice. Featured machines in photos may include additional equipment. See your Caterpillar dealer for available options.

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