

M322D MH

Wheel Material Handler



Engine

Engine Model	Cat® C6.6 with ACERT™ Technology
Net Power (ISO 9249)	123 kW (167 hp)

Weights

Operating Weight	23 500 to 25 700 kg
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Working Ranges

Maximum Reach (stick pin)	12 480 mm
Maximum Height (stick pin)	13 300 mm

Features

Engine

The EU Stage IIIA 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 provides you with faster cycle times and increased productivity on any material handling 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 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 Cat® D Series Material Handlers incorporate 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 provides breakthrough engine performance while meeting EU Stage IIIA engine emission regulations. The Cat C6.6 engine in the M322D MH delivers a maximum gross power of 129 kW.

Low Fuel Consumption

The C6.6 is electronically controlled and uses the Cat Common Rail Fuel System and fuel pump. This combination provides outstanding fuel consumption during both production and travel.

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

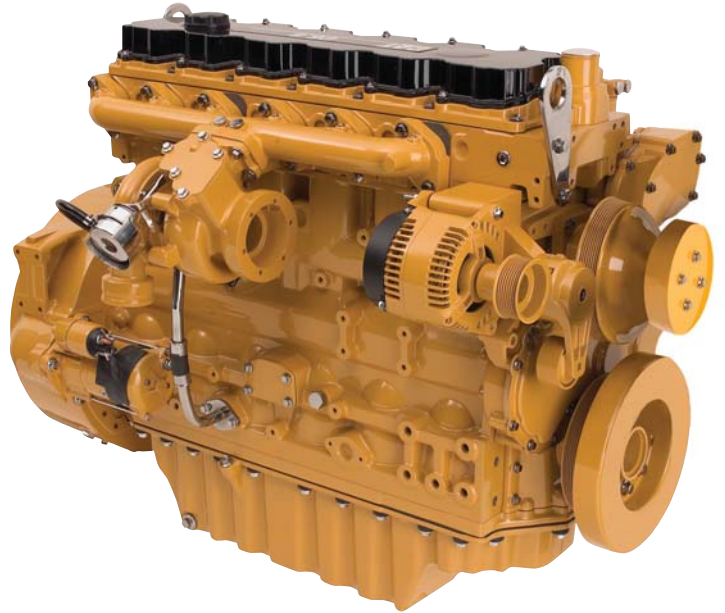
The two stage, one-touch Automatic Engine Speed Control reduces engine speed if no operation is performed, maximizing fuel efficiency and reducing sound levels.

Waste Handling Package

The new Waste Handling Package has been specifically developed for machines working in dusty environments. This package has been tested to make sure customers can rely on it. This package includes:

- An automatic, hydraulic reversible fan that reverses airflow after a set interval, manually adjustable between 2 and 60 minutes directly from the monitor.
- A special dense wire mesh cooling system hood that further helps to reduce radiator clogging.
- A maintenance-free turbine precleaner with side dust ejection provides precleaned air to the engine air filter.
- A new air filter.
- A special dense wire mesh covering air inlets.
- A new sealing all around the front hood.

The front hood enclosures are perforated when the machine is equipped with the Waste Handling Package.



Hydraulics

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



Implement Speed

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 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 material handler by 7%. 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 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.
- The Medium Pressure Function Valve provides proportional flow that is ideal for rotating tools.

Stick Regeneration Circuit

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

Hydraulic Snubbers

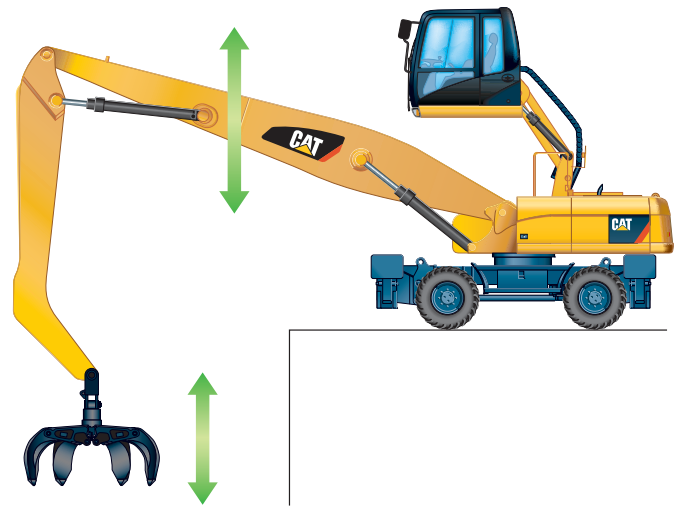
Caterpillar integrates its cylinder snubber technology into all Wheel Material Handler boom, stick and hydraulic cab riser cylinders. These snubbers help cushion shocks, reduce sound and increase cylinder life.

SmartBoom™

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

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.



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 Cat® C6.6 engine meets EU Stage IIIA 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 variable speed fan and remote cooling system.

Biodegradable Hydraulic Oil

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

Fewer Leaks and Spills

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

Longer Service Intervals

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

Operator Comfort

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



Interior Operator Station

Visibility and ergonomics are some of the many features of the D Series Material Handler Operator Station. The 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.

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.

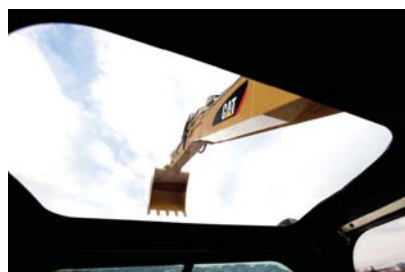
- The fixed front windshield comes with high-impact resistant, laminated glass.
- The 70/30 split front windshield opens with the upper portion able to be stored out of the way above the operator. The lower front windshield features a rounded design to maximize downward visibility and improves wiper coverage.
- 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.

Heated Mirrors

Another 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 color monitor displays information in the local language that is easy to read and understand. Functions include the following:

- Two times 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 standard camera mounted on the counterweight.



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.



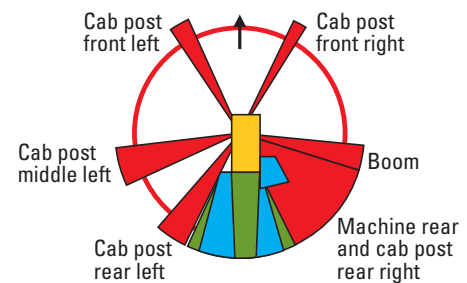
Foot Pedals

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 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



Elevated Cab

Hydraulic cab riser is available to maximize viewing to all sides of the machine.

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.

Bottom Position (1)

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

Top Position (2)

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

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 the Cat undercarriages perfect for material handler applications. The D Series M322D MH comes with the option of three different undercarriages in order to provide the greatest stability while performing your material handler jobs.

- **Material Handling** – 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 millyard applications.
- The standard undercarriage 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 minimizes the rocking effect associated with working free on wheels.





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 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.

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 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 millyard 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.

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.

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.

Working Modes

Two selectable working modes 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.

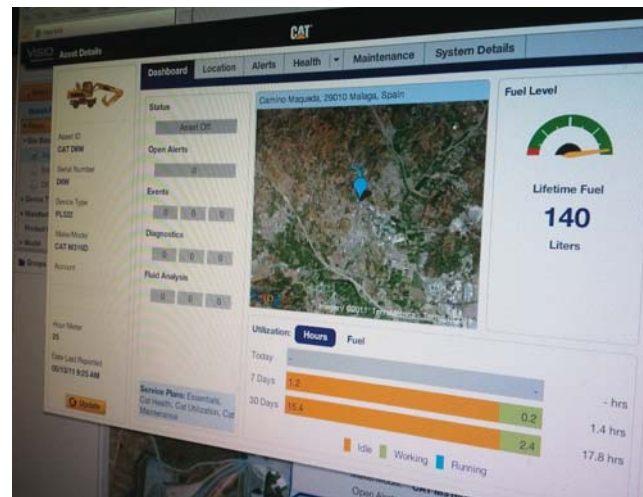
Product Link

Product Link 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™.

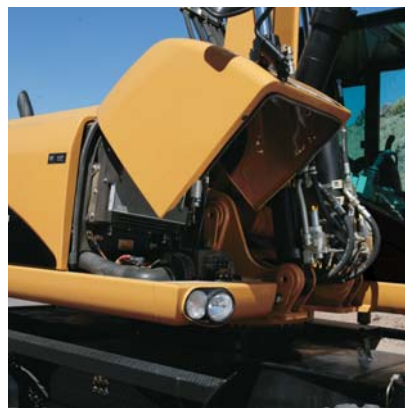
Critical information, such as event and diagnostic codes, is readily accessible, as are machine statistics, such as hour-meter reading, fuel consumption and idle time. Mapping functions include location and geo-fencing, which assist in servicing operations and in preventing unauthorized machine use.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

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



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 Handler service and maintenance intervals are extended to reduce machine service time, increase machine availability and reduce operating costs. Using S·O·SSM Scheduled Oil Sampling analysis, hydraulic oil change intervals can be extended up to 6,000 hours.

Engine Oil

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

Air Filters

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

Capsule Filter

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

Fuel Filters

Cat high efficiency fuel filters with a Stay-Clean 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.

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

Front Compartment

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

Swing-out Air Conditioner Condenser

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

Scheduled Oil Sampling

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

Engine Inspection

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

Anti-Skid Plates

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

Easy to Clean Coolers

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

Remote Greasing Blocks

For those hard to reach locations, 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.

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 and longer life.



M322D MH Wheel Material Handler Specifications

Engine

Engine Model	Cat® C6.6 with ACERT™ Technology
Ratings	2,000 rpm
Gross Power	129 kW (175 hp)
Net Power	
ISO 9249	123 kW (167 hp)
EEC/80/1269	123 kW (167 hp)
Bore	105 mm
Stroke	127 mm
Displacement	6.6 L
Cylinders	6
Maximum Torque at 1,400 rpm	750 N·m

- EU Stage IIIA (distributed through transitional provisions), ADSD-N EPA/ARB Flexibility Engine and non-current Tier 3 or Stage IIIA emissions for territories other than EU and ADSD-N.
- Full engine net power up to 3000 m altitude.

Hydraulic System

Tank Capacity	225 L
System	350 L
Maximum Pressure	
Implement Circuit	
Normal	350 bar
Heavy Lift	375 bar
Travel Circuit	350 bar
Auxiliary Circuit	
High Pressure	350 bar
Medium Pressure	200 bar
Swing Mechanism	340 bar
Maximum Flow	
Implement/Travel Circuit	350 L/min
Auxiliary Circuit	
High Pressure	250 L/min
Medium Pressure	40 L/min
Swing Mechanism	112 L/min

Cab/FOGS

- Cab with Falling Object Guard Structure (FOGS) meets ISO 10262.

Weights

MH Boom	
Rear Dozer Only	20 400 kg
Rear Dozer, Front Outriggers	21 600 kg
Front and Rear Outriggers	21 850 kg
With MH Undercarriage	22 900 kg
With MH Undercarriage and Push Blade	23 600 kg
VA Boom	
Rear Dozer Only	20 700 kg
Rear Dozer, Front Outriggers	21 900 kg
Front and Rear Outriggers	22 150 kg
With MH Undercarriage	23 200 kg
With MH Undercarriage and Push Blade	23 900 kg
One-Piece Boom	
Rear Dozer Only	20 050 kg
Rear Dozer, Front Outriggers	21 250 kg
Front and Rear Outriggers	21 500 kg
With MH Undercarriage	22 550 kg
With MH Undercarriage and Push Blade	23 250 kg
Sticks	
MH Straight	1100 kg
MH Drop Nose Short	910 kg
MH Drop Nose Long	1080 kg
Digging Short	650 kg
Digging Medium	700 kg
Digging Long	780 kg
MH Push Blade (with MH Undercarriage)	675 kg
Dozer Blade	920 kg
Outriggers	1260 kg
Counterweights	
Standard	4400 kg
Optional	5400 kg

- M322D HCR – Machine weight with Hydraulic Cab Riser, medium stick/MH 5.9 m stick, 4400 kg counterweight, with operator and full fuel tank, without work tool. Weight varies depending on configuration. Inflatable 10.00-20 tires.

Swing Mechanism

Swing Speed	9 rpm
Swing Torque	56 kN·m

Transmission

Forward/Reverse	
1st Gear	7 km/h
2nd Gear	25 km/h
Creeper Speed	
1st Gear	3 km/h
2nd Gear	12 km/h
Drawbar Pull	112 kN
Maximum Gradeability	52%

Tire Options

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

Undercarriage

Ground Clearance	380 mm
Maximum Steering Angle	35°
Oscillation Axle Angle	± 6°
Minimum Turning Radius	
Standard Axle	
Outside of Tire	6800 mm
End of VA Boom	7800 mm
End of One-Piece Boom	9300 mm

Service Refill Capacities

Fuel Tank Capacity	385 L
Cooling	37 L
Engine Crankcase	15 L
Rear Axle Housing (Differential)	14 L
Front Steering Axle (Differential)	11 L
Final Drive	2.5 L
Powershift Transmission	2.5 L

Sound Levels

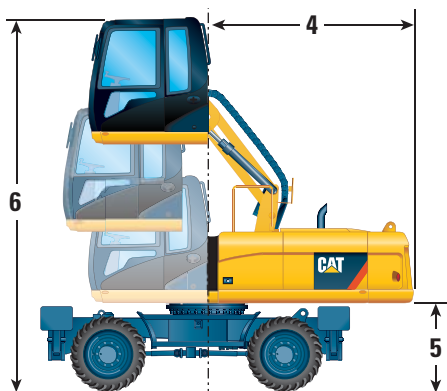
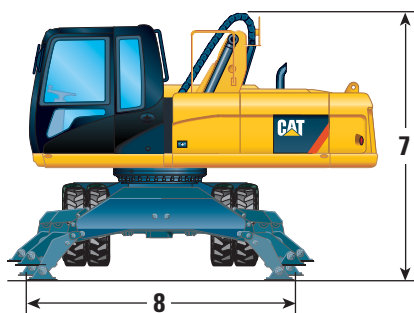
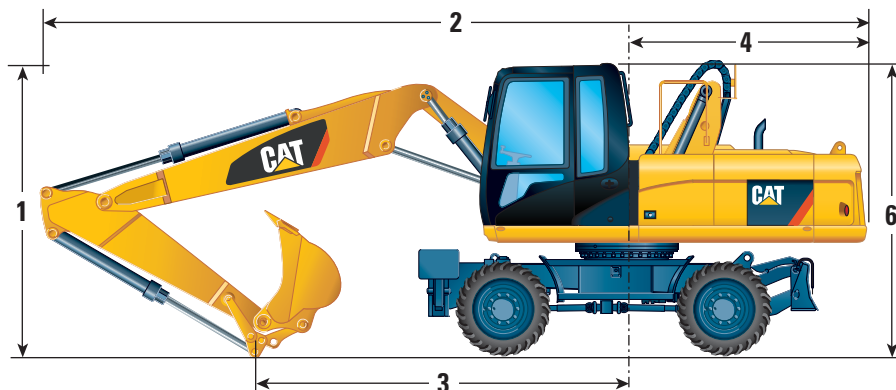
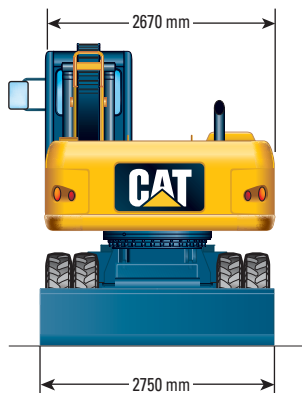
Exterior Sound

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

M322D MH Wheel Material Handler Specifications

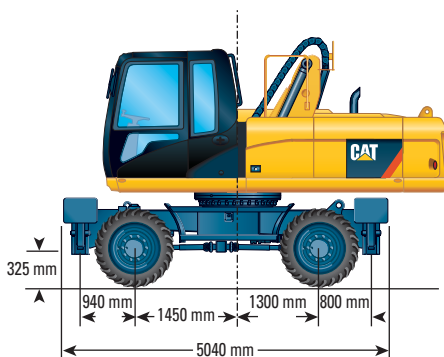
Dimensions with Standard Undercarriage (with pneumatic tires)

All dimensions are approximate.

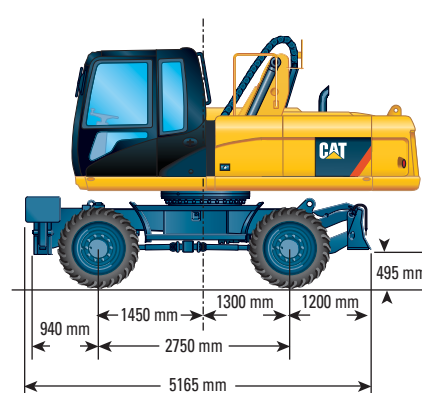


	VA Boom	One-Piece Boom
1 Shipping Height*		
2200 mm Stick	3400 mm	3400 mm
2500 mm Stick	3400 mm	3400 mm
2900 mm Stick	3400 mm	3400 mm
2 Shipping Length		
2200 mm Stick	9550 mm	9750 mm
2500 mm Stick	9550 mm	9720 mm
2900 mm Stick	9540 mm	9720 mm
3 Support Point		
2200 mm Stick	4380 mm	4270 mm
2500 mm Stick	3830 mm	3810 mm
2900 mm Stick	3530 mm	3440 mm
4 Tail Swing Radius	2820 mm	2820 mm
5 Counterweight Clearance	1310 mm	1310 mm
6 Cab Height with Hydraulic Cab Riser		
Lowered	3240 mm	3240 mm
Raised	5640 mm	5640 mm
Lowered with Guard Falling Object	3370 mm	3370 mm
7 Height of Tray Group Flex	3400 mm	3400 mm
8 Stabilizer Width on Ground	3960 mm	3960 mm

Undercarriage with 2 sets of outriggers



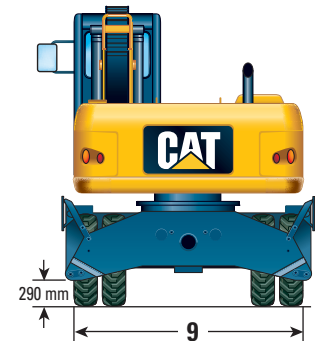
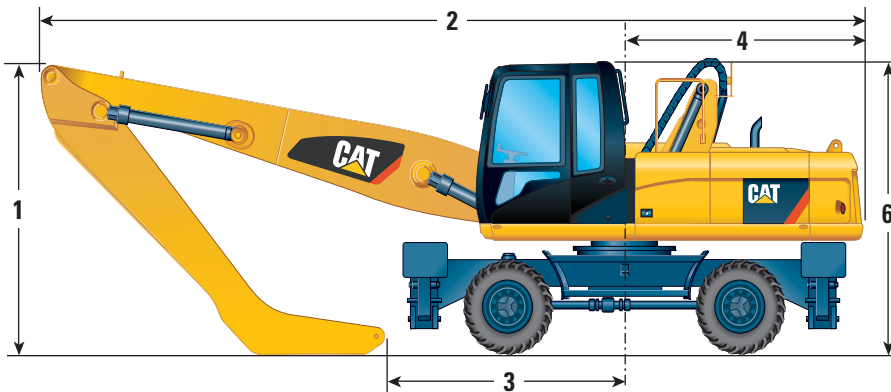
Undercarriage with 1 set of outriggers and dozer



M322D MH Wheel Material Handler Specifications

Dimensions with MH Undercarriage (with pneumatic tires)

All dimensions are approximate.



1 Shipping Height*

4800 mm Straight Stick	3400 mm
4900 mm Drop Nose Stick	3600 mm
5900 mm Drop Nose Stick (Removed)	3400 mm
5900 mm Drop Nose Stick (Installed)	5285 mm

2 Shipping Length

4800 mm Straight Stick	9870 mm
4900 mm Drop Nose Stick	9870 mm
5900 mm Drop Nose Stick (Removed)	9930 mm
5900 mm Drop Nose Stick (Installed)	15 130 mm

3 Support Point

4800 mm Straight Stick	3250 mm
4900 mm Drop Nose Stick	3250 mm
5900 mm Stick (fully extended)	15 010 mm
Stick Removed	7110 mm

4 Tail Swing Radius

4800 mm Drop Nose Stick	2820 mm
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5 Counterweight Clearance

5900 mm Drop Nose Stick (Installed)	1310 mm
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6 Cab Height with Hydraulic Cab Riser

Lowered	3240 mm
Raised	5640 mm
Lowered with Guard Falling Object	3370 mm

7 Height of Tray Group Flex

4800 mm Drop Nose Stick	3400 mm
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8 Wheel Base

4800 mm Drop Nose Stick	2750 mm
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9 Undercarriage Width

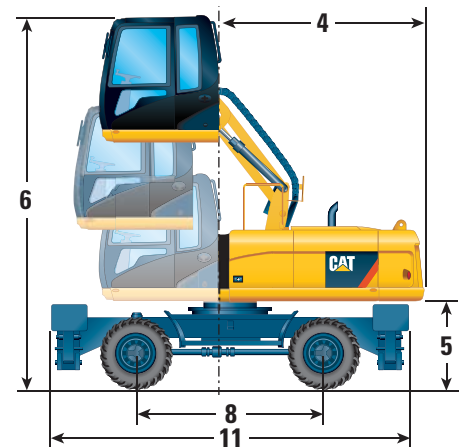
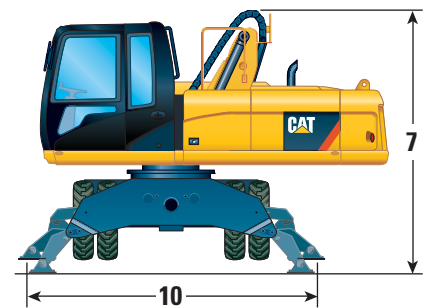
4800 mm Drop Nose Stick	2990 mm
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10 Stabilizer Width on Ground

4800 mm Drop Nose Stick	4360 mm
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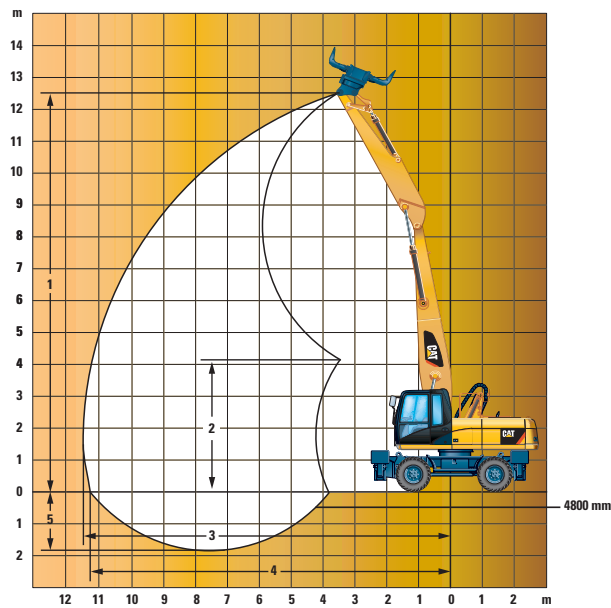
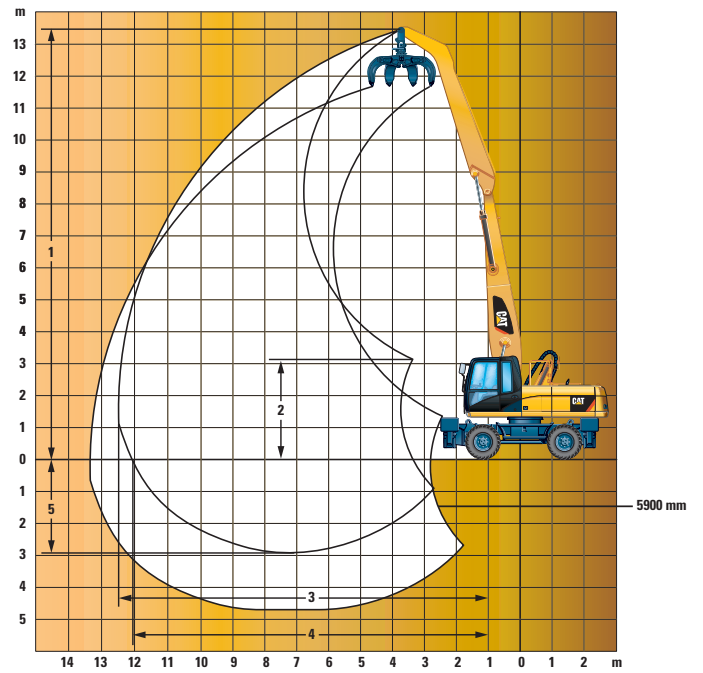
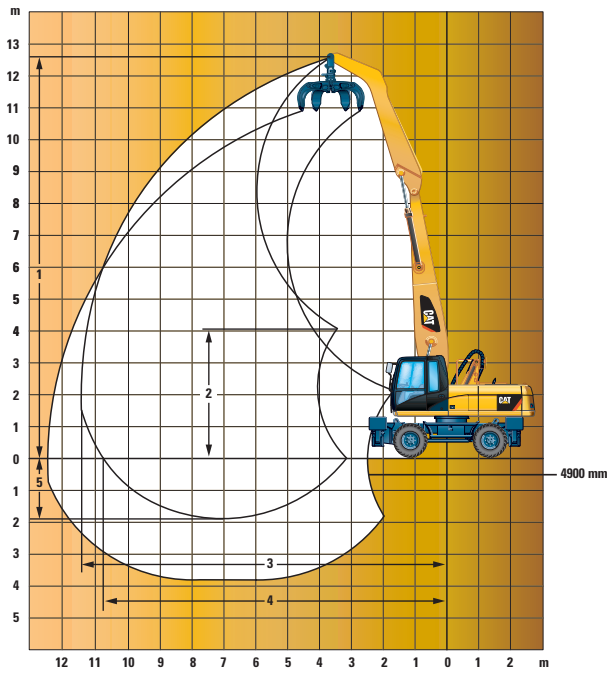
11 Undercarriage Length

4800 mm Drop Nose Stick	5250 mm
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*Shipping height may depend of the height of the Tray Group Flex (7).

Working Ranges



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

M322D MH Wheel Material Handler Specifications

Work Tools Matching Guide

Without Quick Coupler	Boom		6800 mm					
	Undercarriage		MH			Standard		
	Stick Length (mm)		4900	5900	4800	4900	5900	4800
360° Rotatable Shears*	S325B, S340B							
Multi-Grapples	G315B	D, R	×	×		×	×	
Orange Peel Grapples (5 tines)	GSH15B	400, 500, 600						
		800						
	GSH20B	600						
		800					×	
		1000				×	×	×
Orange Peel Grapples (4 tines)	GSH15B	400, 500, 600						
		800						
	GSH20B	600						
		800						
		1000						×
With Quick Coupler								
Quick Couplers	CW-30, 30S		×	×	×	×	×	×
	CW-40, 40S		×	×		×	×	
Multi-Grapples	G315B	D, R	×			×	×	

* Boom Mounted

	360° Working Range
	Quick Coupler Match
	Not Compatible
	Maximum Material Density 1800 kg/m ³
	Maximum Material Density 1200 kg/m ³

Lift Capacities

All values are in kg, without bucket and without QC, with counterweight (5400 kg), heavy lift on.

Undercarriage
Standard

Boom
6800 mm

Stick
5900 mm


Load point height	Load over front			Load over rear			Load over side			Load at maximum reach (sticknose/bucket pin)		
	3.0 m	4.5 m	6.0 m	7.5 m	9.0 m	10.5 m	12.0 m	12.0 m	12.0 m	12.0 m	12.0 m	12.0 m
Undercarriage configuration												
12.0 m												
2 sets stab down												
Rear dozer up												
Rear dozer down												
Dozer and stab down												
10.5 m												
2 sets stab down												
Rear dozer up												
Rear dozer down												
Dozer and stab down												
9.0 m												
2 sets stab down												
Rear dozer up												
Rear dozer down												
Dozer and stab down												
7.5 m												
2 sets stab down												
Rear dozer up												
Rear dozer down												
Dozer and stab down												
6.0 m												
2 sets stab down												
Rear dozer up												
Rear dozer down												
Dozer and stab down												
4.5 m												
2 sets stab down												
Rear dozer up												
Rear dozer down												
Dozer and stab down												
3.0 m												
2 sets stab down												
Rear dozer up												
Rear dozer down												
Dozer and stab down												
1.5 m												
2 sets stab down												
Rear dozer up												
Rear dozer down												
Dozer and stab down												
0.0 m												
2 sets stab down												
Rear dozer up												
Rear dozer down												
Dozer and stab down												
-1.5 m												
2 sets stab down												
Rear dozer up												
Rear dozer down												
Dozer and stab down												

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

M322D MH Wheel Material Handler Specifications

Lift Capacities
















All values are in kg, without bucket and without QC, with counterweight (5400 kg), heavy lift on.

 Load point height
  Load over front
  Load over rear
  Load over side
  Load at maximum reach (sticknose/bucket pin)

Undercarriage Standard

Boom 6800 mm

Stick 4900 mm

Load point height	Undercarriage configuration	4.5 m			6.0 m			7.5 m			9.0 m			10.5 m			m			
																				
10.5 m	2 sets stab down				*9200	*9200	9100	*6350	*6350	6250							*6350	*6350	6250	7.50
	Rear dozer up				7000	5800	4950	4800	3950	3350							4800	3950	3350	
	Rear dozer down								*9200	5500							*6350	*6350	3750	
	Dozer and stab down					*9200	7750		*6350	5300							*6350	*6350	5300	
9.0 m	2 sets stab down				*9300	*9300	9200	*8100	7800	6350							*5750	5750	4700	8.98
	Rear dozer up				7100	5900	5050	4950	4050	3500							3600	2950	2500	
	Rear dozer down					*9300	5600		7750	3900								5650	2800	
	Dozer and stab down					*9300	7850		*8100	5450								*5750	4000	
7.5 m	2 sets stab down				*9350	*9350	9150	*8050	7800	6350	6550	5750	4750				*5450	4800	3950	10.02
	Rear dozer up				7050	5850	5000	4950	4050	3500	3650	3000	2550				3050	2450	2050	
	Rear dozer down					*9350	5550		7750	3900								4750	2350	
	Dozer and stab down					*9350	7800		*8050	5450								6300	4050	
6.0 m	2 sets stab down				*9700	*9700	9000	*8200	7700	6250	6500	5700	4700	5050	4450	3650	4850	4300	3500	10.74
	Rear dozer up				6900	5700	4850	4850	4000	3400	3600	2950	2500	2800	2250	1900	2700	2150	1800	
	Rear dozer down					*9700	5400		7650	3800								4200	2050	
	Dozer and stab down					*9700	7650		*8200	5350								4850	3100	
4.5 m	2 sets stab down	*13 150	*13 150	*13 150	*10 300	*10 300	8650	*8450	7500	6100	6450	5650	4600	5050	4450	3600	4500	4000	3250	11.22
	Rear dozer up	10 400	8500	7100	6600	5400	4550	4700	3800	3250	3550	2850	2450	2750	2200	1850	2450	1950	1650	
	Rear dozer down		*13 150	8000		*10 300	5150		7450	3650								4350	2100	
	Dozer and stab down		*13 150	11 700		*10 300	7350		8250	5200								4850	3100	
3.0 m	2 sets stab down	*14 550	*14 550	13 250	*10 850	10 400	8250	8400	7300	5900	6300	5500	4500	4950	4350	3550	4350	3800	3100	11.47
	Rear dozer up	9600	7750	6400	6200	5050	4250	4500	3650	3050	3400	2750	2300	2700	2150	1800	2350	1850	1550	
	Rear dozer down		*14 550	7250		10 450	4800		7250	3450								4300	2050	
	Dozer and stab down		*14 550	10 850		*10 850	6950		8000	5000								4750	3000	
1.5 m	2 sets stab down	*15 050	*15 050	12 400	*11 050	9950	7850	8150	7050	5650	6150	5400	4350	4900	4300	3500	4250	3750	3050	11.52
	Rear dozer up	8850	7000	5700	5850	4700	3900	4300	3450	2850	3300	2650	2200	2650	2100	1750	2300	1800	1500	
	Rear dozer down		*15 050	6550		10 000	4450		7000	3250								4200	2000	
	Dozer and stab down		*15 050	10 050		*11 050	6550		7750	4800								4700	2950	
0.0 m	2 sets stab down	*10 200	*10 200	*10 200	*10 550	9600	7550	7950	6850	5500	6050	5300	4250	4850	4250	3450				
	Rear dozer up	8350	6550	5250	5550	4400	3650	4100	3250	2700	3200	2550	2100	2600	2050	1700				
	Rear dozer down		*10 200	6100		9700	4150		6800	3100								4150	1950	
	Dozer and stab down		*10 200	9550		*10 550	6300		7600	4600								4650	2900	
-1.5 m	2 sets stab down				*9150	*9150	7400	*7250	6750	5400										
	Rear dozer up				5400	4250	3500	4000	3150	2600										
	Rear dozer down					*9150	4000		6700	3000										
	Dozer and stab down					*9150	6150		*7250	4500										

*Limited by hydraulic rather than tipping load.

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

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

Lift Capacities

All values are in kg, without bucket and without QC, with counterweight (5400 kg), heavy lift on.



Undercarriage Standard

Boom 6800 mm

Stick 4800 mm

Load point height	Undercarriage configuration	4.5 m			6.0 m			7.5 m			9.0 m			10.5 m			m			
		Load over front	Load over rear	Load over side	Load over front	Load over rear	Load over side	Load over front	Load over rear	Load over side	Load over front	Load over rear	Load over side	Load over front	Load over rear	Load over side				
10.5 m	2 sets stab down				*8900	*8900	8800										*6200	*6200	6100	7.35
	Rear dozer up				6700	5500	4650										4650	3750	3150	
	Rear dozer down																*6200	*6200	3550	
	Dozer and stab down					*8900	7450										*6200	*6200	5200	
9.0 m	2 sets stab down				*9050	*9050	8900	*7750	7500	6050							*5550	5550	4500	8.86
	Rear dozer up				6800	5600	4750	4600	3750	3150							3400	2700	2250	
	Rear dozer down					*9050	5300		7450	3550								5500	2550	
	Dozer and stab down					*9050	7550		*7750	5150								*5550	3800	
7.5 m	2 sets stab down				*9100	*9100	8850	*7750	7450	6050	6250	5450	4400				5250	4550	3700	9.91
	Rear dozer up				6750	5550	4700	4600	3750	3150	3350	2650	2200				2750	2150	1800	
	Rear dozer down					*9100	5250		7450	3550		5400	2500					4500	2050	
	Dozer and stab down					*9100	7500		*7750	5150		5950	3700					5000	3100	
6.0 m	2 sets stab down				*9400	*9400	8650	*7900	7350	5950	6200	5400	4350	4750	4150	3300	4600	4050	3250	10.64
	Rear dozer up				6550	5350	4500	4500	3650	3050	3300	2600	2200	2450	1900	1550	2400	1850	1500	
	Rear dozer down					*9400	5100		7350	3450		5350	2500		4050	1800		3950	1750	
	Dozer and stab down					*9400	7300		*7900	5050		5950	3700		4550	2750		4400	2700	
4.5 m	2 sets stab down	*12 900	*12 900	*12 900	*9950	*9950	8300	*8100	7150	5750	6100	5300	4250	4700	4100	3300	4250	3700	2950	11.12
	Rear dozer up	10 050	8100	6700	6250	5050	4200	4350	3500	2900	3200	2500	2100	2450	1900	1550	2150	1650	1350	
	Rear dozer down		*12 900	7650		*9950	4800		7150	3300		5250	2400		4000	1800		3600	1550	
	Dozer and stab down		*12 900	11 350		*9950	7000		7900	4850		5800	3600		4500	2750		4100	2450	
3.0 m	2 sets stab down	*14 150	*14 150	12 800	*10 450	10 000	7900	8050	6900	5550	5950	5150	4150	4650	4050	3200	4050	3550	2800	11.38
	Rear dozer up	9200	7300	5950	5850	4650	3850	4100	3250	2700	3050	2400	1950	2350	1800	1450	2050	1550	1250	
	Rear dozer down		*14 150	6850		10 100	4400		6900	3100		5100	2300		3950	1700		3450	1450	
	Dozer and stab down		*14 150	10 450		*10 450	6550		7650	4650		5700	3450		4450	2700		3900	2350	
1.5 m	2 sets stab down	*14 550	*14 550	11 900	*10 600	9550	7450	7800	6700	5300	5800	5050	4000	4550	3950	3150	4000	3450	2750	11.43
	Rear dozer up	8350	6500	5200	5450	4300	3500	3900	3050	2500	2950	2300	1850	2300	1750	1400	2000	1500	1200	
	Rear dozer down		*14 550	6050		9600	4050		6650	2900		4950	2150		3900	1650		3400	1400	
	Dozer and stab down		*14 550	9550		*10 600	6150		7400	4400		5550	3350		4350	2600		3800	2300	
0.0 m	2 sets stab down	*9650	*9650	*9650	*10 000	9200	7150	7600	6500	5100	5700	4900	3900	4500	3900	3100				
	Rear dozer up	7850	6050	4800	5150	4000	3200	3750	2900	2350	2850	2200	1750	2250	1700	1350				
	Rear dozer down		*9650	5600		9250	3750		6450	2700		4850	2050		3800	1600				
	Dozer and stab down		*9650	9050		*10 000	5850		7200	4250		5450	3250		4300	2550				
-1.5 m	2 sets stab down				*8550	*8550	6950	*6700	6350	5000										
	Rear dozer up				5000	3850	3050	3600	2800	2250										
	Rear dozer down					*8550	3600		6300	2600										
	Dozer and stab down					*8550	5700		*6700	4100										

*Limited by hydraulic rather than tipping load.

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

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

M322D MH Wheel Material Handler Specifications

Lift Capacities

All values are in kg, without bucket and without QC, with counterweight (5400 kg), heavy lift on.

	Load point height	Load over front	Load over rear	Load over side		Load at maximum reach (sticknose/bucket pin)				m									
				3.0 m	4.5 m	6.0 m	7.5 m	9.0 m	10.5 m		12.0 m								
Undercarriage Special Application																			
Boom 6800 mm	12.0 m	All stabilizers up All stabilizers down			7000 *7450	5400 *7450					5300 *5700	4050 *5700	7.09						
	10.5 m	All stabilizers up All stabilizers down					5000 *7250	3900 *7250					3700 *4950	2850 *4950	8.91				
Stick 5900 mm	9.0 m	All stabilizers up All stabilizers down					5100 *7500	3950 *7500	3750 *6750	2900 5700			3000 *4600	2250 4600	10.18				
	7.5 m	All stabilizers up All stabilizers down					5050 *7550	3950 *7550	3750 *6700	2900 5700	2850 5350	2150 4400		2550 *4400	1950 3600	11.11			
	6.0 m	All stabilizers up All stabilizers down					4950 *7750	3850 7550	3700 *6800	2850 5650	2850 5350	2150 4400		2300 *4300	1700 3600	11.76			
	4.5 m	All stabilizers up All stabilizers down				6800 *9550	5200 *9550	4800 *8050	3650 7350	3600 6750	2750 5500	2100 5250	2200 4300	1650 3500	1500 4150	12.20			
	3.0 m	All stabilizers up All stabilizers down				9950 *13 400	7400 *13 400	6400 *10 300	4850 10 200	4550 *8400	3450 7100	2600 6600	2700 5350	2000 5200	2200 4200	1600 3450	1500 4000	12.43	
	1.5 m	All stabilizers up All stabilizers down				9050 *14 700	6600 *14 700	5950 *10 850	4400 9700	4300 8500	3200 6850	3300 6400	2450 5200	2650 5100	1950 4150	2150 3400	2000 3950	1450 3200	12.48
	0.0 m	All stabilizers up All stabilizers down				*4050 *4050	*4050 *4050	8350 *14 700	5950 *14 700	5550 *10 800	4050 9250	4100 6600	3200 6250	2350 5050	2550 5000	1850 *4050	2100 3350	1500	
	-1.5 m	All stabilizers up All stabilizers down					7950 *10 450	5600 *10 450	5300 *10 000	3850 8950	3950 *7850	2850 6450	3100 6150	2250 4950	2500 *4800	1800 4000			

Undercarriage Special Application

Boom 6800 mm

Stick 4900 mm

	Load point height	Undercarriage configuration	4.5 m		6.0 m		7.5 m		9.0 m		10.5 m				m			
			3.0 m	4.5 m	6.0 m	7.5 m	9.0 m	10.5 m	12.0 m	13.5 m								
Boom 6800 mm	10.5 m	All stabilizers up All stabilizers down			6950 *9200	5350 *9200	4800 *6350	3700 *6350					4800 *6350	3700 *6350	7.50			
	9.0 m	All stabilizers up All stabilizers down			7000 *9300	5450 *9300	4900 *8100	3800 7500					3600 *5750	2750 5550	8.98			
Stick 4900 mm	7.5 m	All stabilizers up All stabilizers down			7000 *9350	5400 *9350	4900 *8050	3800 7500	3650 6800	2800 5550			3050 *5450	2300 4650	10.02			
	6.0 m	All stabilizers up All stabilizers down			6800 *9700	5250 *9700	4800 *8200	3700 7400	3600 6750	2750 5550	2800 5250	2100 4300	2700 5050	2000 4150	10.74			
	4.5 m	All stabilizers up All stabilizers down			10 250 *13 150	7650 *13 150	6550 *10 300	5000 *10 300	4650 *8450	3550 7200	3550 6650	2700 5450	2100 4300	2500 4700	1850 3850	11.22		
	3.0 m	All stabilizers up All stabilizers down			9450 *14 550	6950 *14 550	6150 *10 850	4650 9950	4450 8650	3350 7000	3400 6550	2600 5300	2700 5150	2050 4200	2350 4500	1750 3700	11.47	
	1.5 m	All stabilizers up All stabilizers down			8700 *15 050	6300 *15 050	5800 *11 050	4300 9500	4250 8450	3200 6800	3300 6400	2450 5200	2650 5100	1950 *4450	2300 3650	1700	11.52	
	0.0 m	All stabilizers up All stabilizers down					8250 *10 200	5850 *10 200	5550 *10 550	4050 9200	4100 *8250	3050 6600	3200 6300	2600 5100	2600 *5000	1900 4100		
	-1.5 m	All stabilizers up All stabilizers down						5400 *9150	3900 9000	4000 *7250	2950 6500							

Undercarriage Special Application

Boom 6800 mm

Stick 4800 mm

	Load point height	Undercarriage configuration	4.5 m		6.0 m		7.5 m		9.0 m		10.5 m				m			
			3.0 m	4.5 m	6.0 m	7.5 m	9.0 m	10.5 m	12.0 m	13.5 m								
Boom 6800 mm	10.5 m	All stabilizers up All stabilizers down			6600 *8900	5050 *8900							4600 *6200	3500 *6200	7.35			
	9.0 m	All stabilizers up All stabilizers down			6750 *9050	5150 *9050	4600 *7750	3500 7200					3350 *5550	2500 5350	8.86			
Stick 4800 mm	7.5 m	All stabilizers up All stabilizers down			6700 *9100	5100 *9100	4600 *7750	3450 7200	3300 6450	2450 5250			2750 *5250	2000 4400	9.91			
	6.0 m	All stabilizers up All stabilizers down			6500 *9400	4900 *9400	4500 *7900	3400 7050	3300 6400	2450 5200	2450 4900	1750 4000	1700 2800	1700 3900	10.64			
	4.5 m	All stabilizers up All stabilizers down			9850 *12 900	7300 *12 900	6200 *9950	4650 *9950	4300 *8100	3200 6900	3200 6300	2350 5100	2450 4900	1750 3950	2150 4450	1550 3550	11.12	
	3.0 m	All stabilizers up All stabilizers down			9050 *14 150	6550 *14 150	5800 *10 450	4250 9550	4100 *8300	3000 6650	3050 6200	2250 4950	2350 4800	1700 3900	2050 4250	1450 3400	11.38	
	1.5 m	All stabilizers up All stabilizers down			8250 *14 550	5800 *14 550	5400 *10 600	3900 9100	3900 8050	2800 6400	2950 6050	2100 4850	2300 4750	1600 3800	2000 *4100	1400 3350	11.43	
	0.0 m	All stabilizers up All stabilizers down					7750 *9650	5350 *9650	5100 *10 000	3600 8750	3700 *7750	2650 6200	2000 5900	2250 4750	1550 *4500	1550 3750		
	-1.5 m	All stabilizers up All stabilizers down						4950 *8550	3450 *8550	3600 *6700	2550 6100							

*Limited by hydraulic rather than tipping load.

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

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M322D MH Wheel Material Handler Standard Equipment

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

Auxiliary Controls and Lines

Lowering control devices for boom and stick

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

EU Stage IIIA compliant

Fuel/water separator with level indicator

High ambient cooling 52° C

Hydraulics

Heavy lift mode

Load-sensing Plus hydraulic system

Manual work modes (economy, power)

Separate swing pump

Stick regeneration circuit

Operator Station

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,
covering upper and lower windshield glass

Camera mounted on counterweight
displays through cab monitor

Coat hook

Floor mat, washable,
with storage compartment

Fully adjustable 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

Tool box in undercarriage

Second tool box for undercarriage

Two-speed transmission

Other Equipment

Automatic swing brake

Counterweight, 4400 kg

Mirrors, frame and cab

Product Link ready

M322D MH Wheel Material Handler Optional Equipment

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

Auxiliary Controls and Lines

Auxiliary boom and stick lines

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

Quick coupler control

Cat BIO HYDO Advanced HEES™
biodegradable hydraulic oil

Generator with valve and priority function

SmartBoom™

Booms and Sticks

Material Handling boom (6800 mm)

Straight MH stick (4800 mm)

Drop nose MH stick (4900/5900 mm)

One-piece boom (5650 mm)

VA boom (5440 mm)

Sticks (2200/2500/2900 mm)

Electrical

Back-up alarm with three selectable modes

Heavy-duty maintenance free batteries

Refueling pump

Operator Station

Adjustable hydraulic sensitivity

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

Falling objects guard

Joystick steering

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

70/30 split, openable

Undercarriage

MH undercarriage

with four welded outriggers

MH undercarriage with four welded
outriggers and front mounted blade

Standard undercarriage

Dozer blade, rear mounted

Outriggers, front and/or rear mounted

Spacer rings for tires

Other Equipment

Auto-lube system

(implements and swing gear)

Cat Machine Security System

Cat Product Link

Counterweight, 5400 kg

Mirrors heated, frame and cab

Tires, 11.00-20 16 PR, solid rubber

Waste Handling Package

(ambient capability 43° C)

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

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Replaces AEHQ6288

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