M318D MH

Wheel Material Handler

Engine	
Engine Model	Cat® C6.6 with ACERT™ Technology
Net Power (ISO 9249)	124 kW (169 hp)

Weights	
Operating Weight	19 000 to 22 700 kg
Working Ranges	
Maximum Reach (stick pin)	11 000 mm
Maximum Height (stick pin)	12 040 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 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.

Contents

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 optimizes engine performance. The Cat C6.6 engine in the M318D MH delivers a maximum gross power of 130 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

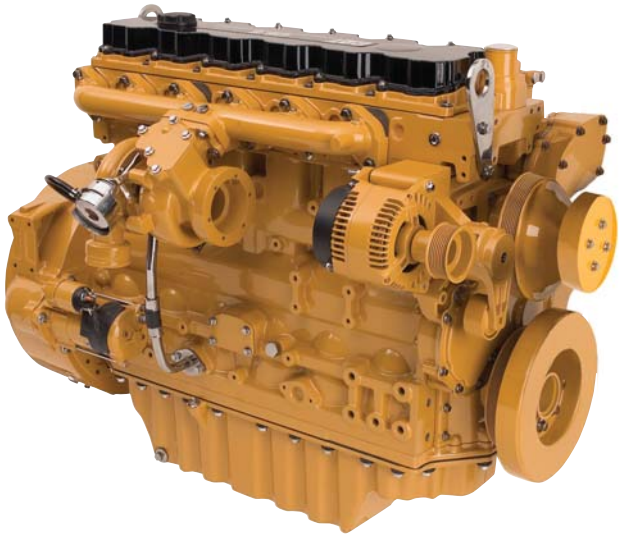
The two stage, one-touch Automatic Engine Speed Control reduces engine speed if no operation is performed, maximizing fuel efficiency and reducing sound levels.

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.

Fast Implement Speed

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 speed 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 tilting buckets or rotating tools.

Stick Regeneration Circuit

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

Hydraulic Snubbers

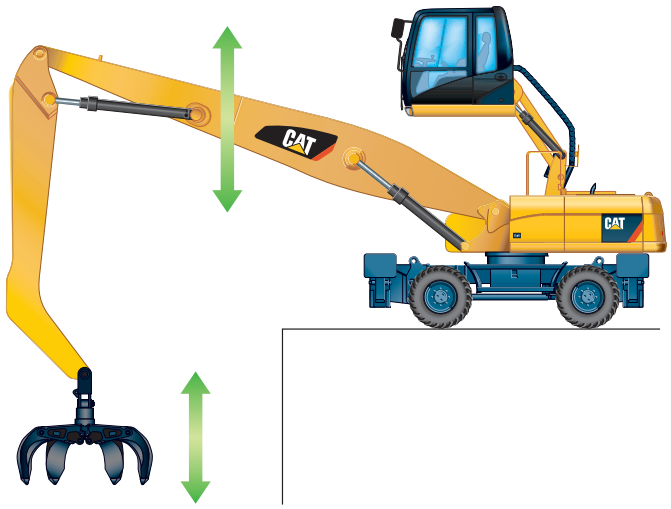
Caterpillar integrates its cylinder snubber technology into all Wheel Material Handler boom, stick and hydraulic cab riser cylinders. These snubbers help cushion shocks, reduce sound and increase cylinder life.

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 new 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. 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.

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

- Two times 5 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.
- 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.

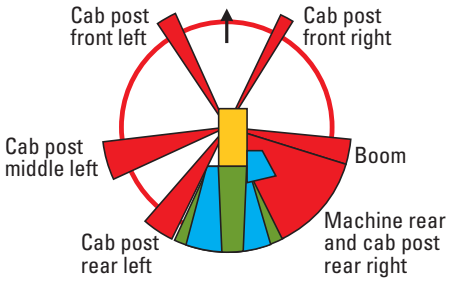
Foot Pedals

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. Four different undercarriages are available to provide the stability you need for your applications:

- Material Handling – The Material Handling undercarriage with four welded outriggers is ideal when extra stability is needed, especially when using a Hydraulic Cab Riser.
- Material Handling with Dozer Blade – An optional expansion to the Material Handling Undercarriage includes an additional Dozer Blade mounted ahead of the front stabilizers to be used to push material commonly encountered in waste and millyard applications.
- The Material Handling compact undercarriage, specifically designed for limited space applications. The overall width and length are shorter and its symmetrical design enhances maneuverability and flexibility in tight areas.
- The standard undercarriage allows for different kinds of stabilizers and blades to be attached either to the front or to the rear.

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 minimizes the rocking effect associated with working free on wheels.

Drive Line Concept

The driveline design effectively utilizes 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 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 designed to handle increased lifting capacities. The stick range offers leading side plates to maximize the protection of hydraulic lines. Multiple boom and stick options allow you to pick the best match for your job.

MH Boom

The MH boom has been specifically designed 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.

The new short MH boom dimensions allow the working envelope to match indoor application requirements while retaining the same performance and lifting capabilities.

M318D MH Sticks

Two options of MH sticks are available on 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 when additional work tool functionality is needed.

Special Applications

The M318D 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 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.

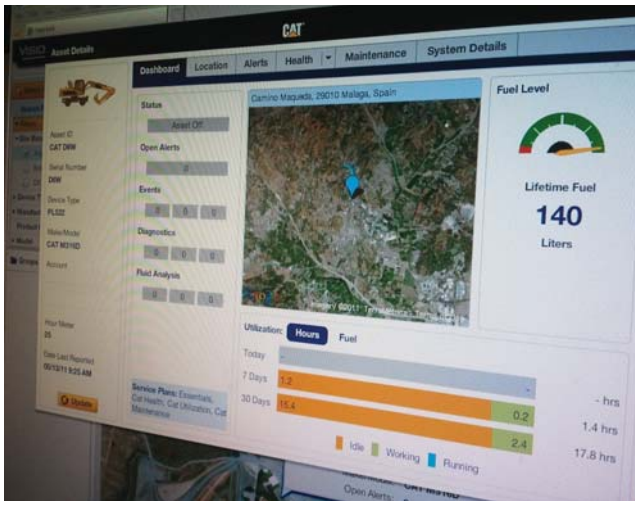
Product Link

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 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 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 saves your 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 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 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.

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 replace the standard lights, for increased visibility on the job site, higher durability and longer life.

M318D MH Wheel Material Handler Specifications

Engine

Engine Model	Cat® C6.6 with ACERT™ Technology
Ratings	1,800 rpm
Gross Power	130 kW (177 hp)
Net Power	
ISO 9249	124 kW (169 hp)
EEC 80/1269	124 kW (169 hp)
Bore	105 mm
Stroke	127 mm
Displacement	6.6 L
Cylinders	6
Maximum torque at 1,400 rpm	805 N·m

- All engine horsepower (hp) are metric including front page.
- EU Stage IIIA (distributed through transitional provisions), and non-current Tier 3 or Stage IIIA emission standards for territories other than EU and ADSD-N.
- Full engine net power up to 3000 m altitude.

Hydraulic System

Tank Capacity	170 L
System	255 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	310 bar
Maximum Flow	
Implement/Travel Circuit	290 L/min
Auxiliary Circuit	
High Pressure	250 L/min
Medium Pressure	40 L/min
Swing Mechanism	112 L/min

Cab/ROPS/FOGS

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

Weights

MH Boom	
Rear Dozer Only	19 150 kg
Rear Dozer, Front Outriggers	20 350 kg
Front and Rear Outriggers	20 600 kg
With MH Undercarriage	21 650 kg
With MH Undercarriage and Push Blade	22 350 kg
MH Short Boom	
Rear Dozer Only	19 150 kg
Rear Dozer, Front Outriggers	20 350 kg
Front and Rear Outriggers	20 600 kg
With MH Undercarriage	21 650 kg
With MH Undercarriage and Push Blade	22 350 kg
With Compact Undercarriage and with 4.2 m Stick and solid tires	20 990 kg
VA Boom	
Rear Dozer Only	19 500 kg
Rear Dozer, Front Outriggers	20 700 kg
Front and Rear Outriggers	20 950 kg
With MH Undercarriage	22 000 kg
With MH Undercarriage and Push Blade	22 700 kg
One-Piece Boom	
Rear Dozer Only	18 950 kg
Rear Dozer, Front Outriggers	20 150 kg
Front and Rear Outriggers	20 400 kg
With MH Undercarriage	21 450 kg
With MH Undercarriage and Push Blade	22 150 kg
Sticks	
MH Straight	950 kg
MH Drop Nose (4900 mm)	840 kg
Digging Short	550 kg
Digging Medium	580 kg
Digging Long	600 kg
Industrial (3300 mm with VA Boom only)	520 kg
MH Push Blade (with MH Undercarriage)	675 kg
Dozer Blade	770 kg
Outriggers	1030 kg
Counterweights	
Standard	4000 kg

* M318D HCR – Machine weight with Hydraulic Cab Riser, medium stick, 4000 kg counterweight, with operator and full fuel tank, without work tool. Weight varies depending on configuration.

Swing Mechanism

Swing Speed	10 rpm
Swing Torque	48 kN·m

Transmission

Forward/Reverse	
1st Gear	8 km/h
2nd Gear	25 km/h
Creeper Speed	
1st Gear	3 km/h
2nd Gear	13 km/h
Drawbar Pull	103 kN
Maximum Gradeability	47%

Tire Options

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

Undercarriage

Ground Clearance	
MH Undercarriage	380 mm
Compact Undercarriage	350 mm
Maximum Steering Angle	35°
Oscillation Axle Angle	± 5°
Minimum Turning Radius, Standard Axle Outside of Tire with:	
MH Undercarriage	6800 mm
Compact Undercarriage	6400 mm
End of VA Boom	7100 mm
End of One-Piece Boom	8500 mm

Service Refill Capacities

Fuel Tank Capacity	385 L
Cooling	36 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

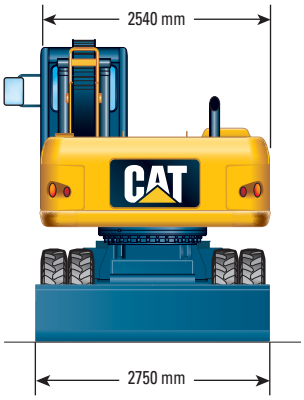
Sound Levels

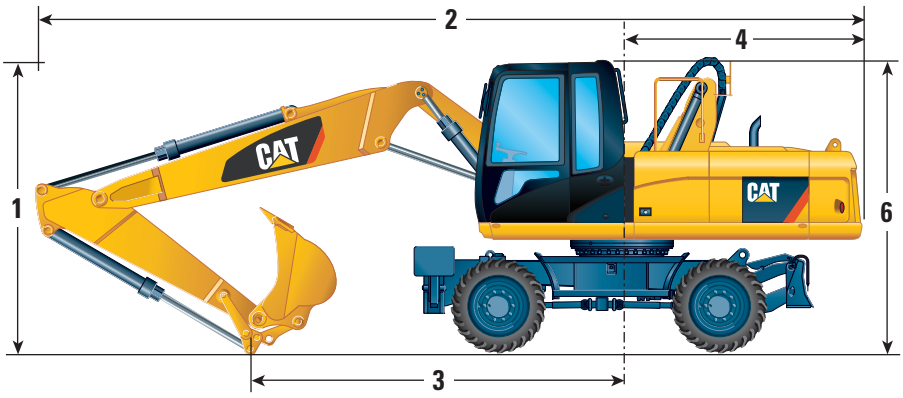
Exterior Sound

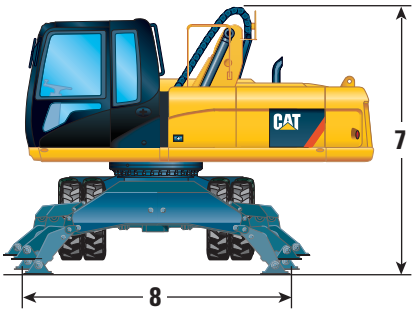
- The labeled spectator sound power level measured according to the test procedures and conditions specified in 2000/14/EC is 103 dB(A).

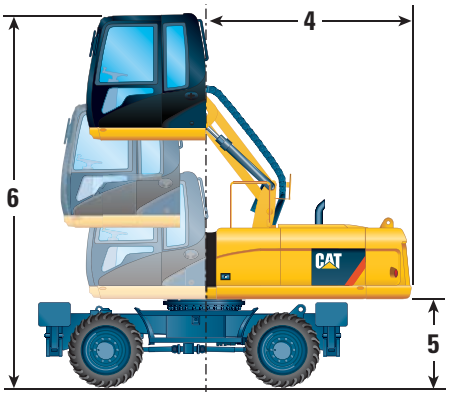
Dimensions with Standard Undercarriage (with pneumatic tires)

All dimensions are approximate.



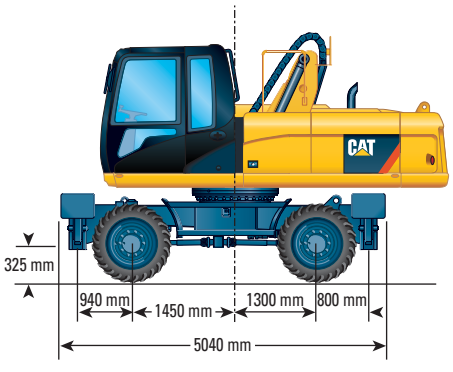




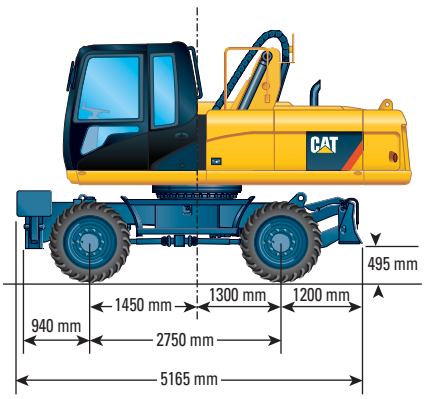


	VA Boom	One-Piece Boom
1 Shipping Height	3400 mm	3400 mm
2 Shipping Length		
2200 mm Stick	8870 mm	8970 mm
2500 mm Stick	8850 mm	8960 mm
2800 mm Stick	8820 mm	8950 mm
3 Support Point		
2200 mm Stick	3960 mm	3830 mm
2500 mm Stick	3640 mm	3500 mm
2800 mm Stick	3510 mm	3330 mm
4 Tail Swing Radius	2565 mm	2565 mm
5 Counterweight Clearance	1310 mm	1310 mm
6 Cab Height with Hydraulic Cab Riser		
Lowered	3230 mm	3230 mm
Raised	5630 mm	5630 mm
Lowered with Guard Falling Object	3360 mm	3360 mm
7 Height of Tray Group Flex	3400 mm	3400 mm
8 Stabilizer Width on Ground	3930 mm	3930 mm

Undercarriage with 2 sets of outriggers



Undercarriage with 1 set of outriggers and dozer

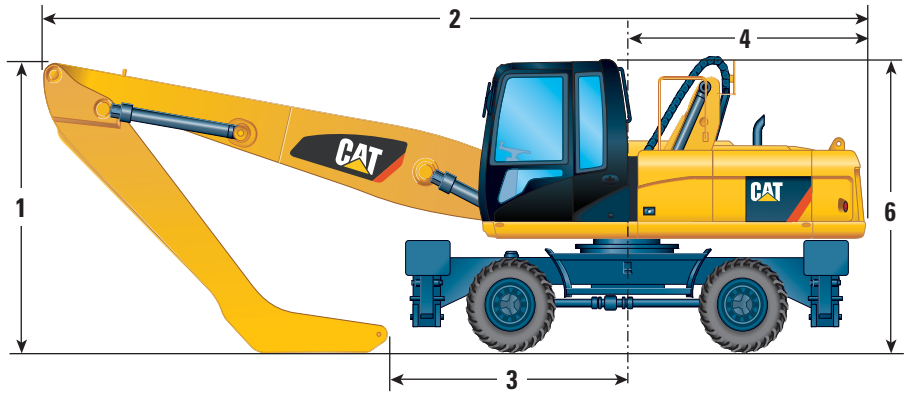


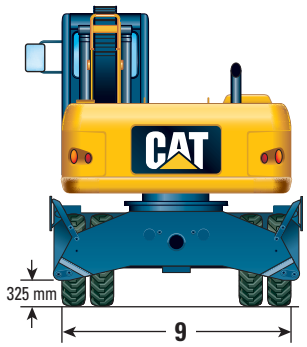
M318D MH Wheel Material Handler Specifications

Dimensions with MH and Compact Undercarriage (with pneumatic tires)

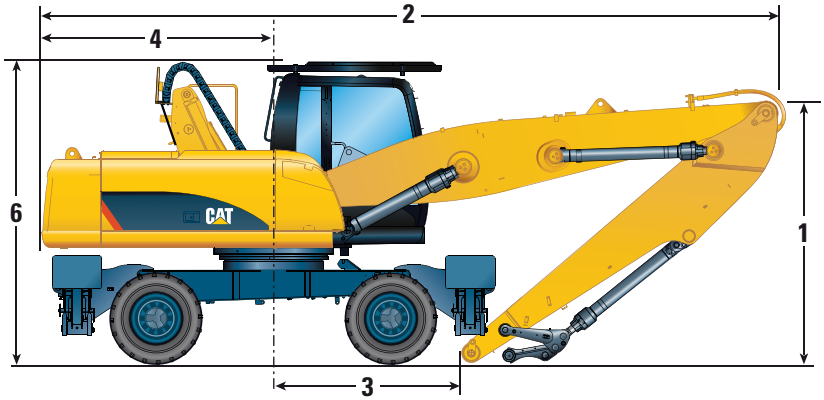
All dimensions are approximate.

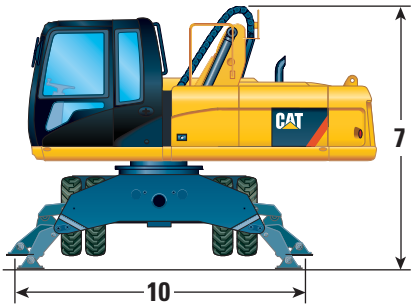
MH Boom with MH Undercarriage

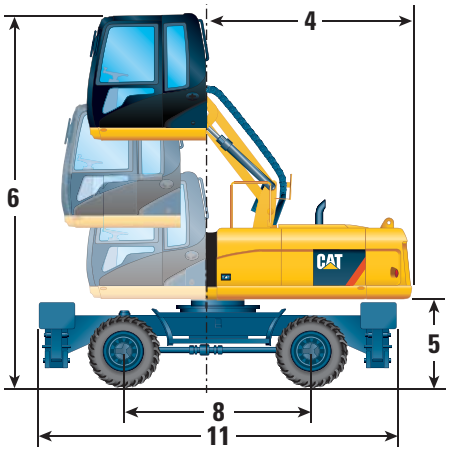




Short MH Boom with Compact Undercarriage





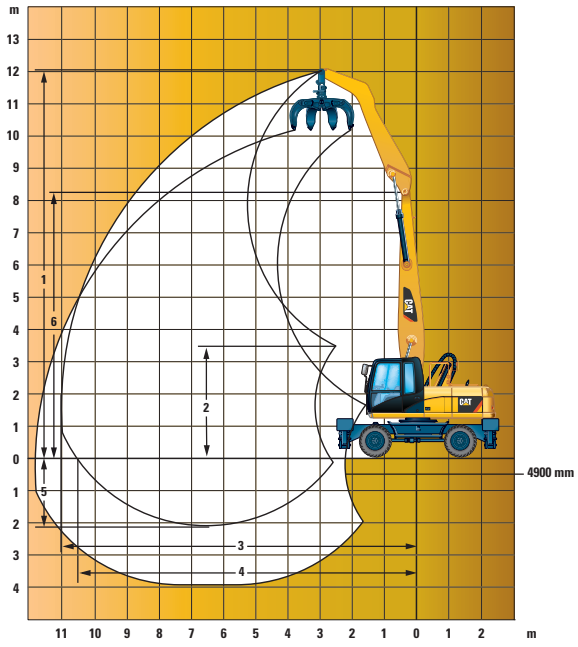


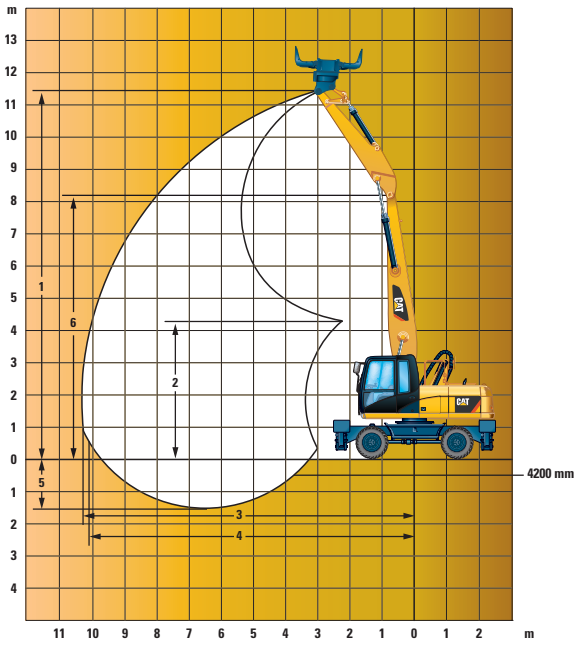
	MH Boom with MH UC	Short MH Boom* with Compact UC
1 Shipping Height		
4200 mm Straight Stick	3400 mm	3400 mm
4900 mm Drop Nose Stick**	3620 mm	4535 mm
2 Shipping Length		
4200 mm Straight Stick	9060 mm	8150 mm
4900 mm Drop Nose Stick**	9180 mm	7885 mm
3 Shipping Position Support Point		
4200 mm Straight Stick	3130 mm	2190 mm
4900 mm Drop Nose Stick**	2770 mm	2400 mm
4 Tail Swing Radius	2565 mm	2565 mm
5 Counterweight Clearance	1310 mm	1310 mm
6 Cab Height with Hydraulic Cab Riser		
Lowered	3230 mm	3230 mm
Raised	5630 mm	5630 mm
Lowered with Guard Falling Object	3360 mm	3360 mm
7 Height of Tray Group Flex	3400 mm	3400 mm
8 Wheel Base	2750 mm	2600 mm
9 Undercarriage Width	2990 mm	2550 mm
10 Stabilizer Width on Ground	4360 mm	3680 mm
11 Undercarriage Length	5250 mm	4900 mm

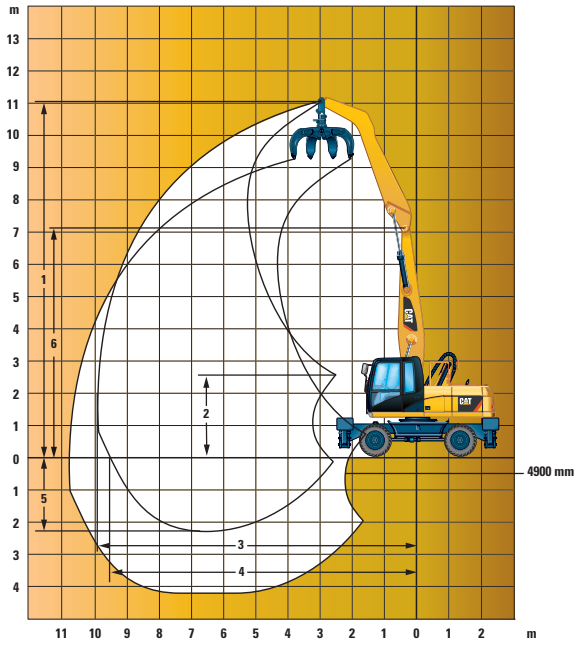
*Dimensions with compact undercarriage, stabilizers front and rear, counterweight 4000 kg and without work tool.

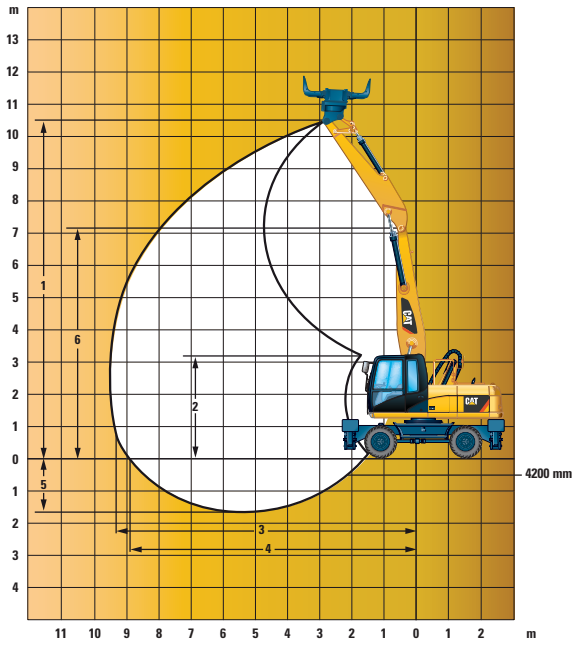
**When the shipping height is over 4 m, the stick needs to be removed for transportation.

Working Ranges









Undercarriage	MH Undercarriage		Compact MH Undercarriage	
Stick	**MH Drop Nose Stick 4900 mm**	**MH Straight Stick 4200 mm**	**MH Drop Nose Stick 4900 mm**	**MH Straight Stick 4200 mm**
Boom Length	6400 mm	6400 mm	5350 mm	5350 mm
1 Maximum Height	12 040 mm	11 490 mm	11 020 mm	10 440 mm
2 Minimum Dump Height	3690 mm	4330 mm	2635 mm	3255 mm
3 Maximum Reach	11 000 mm	10 350 mm	9990 mm	9330 mm
4 Maximum Reach at Ground Level	10 620 mm	10 180 mm	9600 mm	8900 mm
5 Maximum Depth	2190 mm	1480 mm	2324 mm	1650 mm
6 Boom Pin Height	8235 mm	8235 mm	7190 mm	7158 mm

M318D MH Wheel Material Handler Specifications

Work Tools Matching Guide

	Boom		MH Boom 6400 mm				Short MH Boom 5350 mm	
	Undercarriage		MH		Standard		Compact	
Without Quick Coupler	Stick Length (mm)		4900	4200	4900	4200	4900	4200
360° Rotatable Shears*	S325B, S340B						**	**
Multi-Grapples	G315B	D, R	×		×		×	
Orange Peel Grapples (5 tines)	GSH15B	400						
		500, 600						
		800				×		
	GSH20B	600			×	×		
		800			×	×	×	×
Orange Peel Grapples (4 tines)	GSH15B	400, 500, 600						
		800						
	GSH20B	600				×		
		800			×	×	×	×
With Quick Coupler								
Quick Couplers	CW-30, 30S		×		×		×	
	CW-40, 40S		×	×	×	×	×	×
Multi-Grapples	G315B	D, R	×		×		×	

*Boom mounted.
**S325B only. S340B not compatible.

360° Working Range
Quick Coupler Match
× Not Compatible
Maximum Material Density 1800 kg/m³
Maximum Material Density 1200 kg/m³

Lift Capacities

All values are in kg, without bucket and without QC, with counterweight (4000 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
6400 mm

Stick
4900 mm

Undercarriage configuration		3.0 m			4.5 m			6.0 m			7.5 m			9.0 m			10.5 m						m
10.5 m	2 sets stab down							*6500	*6500	*6500										*5250	*5250	*5250	6.70
	Rear dozer up							5800	4700	3950										4800	3850	3250	
	Rear dozer down								*6500	4450											*5250	3700	
	Dozer and stab down								*6500	6450											*5250	*5250	
9.0 m	2 sets stab down							*7850	*7850	7800	*6300	*6300	5400							*4700	*4700	4500	8.32
	Rear dozer up							5900	4800	4100	4100	3300	2800							3450	2750	2300	
	Rear dozer down								*7850	4600		*6300	3150								*4700	2600	
	Dozer and stab down								*7850	6600		*6300	4550								*4700	3850	
7.5 m	2 sets stab down							*8200	*8200	7800	*7100	6700	5400	*5500	4950	4000				*4400	*4400	3700	9.42
	Rear dozer up							5900	4800	4100	4150	3300	2850	3050	2400	2050				2800	2200	1850	
	Rear dozer down								*8200	4600		6600	3200		4800	2300					*4400	2100	
	Dozer and stab down								*8200	6600		*7100	4600		5400	3400					*4400	3150	
6.0 m	2 sets stab down							*8450	*8450	7700	*7200	6600	5350	5650	4950	4000				*4300	4050	3250	10.18
	Rear dozer up							5800	4700	3950	4050	3250	2750	3050	2400	2050				2450	1900	1600	
	Rear dozer down								*8450	4450		6500	3150		4800	2300					3900	1850	
	Dozer and stab down								*8450	6450		*7200	4550		5400	3400					*4300	2750	
4.5 m	2 sets stab down				*11 200	*11 200	*11 200	*8900	*8900	7450	*7400	6500	5250	5550	4850	3950	4350	3800	3100	4250	3700	3000	10.68
	Rear dozer up				8850	7100	5900	5600	4500	3800	3950	3150	2650	2950	2350	1950	2300	1800	1500	2250	1750	1450	
	Rear dozer down					*11 200	6700		*8900	4250		6400	3000		4750	2250		3700	1700		3600	1650	
	Dozer and stab down					*11 200	10 000		*8900	6250		7150	4400		5350	3350		4200	2600		4050	2500	
3.0 m	2 sets stab down	*18 650	*18 650	*18 650	*12 400	*12 400	11 500	*9400	9050	7150	7300	6300	5050	5450	4800	3850	4300	3800	3050	4050	3550	2850	10.94
	Rear dozer up	16 850	12 800	9950	8250	6500	5350	5300	4200	3500	3800	3000	2500	2900	2250	1900	2250	1750	1450	2150	1650	1350	
	Rear dozer down		*18 650	11 750		*12 400	6150		9000	4000		6200	2850		4650	2150		3650	1700		3400	1550	
	Dozer and stab down		*18 650	*18 650		*12 400	9350		*9400	5950		6950	4250		5250	3250		4150	2550		3900	2400	
1.5 m	2 sets stab down				*13 100	*13 100	10 800	*9650	8700	6800	7100	6150	4900	5350	4700	3750	4250	3750	3000	3950	3500	2800	11.00
	Rear dozer up				7600	5900	4800	5000	3900	3250	3650	2850	2350	2800	2150	1800	2250	1700	1400	2100	1600	1300	
	Rear dozer down					*13 100	5550		8650	3700		6000	2700		4550	2100		3600	1650		3350	1550	
	Dozer and stab down					*13 100	8700		*9650	5650		6800	4100		5150	3150		4100	2500		3800	2350	
0.0 m	2 sets stab down	*3500	*3500	*3500	*12 200	*12 200	10 300	*9250	8400	6550	6950	6000	4750	5250	4600	3650	*4100	3700	2950				
	Rear dozer up	*3500	*3500	*3500	7200	5450	4400	4750	3650	3000	3500	2700	2250	2700	2100	1750	2200	1700	1400				
	Rear dozer down		*3500	*3500		*12 200	5150		8350	3500		5850	2600		4450	2000		3550	1600				
	Dozer and stab down		*3500	*3500		*12 200	8250		*9250	5400		6600	3950		5050	3050		4050	2500				
–1.5 m	2 sets stab down				*9600	*9600	*9600	*8100	*8100	6400	*6300	5900	4650	*4750	4550	3600							
	Rear dozer up				7000	5300	4200	4600	3550	2900	3400	2600	2150	2650	2050	1700							
	Rear dozer down					*9600	4950		*8100	3350		5750	2500		4400	1950							
	Dozer and stab down					*9600	8050		*8100	5250		*6300	3850		*4750	3000							

Undercarriage
Special Application

Boom
6400 mm

Stick
4900 mm

Undercarriage configuration		3.0 m		4.5 m		6.0 m		7.5 m		9.0 m		10.5 m				m
10.5 m	All stabilizers up					5750	4350							4800	3650	6.70
	All stabilizers down					*6500	*6500							*5250	*5250	
9.0 m	All stabilizers up					5900	4500	4100	3100					3450	2600	8.32
	All stabilizers down					*7850	*7850	*6300	*6300					*4700	*4700	
7.5 m	All stabilizers up					5900	4500	4150	3150	3050	2300			2800	2100	9.42
	All stabilizers down					*8200	*8200	*7100	6450	*5500	4800			*4400	*4400	
6.0 m	All stabilizers up					5800	4400	4100	3100	3050	2300			2450	1800	10.18
	All stabilizers down					*8450	*8450	*7200	6400	5850	4750			*4300	3900	
4.5 m	All stabilizers up			8750	6500	5550	4200	3950	2950	3000	2200	2350	1700	2250	1650	10.68
	All stabilizers down			*11 200	*11 200	*8900	*8900	*7400	6250	5800	4700	4550	3700	*4300	3600	
3.0 m	All stabilizers up	16 300	11 000	8150	5950	5300	3900	3800	2850	2900	2150	2300	1700	2150	1550	10.94
	All stabilizers down	*18 650	*18 650	*12 400	*12 400	*9400	8650	*7600	6100	5700	4600	4500	3650	4250	3450	
1.5 m	All stabilizers up			7550	5350	5000	3650	3650	2650	2800	2050	2250	1650	2100	1500	11.00
	All stabilizers down			*13 100	*13 100	*9650	8300	7400	5900	5600	4500	4450	3600	*4150	3400	
0.0 m	All stabilizers up	*3500	*3500	7100	4950	4750	3400	3500	2550	2750	2000	2200	1600			
	All stabilizers down	*3500	*3500	*12 200	*12 200	*9250	8050	*7200	5750	5500	4450	*4100	3600			
–1.5 m	All stabilizers up			6900	4800	4600	3300	3400	2450	2700	1950					
	All stabilizers down			*9600	*9600	*8100	7900	*6300	5650	*4750	4400					

*Limited by hydraulic rather than tipping load.

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

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

M318D MH Wheel Material Handler Specifications

Lift Capacities

All values are in kg, without bucket and without QC, with counterweight (4000 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
6400 mm

Stick
4200 mm

Load point height	Undercarriage configuration	3.0 m			4.5 m			6.0 m			7.5 m			9.0 m			10.5 m			Load at maximum reach			m
9.0 m	2 sets stab down							*8100	*8100	7350										*5300	*5300	5050	7.42
	Rear dozer up							5500	4350	3650										3750	2950	2450	
	Rear dozer down								*8100	4150											*5300	2800	
	Dozer and stab down								*8100	6150											*5300	4200	
7.5 m	2 sets stab down							*8300	*8300	7400	*7050	6300	5000							*4950	4900	3900	8.64
	Rear dozer up							5500	4400	3650	3750	2950	2450							2850	2200	1800	
	Rear dozer down								*8300	4150		6200	2800								4750	2100	
	Dozer and stab down								*8300	6150		6950	4200								*4950	3250	
6.0 m	2 sets stab down				*10 650	*10 650	*10 650	*8550	*8550	7250	*7100	6250	4950	5250	4550	3650				*4800	4150	3300	9.46
	Rear dozer up				8750	7000	5750	5400	4250	3550	3700	2900	2400	2650	2050	1650				2400	1850	1500	
	Rear dozer down					*10 650	6600		*8550	4050		6150	2750		4450	1950					4050	1750	
	Dozer and stab down					*10 650	9900		*8550	6050		6900	4150		5050	3000					4600	2750	
4.5 m	2 sets stab down	*14 500	*14 500	*14 500	*11 600	*11 600	*11 600	*8900	*8900	7000	7100	6100	4850	5200	4500	3600				4350	3800	3000	10.00
	Rear dozer up	*14 500	13 450	10 500	8300	6550	5350	5150	4050	3350	3600	2800	2300	2600	2000	1600				2150	1600	1300	
	Rear dozer down		*14 500	12 350		*11 600	6150		8900	3850		6000	2650		4400	1900					3650	1550	
	Dozer and stab down		*14 500	*14 500		*11 600	9450		*8900	5800		6750	4050		5000	2950					4150	2450	
3.0 m	2 sets stab down				*12 500	*12 500	10 850	*9250	8600	6700	6900	5950	4700	5100	4450	3500				4100	3550	2800	10.28
	Rear dozer up				7650	5900	4800	4850	3750	3100	3450	2650	2150	2550	1900	1550				2000	1500	1200	
	Rear dozer down					*12 500	5550		8550	3550		5800	2500		4300	1800					3450	1400	
	Dozer and stab down					*12 500	8750		*9250	5500		6600	3900		4900	2900					3950	2300	
1.5 m	2 sets stab down				*12 600	*12 600	10 200	*9200	8250	6400	6750	5750	4550	5050	4350	3400				*4000	3500	2750	10.34
	Rear dozer up				7050	5350	4250	4600	3500	2800	3250	2500	2000	2450	1850	1500				1950	1450	1150	
	Rear dozer down					*12 600	5000		8200	3300		5650	2350		4200	1750					3400	1350	
	Dozer and stab down					*12 600	8150		*9200	5200		6400	3750		4800	2800					3850	2250	
0.0 m	2 sets stab down				*9450	*9450	*9450	*8450	8000	6150	*6500	5650	4400	*4850	4300	3350							
	Rear dozer up				6700	5000	3950	4350	3300	2650	3150	2350	1900	2400	1800	1400							
	Rear dozer down					*9450	4700		7950	3100		5500	2250		4150	1700							
	Dozer and stab down					*9450	7750		*8450	5000		6250	3600		4750	2750							

Undercarriage
Special Application

Boom
6400 mm

Stick
4200 mm

	Undercarriage configuration	3.0 m		4.5 m		6.0 m		7.5 m		9.0 m		10.5 m		Load at maximum reach		m
9.0 m	All stabilizers up					5450	4050							3750	2750	7.42
	All stabilizers down					*8100	*8100							*5300	*5300	
7.5 m	All stabilizers up					5500	4100	3750	2750					2900	2100	8.64
	All stabilizers down					*8300	*8300	*7050	6050					*4950	4700	
6.0 m	All stabilizers up			8650	6350	5350	3950	3700	2700	2700	1900			2450	1700	9.46
	All stabilizers down			*10 650	*10 650	*8550	*8550	*7100	6000	5500	4400			*4800	4050	
4.5 m	All stabilizers up	*14 500	11 550	8200	5950	5150	3750	3600	2600	2650	1850			2200	1500	10.00
	All stabilizers down	*14 500	*14 500	*11 600	*11 600	*8900	8550	*7250	5900	5450	4350			4550	3650	
3.0 m	All stabilizers up			7600	5350	4850	3500	3450	2450	2550	1800			2050	1400	10.28
	All stabilizers down			*12 500	*12 500	*9250	8200	7200	5700	5350	4250			4300	3450	
1.5 m	All stabilizers up			7000	4850	4550	3250	3300	2300	2500	1750			2000	1350	10.34
	All stabilizers down			*12 600	*12 600	*9200	7900	7050	5550	5250	4200			*4000	3400	
0.0 m	All stabilizers up			6650	4500	4350	3050	3150	2200	2400	1650					
	All stabilizers down			*9450	*9450	*8450	7650	*6500	5400	*4850	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.

Lift Capacities

All values are in kg, without bucket and without QC, with counterweight (4000 kg), heavy lift on and with solid tires.

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

Undercarriage Narrow | **Short MH Boom** 5350 mm | **Straight Stick** 4200 mm

Undercarriage configuration	3.0 m		4.5 m		6.0 m		7.5 m		9.0 m				m
9.0 m	2 sets stabilizers up			7900	5700							5000	3600	5.86
	2 sets stabilizers down			*8550	*8550							*5800	*5800	
7.5 m	2 sets stabilizers up					4950	3600					3450	2450	7.36
	2 sets stabilizers down					*8250	6650					*5100	4650	
6.0 m	2 sets stabilizers up					4900	3550	3350	2400			2750	1950	8.32
	2 sets stabilizers down					*8600	6650	6500	4550			*4850	3750	
4.5 m	2 sets stabilizers up			7700	5500	4800	3450	3300	2350			2400	1650	8.93
	2 sets stabilizers down			*11 100	10 650	*8950	6500	6400	4500			4750	3300	
3.0 m	2 sets stabilizers up	14 550	9650	7200	5100	4550	3250	3200	2250	2350	1600	2250	1550	9.25
	2 sets stabilizers down	*17 950	*17 950	*12 250	10 150	9200	6250	6300	4350	4650	3250	4450	3100	
1.5 m	2 sets stabilizers up	*12 400	8350	6700	4600	4300	3000	3050	2150	2300	1550	2150	1450	9.32
	2 sets stabilizers down	*12 400	*12 400	*13 000	9550	8900	6000	6150	4250	4600	3200	4350	3000	
0.0 m	2 sets stabilizers up	*6300	*6300	6300	4250	4100	2850	2950	2050					
	2 sets stabilizers down	*6300	*6300	*12 350	9100	8650	5800	6050	4150					
–1.5 m	2 sets stabilizers up			6100	4100	4000	2750							
	2 sets stabilizers down			*10 000	8900	*7400	5650							

Undercarriage Narrow | **Short MH Boom** 5350 mm | **Drop Nose Stick** 4900 mm

Undercarriage configuration	3.0 m		4.5 m		6.0 m		7.5 m		9.0 m				m
10.5 m	2 sets stabilizers down			*6750	*6750							*6200	*6200	4.77
	2 sets stabilizers up			*6750	5900							*6200	5350	
9.0 m	2 sets stabilizers down					*6750	*6750					*5000	*5000	6.88
	2 sets stabilizers up					5250	3950					4200	3100	
7.5 m	2 sets stabilizers down					*8000	7100	*6200	4900			*4550	4250	8.19
	2 sets stabilizers up					5350	4000	3750	2750			3200	2350	
6.0 m	2 sets stabilizers down					*8400	7050	6900	4900	*4550	3650	*4350	3600	9.06
	2 sets stabilizers up					5300	3950	3750	2750	2750	2000	2700	2000	
4.5 m	2 sets stabilizers down					*8800	6900	6800	4850	5050	3650	*4300	3250	9.62
	2 sets stabilizers up					5200	3850	3650	2700	2750	2000	2450	1750	
3.0 m	2 sets stabilizers down			*11 850	10 700	*9350	6700	6650	4750	5000	3600	4300	3100	9.92
	2 sets stabilizers up			7750	5600	4950	3650	3550	2600	2700	1950	2300	1650	
1.5 m	2 sets stabilizers down	*19 900	*19 900	*13 050	10 100	9350	6400	6500	4600	4950	3500	4250	3000	9.99
	2 sets stabilizers up	13 950	9200	7200	5100	4700	3400	3400	2500	2600	1900	2250	1600	
0.0 m	2 sets stabilizers down	*8250	*8250	*13 200	9600	9050	6150	6400	4450	4850	3450			
	2 sets stabilizers up	*8250	*8250	6750	4700	4500	3200	3300	2350	2550	1850			
–1.5 m	2 sets stabilizers down	*7250	*7250	*11 700	9300	*8650	6000	6300	4400					
	2 sets stabilizers up	*7250	*7250	6500	4450	4350	3050	3200	2300					

*Limited by hydraulic rather than tipping load.

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

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

M318D MH Wheel Material Handler Standard Equipment

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

Electrical
Alternator, 75 A
Lights
- Boom working light
- Cab interior light
- Roading lights two front
- Roading lights two LED modules rear
- Working lights, cab mounted (front and rear)

Main shut-off switch
Maintenance free batteries
Signal/warning horn

Engine
Air filter
Automatic engine speed control
Automatic starting aid
Cat C6.6 with ACERT Technology EU Stage IIIA compliant
Fuel filter
Fuel/water separator with level indicator
High ambient cooling
Power mode selector (economy, power)

Hydraulics
Heavy lift mode
Load-sensing Plus hydraulic system
Oil cooler
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, intermittent, 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, color display
- Information and warning messages in local language
- Gauges for fuel level, engine coolant and hydraulic oil temperature
- Filters/fluids change interval, working hours
- Indicators for headlights, turning signal, low fuel, engine dial setting
- Clock with 10-day backup battery

Joysticks, pilot operated
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
Mounting provisions for radio and speakers
Parking brake
Positive filtered ventilation, variable speed
Power supply, 12V-7A
Rear window, emergency exit
Reinforced cab structure compliant with 2006/42/EC and tested according to ISO 12117-2:2008
Retractable seat belt
Skylight
Sliding door windows
Steering column, tiltable
Steps, undercarriage
Storage area suitable for a lunch box
Sunshade for windshield and skylight

Undercarriage
Creeper speed
Four wheel drive
Full hydraulic steering with emergency capability
Heavy-duty axles, advanced travel motor, adjustable braking force and disc brake system
Oscillating front axle, lockable, with remote greasing
Steps, wide, left and right
Tool box in undercarriage
- Second tool box for undercarriage

Two-speed hydrostatic transmission

Other Equipment
Anti-drift valves for boom cylinder
Automatic swing brake
Capability to add auxiliary hydraulic circuit
Cat Datalink and Electronic Technician capability (ET)
Counterweight, 4000 kg
Door locks and cap locks with Cat one-key security system
Mirrors, frame and cab
Product Link ready
S·O·S Quick Sampling valves for engine oil, hydraulic oil and coolant

M318D 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
Anti-drift valves for bucket, stick, VA boom and tool control/multi-function circuits
Basic control circuits:
- Single action
  - One-way, high pressure circuit, for hammering application
- Medium pressure
  - Two-way, medium pressure circuit, for rotating or tilting of work tools
- Tool control/multi function
  - One/two-way high pressure for hammer application or opening and closing of a work tool
  - Programmable flow and pressure for up to 10 work tools – selection via monitor
- Second high pressure
  - Additional two-way, high pressure circuit, for tools requiring a second high or medium pressure function
- Quick coupler control

Cat BIO HYDO Advanced HEES™ biodegradable hydraulic oil
Generator with valve and priority function
Lowering control devices for boom and stick
Quick couplings disconnect
SmartBoom™

Booms and Sticks

Booms:
- One-piece boom (5350 mm)
- Material Handling boom (6400 mm)
- Short MH boom (5350 mm)
- VA boom (5260 mm)

Sticks:
- Drop nose MH stick (4900 mm)
- Sticks (2200/2500/2800/3300 mm)
- Straight MH stick (4200 mm)

Electrical

Back-up alarm with three selectable modes
Heavy-duty maintenance free batteries
Refueling pump
Rotating beacon

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 (Standard)
- – air suspension, vertical (Comfort +)
- – headrest, air suspension (horizontal and vertical), two-step seat heater, automatic weight adjustments, ventilated seat cushions, pneumatically adjustable lumbar support (Deluxe)

Travel speed lock
Vandalism guards
Visor for rain protection
Windshield
- One-piece high impact resistant
- 70/30 split, openable

Undercarriage

MH compact undercarriage with four welded outriggers
MH undercarriage with four welded outriggers
MH undercarriage with four welded outriggers and front mounted blade
Standard undercarriage, with outriggers (front and/or rear), dozer blade (rear)

Other Equipment

Auto-lube system (implements and swing gear)
Bucket linkages
Cat Machine Security System
Cat Product Link
Hydraulic quick coupler
Mirrors
Mirrors heated, frame and cab
Spacer rings for tires
Spindle quick coupler
Tires
- Dual pneumatic 10.00-20
- Dual pneumatic 11.00-20*
- Dual solid rubber, 10.00-20

Until 43° C, only for the M318D MH Waste Handler
Waste Handling Package – Ambient capability is 43 degree Celsius

*Not available with the compact undercarriage

M318D MH Wheel Material Handler

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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