MH3026

Wheel Material Handler

2018

Engine		
Engine Model	Cat® C7.1 ACERT™	
Emissions	EU Stage IV	
Power (Maximum)		
ISO 9249 at 1,700 rpm	126 kW	169 hp
ISO 9249 at 1,700 rpm (metric)		171 hp (PS)
ISO 14396 at 1,700 rpm (gross)	129.4 kW	174 hp
ISO 14396 at 1,700 rpm (gross) (metric)		176 hp (PS)

Weights	
Operating Weight with Work Tool	23 135 kg-27 505 kg
Working Ranges (MH boom, stick 5900 mm)	
Maximum Reach (stick pin)	12 485 mm
Maximum Height (stick pin)	13 300 mm
Drive	
Maximum Travel Speed	25 km/h

Introduction

We know that when it comes to material handling equipment, your success depends on high productivity and dependable performance. The MH3026 offers a great compromise between the agility, versatility and performance of a wheeled excavator and the stability, efficiency and power needed to cope with harsh environments and applications of industrial, scrap, waste recycling and bulk handling operations, which call for safe, quality and reliable products, while generating a low operating cost to the owner.

Contents

The new MH3026 is here to help you take on the wide variety of challenges you face every day, more easily and at a lower cost.

Commitment from the Ground Up.

Sustainability

Generations Ahead in Every Way

Fuel Efficiency and Reduced Exhaust Emissions

The engine meets Stage IV emission standards, is powerful and efficient, with an optimized 10% fuel consumption improvement versus the previous series and no impact on your productivity. This means less resource consumption and smaller CO_2 footprint.

Transparent Technologies and Longer Service Intervals

- The Eco Mode, Auto Engine Speed Control and Engine Idle Shutdown help further reduce your overall fuel consumption.
- Product Link™ allows remote monitoring of the machine and helps improve overall efficiency.
- You Cat dealer can help extend service intervals, meaning fewer fluids and disposals, all adding up to lower costs.

Biodiesel and Biodegradable Hydraulic Oil

- The MH3026 has the flexibility to run on either ultra-low-sulfur diesel fuel (ULSD with 10 ppm of sulfur or less) or up to B20 biodiesel blended with ULSD.
- Cat BIO HYDO™ Advanced HEES™ reduces the impact on the environment.

Cat Certified Used

This program is a key element in the range of solutions offered by Caterpillar and Cat dealers to help customers achieve growth at the lowest cost while eliminating waste. Used equipment is inspected, guaranteed and ready for work and customers will benefit from a Caterpillar warranty.

Blue Angel Certification

Coming soon*

*Not available for all machine configurations.

Engine
Power, Reliability, and Fuel Economy

The Power and Performance You Need

Constant Power Strategy
Provides a quick response to changing loads, while delivering the same amount of power regardless of operating conditions.

A Transparent Emission Solution That Works.
The Cat C7.1 ACERT engine meets today's Stage IV emission standards, and it does so without interrupting your job process. It is designed to be:

- **Transparent:** no operator intervention
- **Durable:** fit for life Diesel Particulate Filter
- **Efficient:** no work interruption, even in case of extended idling time
- **Simple:** minimum maintenance. Longitudinal engine installation, which further simplifies maintenance.

Biodiesel Not a Problem
The engine can run on up to B20 biodiesel fuel that meets ASTM 6751 standards – and reduce CO_2 emission to protect the environment.

Proven Technology
To assure that our technology will meet your expectations for reliable trouble-free service, we subjected these engines and technologies to extensive operating hours of test and validation.

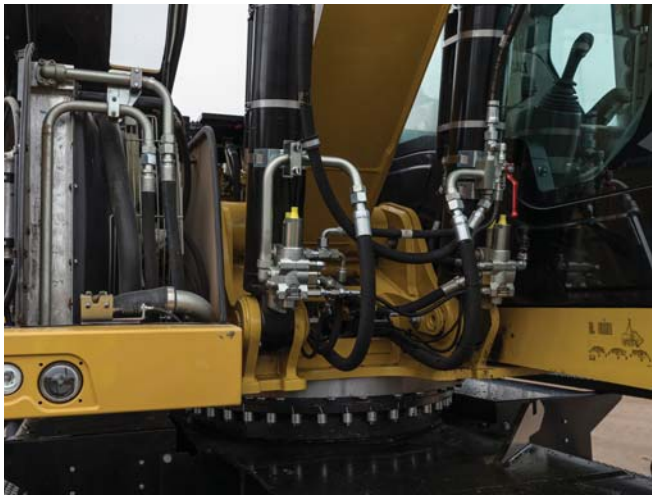
Built-in Fuel Savers That Add Up

- **Automatic Engine Speed Control:** lowers engine speed when it is not needed.
- **Engine Idle Shutdown:** turns the engine off when it's been idling for more than a pre-set amount of time.
- **On-Demand Cooling System:** variable speed and on-demand fan.
- **Enhanced Eco Mode:** reduces engine speed while delivering the same power.
- **Automatic Shift to Travel Mode** when you start driving.
- **Optimized Travel Mode:** travel mode rpm levels are set automatically on-demand only to further reduce fuel consumption.

Hydraulic System

Fast, Precise, Flexible

When it comes to moving material quickly, you need efficient hydraulics – the type the MH Series can deliver.



Efficient Design, Smart and Fast

- **Simple Design** – The hydraulic valve compartment and routings offer a simple and clean design to help ensure durability.
- **Smart Main Hydraulics** – The system allows reducing the load on the engine when not needed, which translates into lower fuel consumption.
- **Dedicated Swing Pump** – A closed hydraulic circuit is dedicated to the swing only. Having two separate pumps, one for the swing and the second for the other functions allows faster and smoother combined movements.

Control Like No Other

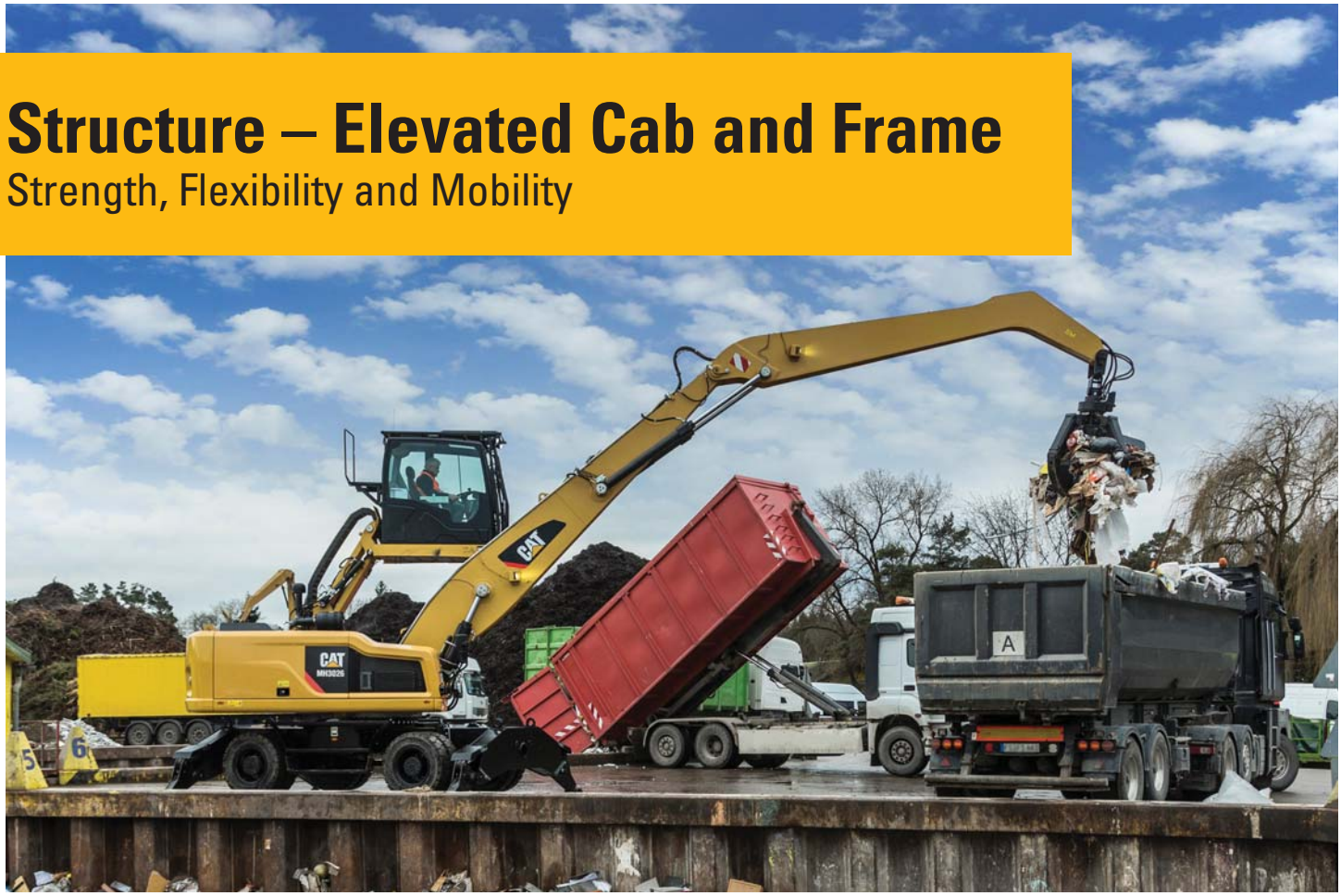
- **Electronic Pump Control** – Controllability is one of the main attributes of the MH3026, and one of the key contributors to this is the Electronic Pump Control (EPC) that's designed to improve response time and precision. It puts flow exactly where you need it, when you need it, which means a much smoother operation and greater efficiency.
- **Adjustable Hydraulic Sensitivity** – Allows you to adjust the aggressiveness of the machine according to the application.
- **Stick Regeneration Circuit** – Increases efficiency and helps enhance controllability for higher productivity of straight sticks with linkage.

Well Balanced Cooling Package

The hydraulic oil cooler is mounted side-by-side with the engine radiator and the air-to-air aftercooler (ATAAC). Located separately from the engine and featuring a well-balanced sizing, the new cooling package offers unprecedented up-times even in difficult environments.

Structure – Elevated Cab and Frame

Strength, Flexibility and Mobility



High Visibility – 2400 mm Elevated Cab

The hydraulic cab riser is designed to be:

- Stable – Wide lift arms, deep box-sectioned design, strong top and bottom links and retractable hydraulic cylinders used to raise the cab for greater stability.
- Fast – Two heavy-duty hydraulic cylinders provide quick and controlled up and down travel.
- Comfortable – The parallelogram design of the linkage allows the cab to remain level at all ranges of motion. Cab movement is also slowed as it reaches the end of the riser stroke, with no sudden start/stop effect.
- Safe – The cab can be lowered using either a lever inside the cab or one on the frame at ground level in the event of a hydraulic malfunction.

Undercarriage Options

Effective hydraulic line routing, transmission protection and heavy-duty axles make the Cat undercarriages perfect for material handler applications. Three different undercarriages are available to provide the stability you need for your applications: 2.75 m standard undercarriage, 2.75 m MH undercarriage and 2.99 m MH undercarriage.

- **NEW!** Material Handling with Dozer Blade – An optional expansion to the new Material Handling 2.75 m 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.

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. The drive shaft offers long service intervals.

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.

Driveline Concept

The driveline design effectively utilizes engine torque and power to provide a comfortable ride with improved smoothness.

Travel mode rpm levels are set automatically and “on-demand only” to further reduce fuel consumption.

SmartBoom™

Allow Your Operator to Fully Concentrate on Production

The unique Cat SmartBoom significantly enhances operator comfort and job efficiency by reducing stress and vibrations transmitted to the machine. Loading is more productive and more fuel efficient as the return cycle is reduced while the boom down function does not require pump flow.

Front Linkage

No Compromise on Durability

You know that a material handler works only as good as its front linkage is able to handle the job. The MH3026's booms and sticks are purpose built for the loads encountered in material handling applications.

MH Booms

MH boom includes high pressure hydraulic lines for opening and closing functionality and medium pressure lines for implement rotation.

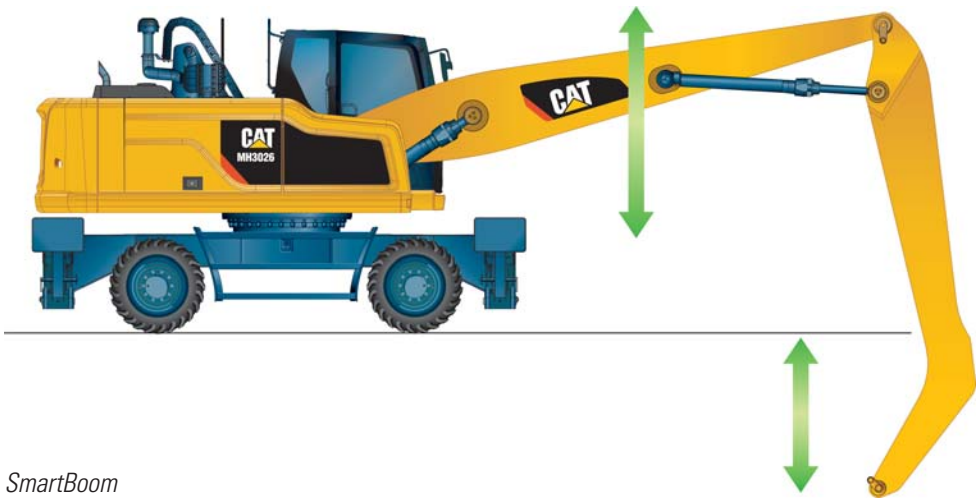
MH Sticks

MH sticks are equipped with high and medium pressure auxiliary lines. The 4900, 5500 and 5900 mm drop nose sticks offer the reaching and lifting capabilities required for typical MH applications, while the 4800 mm Straight Stick is the best solution when additional work tool functionality is needed.

Special Applications

Our material handlers offer the ability to combine the hydraulic cab riser with a traditional excavator front linkage. This combination has been proven in transfer station, mining, and millyard applications.

Digging sticks are available in combination with a variable adjustable (VA) or one-piece boom.



SmartBoom

Smart Features
Easier than Ever

Joystick Steering (Optional)
Keep both hands on your joysticks even when you need to reposition the machine while simultaneously moving the implements.

Swing and Auto Travel Lock
No need for the operator to bend to engage the swing lock pin.
- Just press a button,
- Align the upper to the lower frame,
- Enjoy the ride: a green indicator confirms the swing and the implements have been automatically locked.
- The swing lock can be applied independently from the implements lock at low speed (below 5 km/h)

Integrated Pin Code
No need to buy an optional security system to protect your equipment against theft.
- The pin code is integrated into the monitor (standard)
- Entering the right code allows the engine to start

The Machine Security System (MSS – optional) adds even more protection when needed.

Cruise Control
No need to press the pedal all the time.
- Choose the very speed you wish
- Press the quick access button on the monitor
- Enjoy the ride

Load and Go Auto Axle Lock
Presses the Pedal for You, Reducing the Number of Actions You Need to Do

The machine automatically detects when the service brake and axle need to be locked (like when working), or unlocked (roading), hence removing the need for the operator to systematically press the pedal. Brake and axle are released automatically by pressing the travel pedal again.

Premium Comfort
Keeps Operators Productive All Shift Long

Designed for the operator, our cabs are unique.

Ergonomic Layout
- Frequently used switches are centralized, kept to the minimum and ideally located close to the joysticks.
- Storage compartments are useful … when well designed. Several areas provide sufficient room to store a hard hat, a drink, phone, or keys.

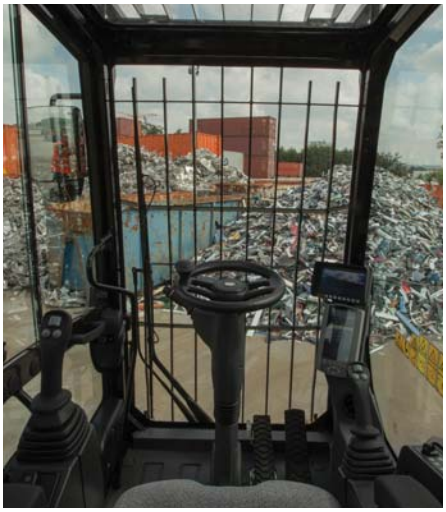
Comfortable Seat Options
Our seats provide all the comfort needed for a long day of work, including FULL adjustment. All seats are heated and air suspended. Automatic weight adjustment and ventilated seats are available.

Safety Is Not Optional
TOPS cabs, seat belt alarm, safety lever, sideview camera … among others.

Details That Make the Difference
Have a look at the cab; you will see it is through details that we improve pleasure of operating.

Smart Controls to Reduce Fatigue
- Features like SmartBoom or joystick steering will be precious to increase your productivity.
- New technologies that work transparently like the swing and auto travel lock or the automatic brake and axle lock, reduce the number of tasks you need to do.

Plug, Charge and Play Your Devices
- The 12V 10A power supply socket is conveniently located for charging your laptop, or a tablet.
- A CD/MP3 radio with speakers and USB port is available.



Simplicity and Functionality
For Ease of Operation

A Cab Just for You – Fully Adjustable
- Seat armrests, in height and angle
- Steering column adjustment, not only tilting fore/aft but also in height
- Hydraulic sensitivity of the machine to make it more or less aggressive
- Joystick and left pedal controls assignments: can be set up as desired and per tool
- Optional advanced joystick offering more controls (two sliders, five buttons each)
- Automatic air conditioning
- Optional heated mirrors are now also electrically adjustable from the cab

Incredibly Low Sound Levels, Less Fatigue
Increased cab pressure, preventing from dust entry, combined with the cab design contributes to reducing sound.

Outstanding Visibility: See the difference!
- All glass areas have been drastically increased
- Standard LED working lights and halogen front roading lights
- Standard LED dome light
- Standard rearview AND sideview wide angle cameras
- Wide angle mirrors for a better visibility even down to the ground
- Parallel intermittent (four speeds) wipers covering the whole windshield

Standard LED Lights for BOTH Cameras to See What's Going on Around, Day or Night
The rear camera is integrated into the counterweight for enhanced protection.

Split-Screen View of BOTH Cameras on the Same Monitor
The views from both cameras are displayed side by side on the additional wide color monitor for better visibility at first glance.

Large Color Machine Monitor
Easy to read and in local language, the high resolution LCD monitor will keep you aware of any important information. "Quick Access" buttons allow a quick selection of favorite functions. The tool select function lets you preset up to ten different hydraulic attachments for quick tool changes.

Serviceability
When Uptime Counts

Convenient Access Built In

You can reach routine maintenance items like fuel and engine oil filters and fluid taps at ground level while fuel and DEF tank are accessible from the safety of the slip-resistant new service foldable step. Compartments feature wide composite service doors, designed to be more resistant to shocks, which all include gas struts to facilitate the opening.

A Smart Design for Any Temperature

The side-by-side coolers and axial fan design allows greater cooling performance. The system is completely separated from the engine compartment to reduce noise and heat, and all radiators are gathered in the same compartment while featuring easy-to-clean cores with a tilting device that requires no tool to unlock.

- The optional Cooling Protection Package includes a fine mesh for enhanced radiator protection and an engine air pre-cleaner.
- The optional Waste Handling Package adds a reversing fan rotation function with adjustable intervals and a vibrating grill on the cooling hood. This vibration together with the reversed airflow direction will shake accumulated particles off the mesh.

A Fresh Idea

Ventilation inside the cab allows outside air to enter through a fresh air filter. The filter is located on the side of the cab to make it easy to reach, and it is protected by a lockable door that can be opened with the ignition key.

Lube and Fuel Options

An automatic lubrication system is a time-saving standard feature for greasing the whole uppercarriage. Greasing points for the undercarriage are kept to a minimum and grouped. The drive shaft extends greasing intervals from 500 hours to 1,000 hours and allows simultaneous greasing with the lower axle bearing. An electric refueling pump is also available. The hose is stored in a dedicated tray, for more cleanliness. Add in the new electric lift pump removing the need to prime the system manually, the standard fuel and water separator and you get a machine that does the fastidious maintenance work for you.

Keep it simple.

Integrated Technologies

It Pays to Know

Cat Connect makes smart use of technology and services to improve your job site efficiency. Using the data from technology-equipped machines, you'll get more information and insight into your equipment and operations than ever before.

EQUIPMENT MANAGEMENT

Equipment Management – increase uptime and reduce operating costs.

PRODUCTIVITY

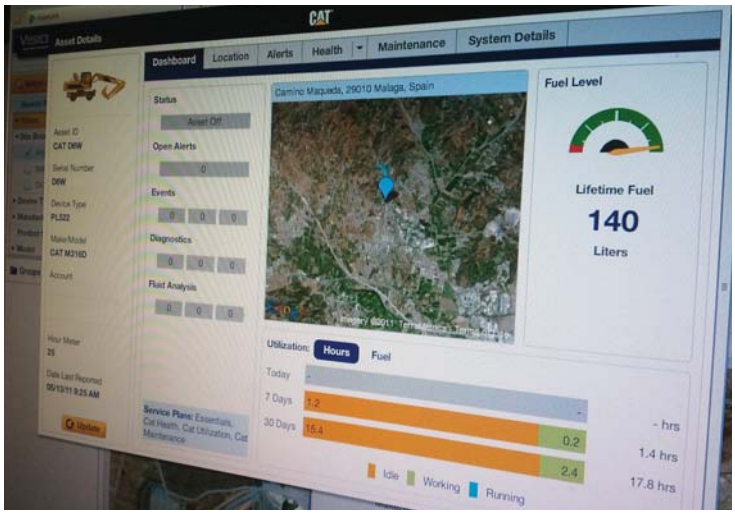
Productivity – monitor production and manage job site efficiency.

SAFETY

Safety – enhance job site awareness to keep your people and equipment safe.

Link

Link technologies provide wireless capability to machines to enable two-way transfer of information.



Manage Your Machine Remotely

Cat Product Link is a system that is deeply integrated into the machine monitoring system to take the guesswork out of managing your equipment. The system tracks location, hours, fuel usage, productivity, idle time, and diagnostic codes and shares it with you through VisionLink® to help you maximize efficiency, improve productivity, and lower operating costs.

Complete Customer Care

Your Cat Dealer Will Support You Like No Other

Support You Can Count On

From helping you to choose the right machine to knowledgeable on-going support, Cat dealers provide the best-in-sales and services.

- **Best long-term investment** with financing options and services
- **Productive operation** with training programs
- **Preventive maintenance** and guaranteed maintenance contracts
- **Uptime**, with best-in-class parts availability
- **Repair, rebuild, or replace?** Your dealer can help evaluate the best option.

Work Tool Attachments

Move More, Make More

Optional 15 kW Cat Generator with Solid State Controller

If your work tool or application needs additional power for operation, the MH3026 can come equipped with an optional 15 kW solid state generator. Experience enhanced sorting ability through the proprietary solid state generator control. The genset is capable of producing enough power to operate up to a 1.4 m diameter magnet. The optional solid state genset would be placed in the upper frame for ease of maintenance without obstructing other machine components.

With the operator friendly material sorting control enables the machine operator to turn the magnet current on and off at quick intervals without initiating the actual “drop” or “reverse current” cycle of the magnet which completely and quickly cleans the material off of the magnet during normal production handling.

This proprietary generator system is designed, sold and serviced by Caterpillar and Cat dealers worldwide.

Attachment Solutions for Industrial and Recycling Applications

When productivity, reliability and stability are important, Cat attachments are the perfect solution.

Productive and Perfectly Matched

Loading and unloading is foundational to your productivity. Grapples are designed for maximum penetration into the pile. The full power of your machine is utilized to provide fast open/close times and powerful closing force. Full, 360° rotation systems allow precise placement. Together, an MH3026 and Cat grapple allow you to move volumes with minimal time and effort.

Built for Severe Material

Cat grapples are built to take on the material you move. Hydraulic components are protected from damage, yet easily accessed for routine maintenance. Areas that dig and penetrate are made of high quality, wear resistant material. Cat grapples last for a positive impact to your bottom line.

Orange Peel Grapples

The perfect solution for scrap yards, recycling plants and transfer stations. These grapples are available with 4 or 5 tines, in capacities from 600 to 1000 L. Several shell choices allow further customization of your grapple to the specific material you work with.

NEW! Grapples can further reduce fuel consumption. They feature reduced weight and improved cycle times. Castings in place of welded structures in high stress areas increase the durability of your equipment.

Clamshell Grapples

The perfect solution for loading and transferring large volumes of loose material like grain, coal, sand and gravel. These grapples are configured with several shells for different capacity options to meet your specific requirements.

Digging Grapples

Cat Digging grapples are designed to suit MH machines for digging applications where good penetration is required.

Waste Handling Grapples

The dedicated waste handling grapple has been specifically designed to offer high volume for maximum loads and proven fuel consumption.

Get the Most from Your Machine

You can easily expand all the possibilities the MH3026 offers by utilizing a straight stick linkage and combining it with any of the variety of Cat attachments for excavators. In this case, a quick coupler will bring the ability to quickly change attachments.

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.

Safety
Your Safety Is NOT Optional

Embedded Features

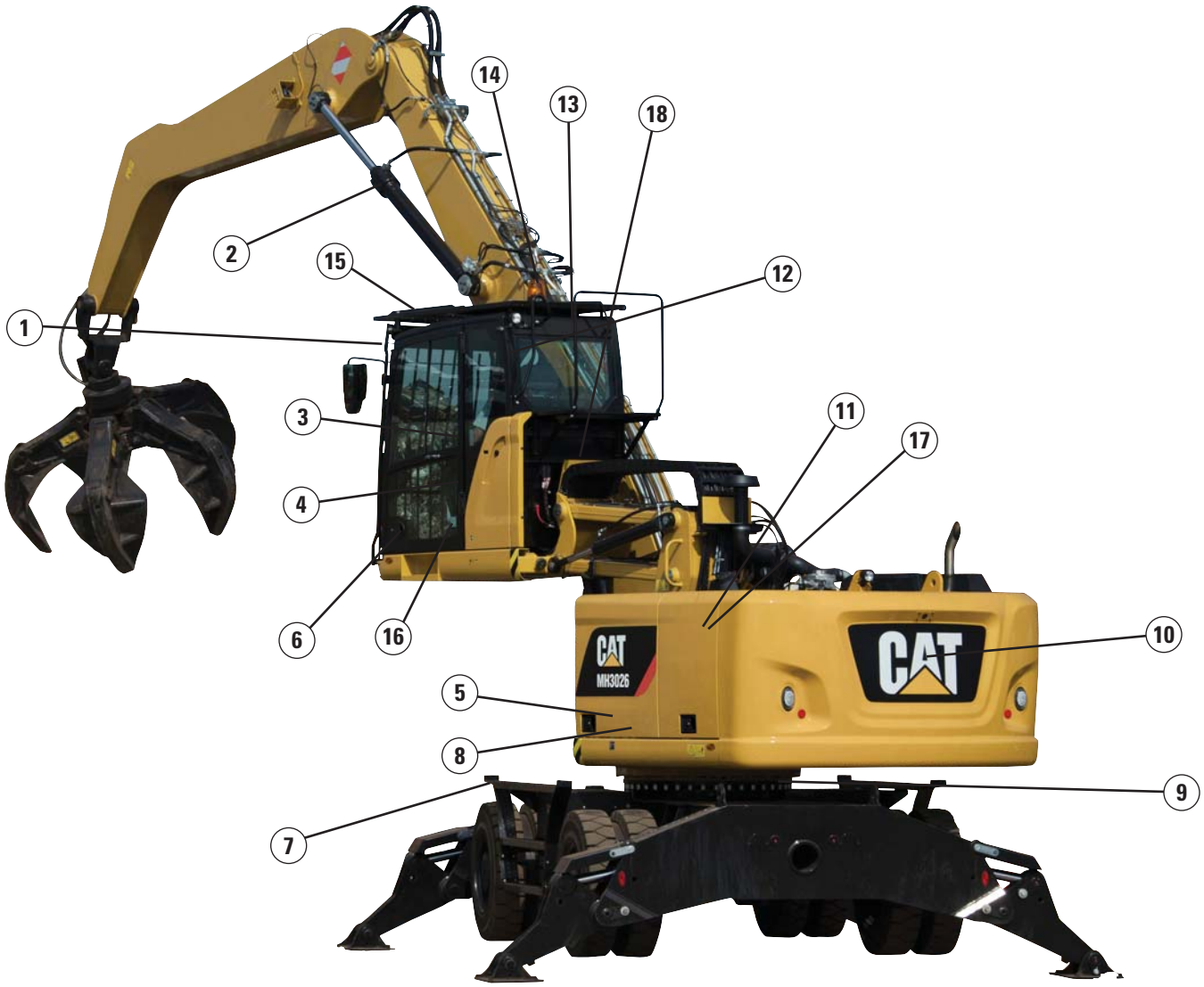
Smart embedded devices help enforce safe behavior:

- Safety seat belt and warning indicators (monitor)
- Automatic swing lock
- Automatic brake and axle lock
- Safety lever, preventing exit when the implements are not locked out
- Secondary shut off switch and battery disconnect switch
- Travel alarm
- Lowering check valves
- Quick coupler control switch, ISO 13031 compliant

Cab Ingress

We bring a solution to allow you to safely climb into the cab:

- Three long access steps, aligned with the cab entry
- Additional step integrated into the skirt, directly below the cab door
- Anti-skid plates on all walkways and steps reducing slipping hazards
- Tiltable console to make sure the way in and out is free of obstacles
- **NEW!** Direct access to the cab when it is not aligned with the chassis through optional steps on the front and rear of the undercarriage.



1) *Laminated windshield and skylight window*
2) *Lowering check valves*
3) *Safety seat belt indicator*
4) *Safety lever*
5) *Emergency shut-off switch*
6) *Automatic brake and axle lock*
7) *Punched, anti-slippery walking surfaces*
8) *Battery disconnect switch*
9) *Swing and implement electronic lock*
10) *Adjustable travel alarm*
11) *All doors equipped with gas strut cylinders*
12) *Emergency hammer and exit*
13) *Sound proofing*
14) *Beacon available*
15) *TOPS cab and top/front guards compatibility*
16) *Safety lever to lower the cab, either from the ground or directly from the cab*
17) *Foldable service platform*
18) *Advanced Cab Filtration System (optional)*

Safety Options for Specific Applications

- **Impact Resistant One-Piece Windshield and skylight**, 10 mm thick, fulfills EN356 P5A standards.
- **High Impact Resistant fixed Windshield (two-parts) and skylight**, 26 mm thick, fulfills EN356 P8B standards.
- **Advanced Cab Filtration System** – A cab filtration package reduces dust entry and air contamination. It includes:
  - an integrated air pre-cleaner, which also extends filters life
  - a fresh air filtration system with H13 and ABEK1 Hg filters against odor and gas
  - a recirculation filtration system, with a H13 filter

MH3026 Wheel Material Handler Specifications

Engine

Engine Model	Cat C7.1 ACERT [1]	
Ratings	1,700 rpm	
Engine Gross Power (Maximum)		
ISO 14396	129.4 kW	174 hp
ISO 14396 (metric)		176 hp (PS)
Net Power (Rated) [2]		
ISO 9249/SAE J1349	126 kW	169 hp
ISO 9249/SAE J1349 (metric)		171 hp (PS)
80/1269/EEC	126 kW	169 hp
Net Power (Maximum)		
ISO 9249/SAE J1349	126 kW	169 hp
ISO 9249/SAE J1349 (metric)		171 hp (PS)
80/1269/EEC	126 kW	
Bore	105 mm	
Stroke	135 mm	
Displacement	7.01 L	
Maximum Torque at 1,400 rpm	830 N·m	
Number of Cylinders	6	

[1] Meets Stage IV emission standards.
[2] Rated speed 1,550 rpm. Constant power from 1,500-1,550 rpm.
- Net power advertised is the power available at the flywheel when engine is equipped with air cleaner, CEM exhaust gas aftertreatment, alternator, and cooling fan running at intermediate speed.
- No derating required up to 3000 m altitude. Automatic derating occurs after 3000 m.

Transmission

Forward/Reverse	
1st Gear	8.0 km/h
2nd Gear	25.0 km/h
Creeper Speed	
1st Gear	3.0 km/h
2nd Gear	8.0 km/h
Drawbar Pull	125 kN
Maximum Gradeability at 25 000 kg	60.0%

Swing Mechanism

Maximum Swing Speed	8.8 rpm
Maximum Swing Torque	59.6 kN·m

Undercarriage

Axle Ground Clearance*	325 mm
Maximum Steering Angle	35.0°
Oscillation Axle Angle	±5.0°
Minimum Turning Radius**	
Outside of Tire	6800 mm
End of VA Boom	7800 mm
End of One-Piece Boom	9300 mm
End of MH Boom (with 5.9 m drop nose stick)	9800 mm

*Dimension for standard and MH undercarriage. For machines fitted with 11.00-20 pneumatic tires, add 35 mm.
**Boom and sticks in travel position.

Service Refill Capacities

Fuel Tank (total capacity)	420 L
Diesel Exhaust Fluid Tank	34.5 L
Cooling System	46.9 L
Engine Crankcase	18.5 L
Rear Axle Housing (differential)	14 L
Front Steering Axle (differential)	10.5 L
Final Drive	2.5 L
Powershift Transmission	2.5 L

MH3026 Wheel Material Handler Specifications

Weights

Operating Weights*	24 315 kg-26 150 kg
MH Boom (6.4 m)	
MH Undercarriage 2.75 m, 4800 mm Straight Stick	25 690 kg
MH Undercarriage 2.75 m, 4900 mm Drop Nose Stick	25 225 kg
MH Undercarriage 2.75 m, 5500 mm Drop Nose Stick	25 345 kg
MH Undercarriage 2.75 m, 5900 mm Drop Nose Stick	25 275 kg
MH Undercarriage 2.99 m, 4800 mm Straight Stick	26 150 kg
MH Undercarriage 2.99 m, 5900 mm Drop Nose Stick	25 770 kg
Standard Undercarriage**, 4800 mm Straight Stick	25 040 kg
One-Piece Boom	
Standard Undercarriage**, 2900 mm Stick	24 315 kg
VA Boom	
Standard Undercarriage**, 2900 mm Stick	24 880 kg
Sticks***	
Digging (2500 mm)	1005 kg
Digging (2900 mm)	1085 kg
Straight (4800 mm)	1420 kg
Drop Nose (4900 mm)	955 kg
Drop Nose (5500 mm)	1075 kg
Drop Nose (5900 mm)	1115 kg
MH Push Blade (2.75 m)	705 kg
MH Push Blade (2.99 m)	745 kg
Dozer Blade	850 kg
Solid Tires (delta vs. standard tires)	950 kg
Counterweight	5200 kg

*Operating weight includes solid tires, 5200 kg counterweight, full fuel tank, operator, four outriggers undercarriage, attachment (1400 kg). Weight varies depending on configuration.

**Standard undercarriage with blade, one set of outriggers and dual pneumatic tires.

***Includes cylinder, bucket linkage, pins and standard hydraulic lines.

Hydraulic System

Tank Capacity	200 L
System	365 L

Hydraulic System: Maximum Pressure

Implement Circuit	
Normal	350 bar
Heavy Lift	370 bar
Travel Circuit	350 bar
Auxiliary Circuit	
High Pressure	350 bar
Medium Pressure	210 bar
Swing Mechanism	340 bar

Hydraulic System: Maximum Flow

Implement/Travel Circuit	340 L/min
Auxiliary Circuit	
High Pressure	250 L/min
Medium Pressure	49 L/min
Swing Mechanism	118 L/min

Tires

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

Push Blade

Blade Type	Radial
Blade Height	920 mm
Width	2750 mm/2990 mm

MH3026 Wheel Material Handler Specifications

Emissions and Safety

Engine Emissions	Stage IV
Diesel Exhaust Fluid	Must meet ISO 22241
Fluids (optional)	
Cat Bio HYDO Advanced	Readily biodegradable
	EU Flower eco-label certified
Bio Diesel up to B20	Meets EN 14214 or ASTM D6751 with EN590 or ASTM D975 standard mineral diesel fuels
Vibration Levels	
Maximum Hand/Arm	
ISO 5349:2001	<2.5 m/s^2
Maximum Whole Body	
ISO/TR 25398:2006	<0.5 m/s^2
Seat Transmissibility Factor	
ISO 7096:2000-spectral class EM5	<0.7

Air Conditioning System

The air conditioning system on this machine contains the fluorinated greenhouse gas refrigerant R134a (Global Warming Potential = 1430). The system contains 1.15 kg of refrigerant which has a CO_2 equivalent of 1.645 metric tonnes.

Standards

Operator Protective Structure	
Top/Front Guards	FOPS (Falling Object Protective Structure) meets FOPS criteria ISO 10262:1998 and SAE J1356:2008
Cab/Sound Levels	Meets appropriate standards as listed below

Sound Performance

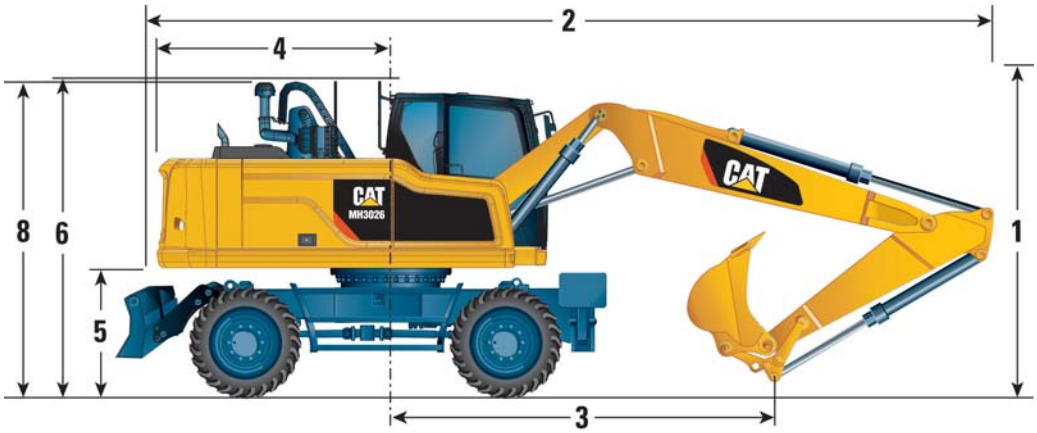
Operator Sound	
ISO 6396:2008	71 dB(A)
Spectator Sound	
ISO 6395:2008	99 dB(A)*

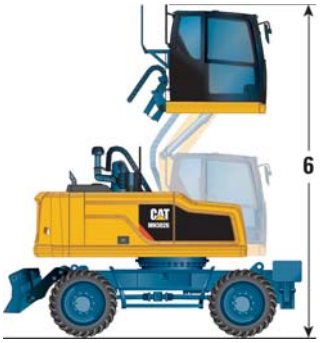
*Noise level is for a machine without the generator.

- Operator Sound – The operator sound level is measured according to the procedures specified in ISO 6396:2008, for a cab offered by Caterpillar, when properly installed and maintained and tested with the door and windows closed.
- Exterior Sound – The labeled spectator sound power level is measured according to the test procedures and conditions specified in 2000/14/EC as amended by 2005/88/EC.
- Hearing protection may be needed when operating with an open operator station and cab (when not properly maintained for doors/windows open) for extended periods or in noisy environment(s).

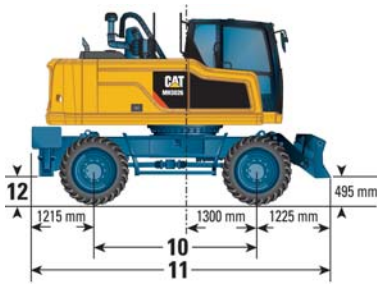
Dimensions – With Standard Undercarriage*

All dimensions are approximate.





Undercarriage with 1 set of outriggers and dozer blade



		Variable Adjustable Boom		One-Piece Boom	
Boom Length	mm	**5490**		**5650**	
Stick Type		**Straight**	**Straight**	**Straight**	**Straight**
Stick Length	mm	**2500**	**2900**	**2500**	**2900**
1 Shipping Height with Falling Object Guard (highest point between boom and cab)	mm	3375			
2 Shipping Length	mm	9555	9540	9710	9720
3 Support Point	mm	3755	3525	3720	3445
4 Tail Swing Radius	mm	2825			
5 Counterweight Clearance	mm	1310			
6 Cab Height with Hydraulic Cab Riser					
Cab Lowered – No Falling Object Guard	mm	3245			
Cab Lowered – with Falling Object Guard	mm	3375			
Cab Raised – with Falling Object Guard	mm	5775			
Cab Raised – No Falling Object Guard	mm	5645			
7 Overall Machine Width					
Width with Outriggers on Ground	mm	3930			
Width Over Tires with Outriggers Up	mm	2750			
Width with Blade	mm	2750			
8 Height of Tray Group Flex	mm	3360			
9 Maximum Outriggers Depth	mm	120			
10 Wheel Base	mm	2750			
11 Undercarriage Length					
With 1 Set of Outriggers and Dozer Blade Raised	mm	5190			
12 Undercarriage Clearance	mm	325			

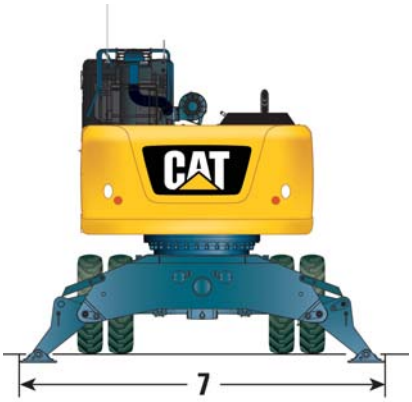
*Standard undercarriage with dozer blade and 1 set of outriggers and dual pneumatic tires.

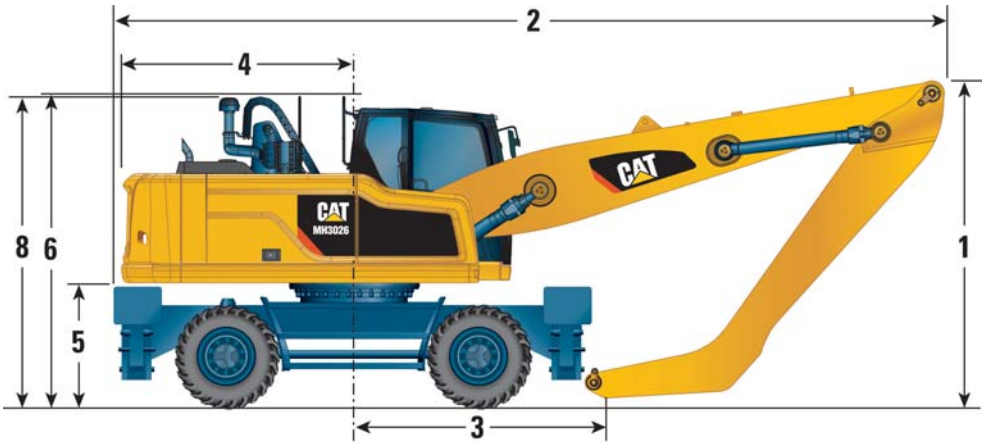
Note: Values are with 11.00-20 pneumatic tires. For machines fitted with solid tires, all vertical dimensions have to be reduced by 35 mm. For dimension 3 add 35 mm.

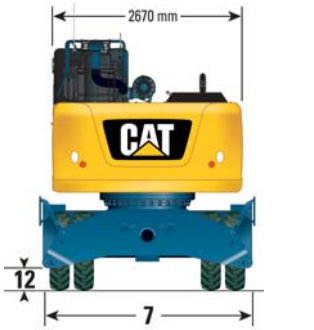
MH3026 Wheel Material Handler Specifications

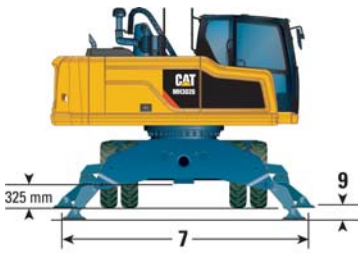
Dimensions – With MH Undercarriage

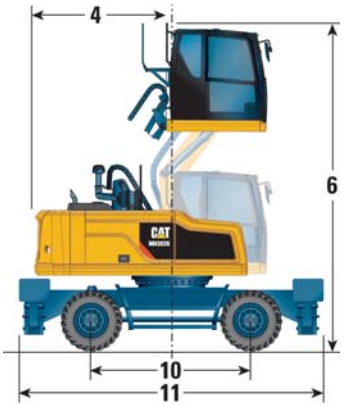
All dimensions are approximate.

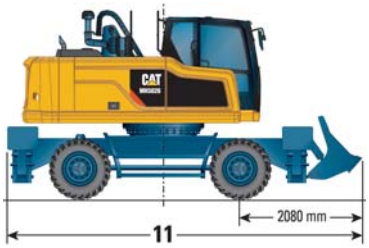












		MH Undercarriage 2.75 m				MH Undercarriage 2.99 m			
Boom Type/Length		MH Boom/6800 mm				MH Boom/6800 mm			
Stick Type		Straight	Drop Nose	Drop Nose	Drop Nose	Straight	Drop Nose	Drop Nose	Drop Nose
Stick Length	mm	**4800**	**4900**	**5500**	**5900**	**4800**	**4900**	**5500**	**5900**
1 Shipping Height with Falling Object Guard (highest point between boom and cab)	mm	3340	3600	3400	5285	3340	3600	3400	5285
2 Shipping Length	mm	10 090	10 040	10 080	9520	10 090	10 040	10 080	9520
3 Support Point	mm	3085	3225	2430	3060	3085	3225	2430	3060
4 Tail Swing Radius	mm	2825							
5 Counterweight Clearance	mm	1275							
6 Cab Height with Hydraulic Cab Riser									
Cab Lowered – No Falling Object Guard	mm	3210							
Cab Lowered – with Falling Object Guard	mm	3340							
Cab Raised – with Falling Object Guard	mm	5740							
Cab Raised – No Falling Object Guard	mm	5610							
7 Overall Machine Width									
Width with Outriggers on Ground	mm	4080				4360			
Width with Outriggers Up	mm	2740				2990			
Width with the Special Front Push Blade	mm	2750				2990			
8 Height of Tray Group Flex	mm	3325							
9 Maximum Outriggers Depth	mm	120				90			
10 Wheel Base	mm	2750							
11 Undercarriage Length	mm	5250							
With MH Undercarriage Front Push Blade	mm	6080							
12 Undercarriage Clearance	mm	245							

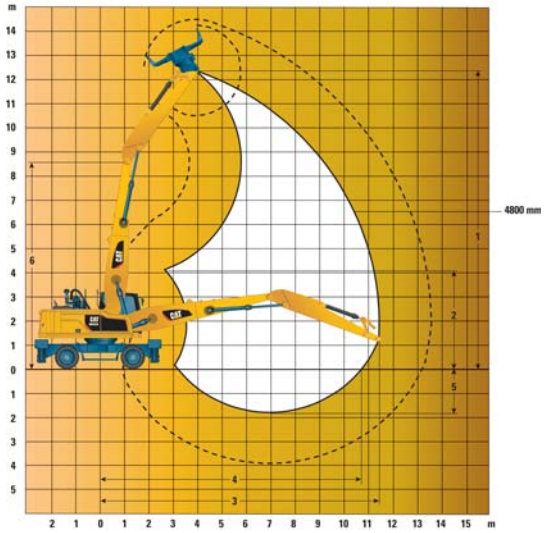
When the shipping height is over 4 m, the stick must be removed for transportation.

Note: Values are with solid tires. For machine fitted with 11.00-20 pneumatic tires and MH Undercarriage all vertical dimensions have to be increased by 35 mm. For dimension 9 reduce by 35 mm.

Working Ranges

MH undercarriage figures calculated with solid tires.

1



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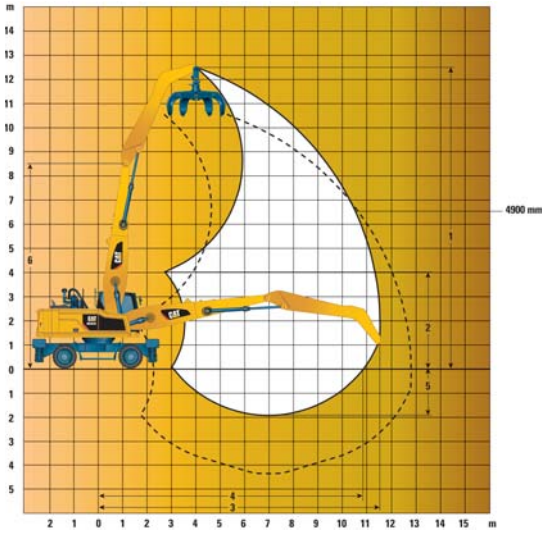

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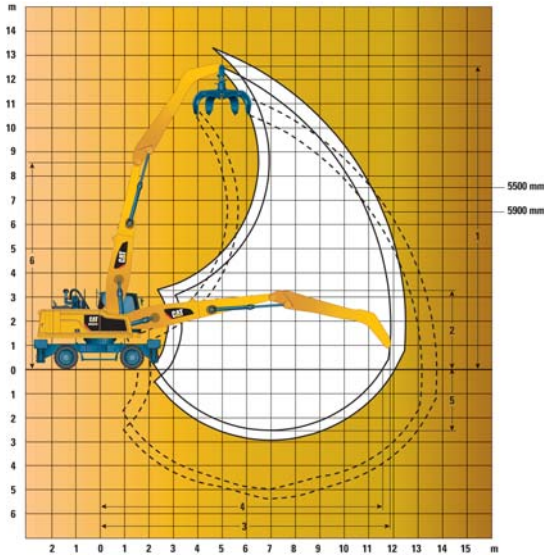
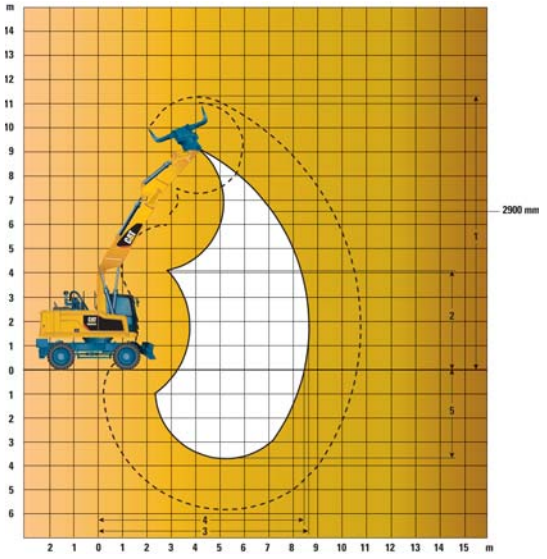


4



		1	2	3		4
		MH Undercarriage MH2.75 m and MH2.99 m				Standard Undercarriage
Boom Type/Length		MH Boom/6800 mm				Variable Adjustable Boom
Stick Length	mm	**4800**	**4900**	**5500**	**5900**	**2900**
Stick Type		**Straight**	**Drop Nose**	**Drop Nose**	**Drop Nose**	**Straight**
1 Maximum Height	mm	12 425	12 505	12 605	13 300	9220
2 Minimum Dump Height	mm	4120	4025	3290	3090	4135
3 Maximum Reach	mm	11 435	11 530	11 910	12 485	8675
4 Maximum Reach at Ground Level	mm	10 720	10 850	—	12 050	8470
5 Maximum Depth	mm	1825	1920	2525	2925	4965
6 Boom Pin Height	mm	8620				NA

All dimensions refer to stick nose pin.

MH3026 Wheel Material Handler Specifications

Work Tool Offering Guide*

Undercarriage		Standard (2.75 m) 2 Sets Outriggers Lowered								MH (2.75 m) 2 Sets Outriggers Lowered								MH (2.99 m) 2 Sets Outriggers Lowered							
Boom Type		One-Piece Boom		VA Boom		MH Boom (6.8 m)				One-Piece Boom		VA Boom		MH Boom (6.8 m)				One-Piece Boom		VA Boom		MH Boom (6.8 m)			
Stick Length		2500 mm	2900 mm	2500 mm	2900 mm	4800 mm[1]	4900 mm[2]	5500 mm[2]	5900 mm[2]	2500 mm	2900 mm	2500 mm	2900 mm	4800 mm[1]	4900 mm[2]	5500 mm[2]	5900 mm[2]	2500 mm	2900 mm	2500 mm	2900 mm	4800 mm[1]	4900 mm[2]	5500 mm[2]	5900 mm[2]
Material Handling Work Tools																									
Demolition and Sorting Grapple	G315 GC																								
	G315B-D/R																								
	G315B-D/R fixed CAN																								
	G315B-WH 800 L																								
	G315B-WH 1100 L																								
Orange Peel Grapple Horizontal Cylinders (4 or 5 Tines)	GSH15B 400 L	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
	GSH15B 500 L	1.8	1.8	1.8	1.8	1.2	1.8	1.8	1.2	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
	GSH15B 600 L	1.8	1.8	1.8	1.8	1.2	1.2	1.2		1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
	GSH15B 800 L	1.8	1.2	1.8	1.2		1.2			1.8	1.2	1.8	1.2	1.8	1.8	1.8	1.2	1.8	1.2	1.8	1.2	1.8	1.8	1.8	1.2
	GSH420/GSH520 500 L	1.8	1.8	1.8	1.8	1.2	1.8	1.8	1.2	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
	GSH420/GSH520 600 L	1.8	1.8	1.8	1.8	1.2	1.8	1.2	1.2	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
	GSH420/GSH520 750 L	1.8	1.2	1.8	1.2		1.2	1.2		1.8	1.2	1.8	1.2	1.8	1.8	1.8	1.8	1.8	1.2	1.8	1.2	1.8	1.8	1.8	1.8
Orange Peel Grapple Vertical Cylinders (5 Tines)	GSV520/GSV520GC 400 L	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
	GSV520/GSV520GC 500 L	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
	GSV520/GSV520GC 600 L	1.8	1.8	1.8	1.8	1.2	1.8	1.8	1.2	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
	GSV520/GSV520GC 750 L	1.8	1.8	1.8	1.2		1.2	1.2		1.8	1.8	1.8	1.2	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.2	1.8	1.8	1.8	1.8
Clamshell Grapple	CTV15 1000 L	1.8	1.2	1.8	1.2		1.2			1.8	1.2	1.8	1.2	1.2	1.8	1.8	1.2	1.8	1.2	1.8	1.2	1.8	1.8	1.8	1.8
	CTV15 1200 L	1.2		1.2						1.2		1.2		1.2	1.2	1.2	1.2	1.2		1.2		1.2	1.8	1.2	1.2
	CTV15 1500 L														1.2							1.2	1.2	1.2	
	CTV15 1700 L																						1.2		
Material Density		1.2 [T/m³] (less dense material)/1.8 [T/m³] (standard material)																							
Demolition Work Tools																									
Scrap and Demolition Shear	S320B																								
	S325B																								
	S340B																								
Compactor Plate	CVP75																								
Pin Grabber Coupler	Cat-PG	These couplers are available for the MH3026 (linkage stick).																							
Dedicated Quick Coupler	CW-30																								
	CW-30s																								

[1] Straight Stick

[2] Drop Nose Stick

- Work tool is a match
- Pin-on or dedicated coupler
- Pin-on only
- Boom mount
- Over the front only
- Not recommended

*Offerings not available in all areas. Matches are dependent on Wheeled Excavator configurations. Consult your Cat dealer to determine what is offered in your area and for proper work tool match.

Fixed CAN: CW quick coupler adapter plates

Demolition and Sorting Grapple: D – Demolition shells; R – Recycling shells; WH – Waste Handling

Note: GSH425/GSH525 will be available only 2nd half of 2018.

Lift Capacities

All values are in kg, bucket cylinder and linkage installed, work tool: none, hydraulic cab riser, MH undercarriages, with counterweight (5200 kg), heavy lift on.

Load point height | Load over front | Load over rear | Load over side | Load at maximum reach (stick nose/bucket pin)

Undercarriages
MH (2.75 m and 2.99 m)

Boom
6.8 m MH

Stick
4.8 m Straight

	Undercarriage configuration	4500 mm			6000 mm			7500 mm			9000 mm			10 500 mm						mm
12 000 mm	MH (2.99 m) – stabilizers raised – solid tires	*8800	*8800	7900													*7750	*7750	6700	4970
	MH (2.99 m) – stabilizers lowered – solid tires	*8800	*8800	*8800													*7750	*7750	*7750	
	MH (2.75 m) – stabilizers raised – solid tires	*8800	*8800	7900													*7750	*7750	6650	
	MH (2.75 m) – stabilizers lowered – solid tires	*8800	*8800	*8800													*7750	*7750	*7750	
10 500 mm	MH (2.99 m) – stabilizers raised – solid tires				6800	6800	5150										4750	4750	3550	7350
	MH (2.99 m) – stabilizers lowered – solid tires				*8850	*8850	*8850										*6150	*6150	*6150	
	MH (2.75 m) – stabilizers raised – solid tires				6800	6800	5150										4750	4750	3550	
	MH (2.75 m) – stabilizers lowered – solid tires				*8850	*8850	*8850										*6150	*6150	*6150	
9000 mm	MH (2.99 m) – stabilizers raised – solid tires				6950	6950	5300	4700	4700	3550							3450	3450	2550	8860
	MH (2.99 m) – stabilizers lowered – solid tires				*9000	*9000	*9000	*7700	*7700	7350							*5550	*5550	5450	
	MH (2.75 m) – stabilizers raised – solid tires				6900	6900	5250	4700	4700	3550							3450	3450	2550	
	MH (2.75 m) – stabilizers lowered – solid tires				*9000	*9000	*9000	*7700	*7700	6800							*5550	*5550	5000	
7500 mm	MH (2.99 m) – stabilizers raised – solid tires				6900	6900	5250	4700	4700	3550	3400	3400	2500				2800	2800	2050	9910
	MH (2.99 m) – stabilizers lowered – solid tires				*9050	*9050	*9050	*7700	*7700	7350	6600	6600	5350				*5200	*5200	4500	
	MH (2.75 m) – stabilizers raised – solid tires				6850	6850	5250	4700	4700	3550	3400	3400	2500				2800	2800	2050	
	MH (2.75 m) – stabilizers lowered – solid tires				*9050	*9050	*9050	*7700	*7700	6800	6600	6600	4950				*5200	*5200	4150	
6000 mm	MH (2.99 m) – stabilizers raised – solid tires				6700	6700	5050	4600	4600	3450	3350	3350	2500	2500	2500	1800	2450	2450	1750	10 640
	MH (2.99 m) – stabilizers lowered – solid tires				*9400	*9400	*9400	*7850	*7850	7250	6600	6600	5300	5050	5050	4050	4900	4900	3950	
	MH (2.75 m) – stabilizers raised – solid tires				6700	6700	5050	4600	4600	3450	3350	3350	2500	2500	2500	1800	2450	2450	1750	
	MH (2.75 m) – stabilizers lowered – solid tires				*9400	*9400	*9400	*7850	*7850	6650	6550	6550	4900	5000	5000	3700	4900	4900	3650	
4500 mm	MH (2.99 m) – stabilizers raised – solid tires	10 200	10 200	7550	6350	6350	4750	4450	4450	3300	3250	3250	2400	2500	2500	1750	2200	2200	1550	11 120
	MH (2.99 m) – stabilizers lowered – solid tires	*12 850	*12 850	*12 850	*9900	*9900	*9900	*8050	*8050	7050	6450	6450	5200	5000	5000	4050	4550	4550	3650	
	MH (2.75 m) – stabilizers raised – solid tires	10 200	10 200	7500	6350	6350	4750	4450	4450	3300	3250	3250	2400	2500	2500	1750	2200	2200	1550	
	MH (2.75 m) – stabilizers lowered – solid tires	*12 850	*12 850	*12 850	*9900	*9900	9400	*8050	*8050	6450	6450	6450	4800	5000	5000	3700	4500	4500	3350	
3000 mm	MH (2.99 m) – stabilizers raised – solid tires	9300	9300	6750	5950	5950	4400	4200	4200	3100	3150	3150	2250	2400	2400	1700	2100	2100	1450	11 380
	MH (2.99 m) – stabilizers lowered – solid tires	*14 100	*14 100	*14 100	*10 400	*10 400	9800	*8200	*8200	6800	6350	6350	5100	4950	4950	3950	4300	4300	3450	
	MH (2.75 m) – stabilizers raised – solid tires	9300	9300	6700	5950	5950	4350	4200	4200	3100	3150	3150	2250	2400	2400	1700	2100	2100	1450	
	MH (2.75 m) – stabilizers lowered – solid tires	*14 100	*14 100	*14 100	*10 400	*10 400	8900	*8200	*8200	6250	6300	6300	4650	4900	4900	3650	4300	4300	3150	
1500 mm	MH (2.99 m) – stabilizers raised – solid tires	8450	8450	5950	5550	5550	4000	4000	4000	2900	3000	3000	2150	2350	2350	1650	2050	2050	1400	11 430
	MH (2.99 m) – stabilizers lowered – solid tires	*14 450	*14 450	*14 450	*10 500	*10 500	9300	*8150	*8150	6550	6200	6200	4950	4850	4850	3900	*4000	*4000	3400	
	MH (2.75 m) – stabilizers raised – solid tires	8450	8450	5950	5550	5550	4000	4000	4000	2850	3000	3000	2150	2350	2350	1650	2050	2050	1400	
	MH (2.75 m) – stabilizers lowered – solid tires	*14 450	*14 450	13 600	*10 500	*10 500	8450	*8150	*8150	6000	6150	6150	4550	4850	4850	3550	*4000	*4000	3100	
0 mm	MH (2.99 m) – stabilizers raised – solid tires	7950	7950	5500	5250	5250	3700	3800	3800	2700	2900	2900	2050	2300	2300	1600				
	MH (2.99 m) – stabilizers lowered – solid tires	*9550	*9550	*9550	*9900	*9900	8950	*7650	*7650	6350	*6000	*6000	4850	*4450	*4450	3850				
	MH (2.75 m) – stabilizers raised – solid tires	7950	7950	5500	5250	5250	3700	3800	3800	2700	2900	2900	2050	2300	2300	1600				
	MH (2.75 m) – stabilizers lowered – solid tires	*9550	*9550	*9550	*9900	*9900	8100	*7650	*7650	5800	*6000	*6000	4400	*4450	*4450	3500				
–1500 mm	MH (2.99 m) – stabilizers raised – solid tires				5100	5100	3550	3700	3700	2600										
	MH (2.99 m) – stabilizers lowered – solid tires				*8450	*8450	*8450	*6600	*6600	6250										
	MH (2.75 m) – stabilizers raised – solid tires				5050	5050	3550	3700	3700	2600										
	MH (2.75 m) – stabilizers lowered – solid tires				*8450	*8450	7950	*6600	*6600	5650										

*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.

MH3026 Wheel Material Handler Specifications

Lift Capacities

All values are in kg, work tool: none, hydraulic cab riser, MH undercarriages, with counterweight (5200 kg), heavy lift on.

Load point height | Load over front | Load over rear | Load over side | Load at maximum reach (stick nose/bucket pin)

Undercarriages
MH (2.75 m and 2.99 m)

Boom
6.8 m MH

Stick
4.9 m MH (drop nose)

		4500 mm			6000 mm			7500 mm			9000 mm			10 500 mm						
	Undercarriage configuration																			**mm**
12 000 mm	MH (2.99 m) – stabilizers raised – solid tires																*7800	*7800	6550	5190
	MH (2.99 m) – stabilizers lowered – solid tires																*7800	*7800	*7800	
	MH (2.75 m) – stabilizers raised – solid tires																*7800	*7800	6550	
	MH (2.75 m) – stabilizers lowered – solid tires																*7800	*7800	*7800	
10 500 mm	MH (2.99 m) – stabilizers raised – solid tires				7150	7150	5500	4900	4900	3800							4900	4900	3750	7500
	MH (2.99 m) – stabilizers lowered – solid tires				*9150	*9150	*9150	*6300	*6300	*6300							*6300	*6300	*6300	
	MH (2.75 m) – stabilizers raised – solid tires				7100	7100	5500	4900	4900	3750							4900	4900	3750	
	MH (2.75 m) – stabilizers lowered – solid tires				*9150	*9150	*9150	*6300	*6300	*6300							*6300	*6300	*6300	
9000 mm	MH (2.99 m) – stabilizers raised – solid tires				7250	7250	5600	5050	5050	3900							3700	3700	2850	8980
	MH (2.99 m) – stabilizers lowered – solid tires				*9250	*9250	*9250	*8050	*8050	7700							*5700	*5700	5650	
	MH (2.75 m) – stabilizers raised – solid tires				7200	7200	5600	5050	5050	3900							3700	3700	2850	
	MH (2.75 m) – stabilizers lowered – solid tires				*9250	*9250	*9250	*8050	*8050	7100							*5700	*5700	5250	
7500 mm	MH (2.99 m) – stabilizers raised – solid tires				7200	7200	5550	5050	5050	3900	3750	3750	2850				3100	3100	2350	10 020
	MH (2.99 m) – stabilizers lowered – solid tires				*9300	*9300	*9300	*8000	*8000	7700	6950	6950	5700				*5400	*5400	4750	
	MH (2.75 m) – stabilizers raised – solid tires				7150	7150	5550	5050	5050	3900	3750	3750	2850				3100	3100	2350	
	MH (2.75 m) – stabilizers lowered – solid tires				*9300	*9300	*9300	*8000	*8000	7100	6950	6950	5250				*5400	*5400	4400	
6000 mm	MH (2.99 m) – stabilizers raised – solid tires				7000	7000	5400	4950	4950	3800	3700	3700	2850	2850	2850	2150	2750	2750	2050	10 740
	MH (2.99 m) – stabilizers lowered – solid tires				*9700	*9700	*9700	*8200	*8200	7550	6900	6900	5650	5400	5400	4400	5200	5200	4250	
	MH (2.75 m) – stabilizers raised – solid tires				7000	7000	5400	4950	4950	3800	3700	3700	2800	2850	2850	2150	2750	2750	2050	
	MH (2.75 m) – stabilizers lowered – solid tires				*9700	*9700	*9700	*8200	*8200	7000	6900	6900	5250	5350	5350	4050	5150	5150	3900	
4500 mm	MH (2.99 m) – stabilizers raised – solid tires	10 550	10 550	7900	6700	6700	5100	4800	4800	3650	3600	3600	2750	2850	2850	2100	2550	2550	1900	11 220
	MH (2.99 m) – stabilizers lowered – solid tires	*13 100	*13 100	*13 100	*10 250	*10 250	*10 250	*8400	*8400	7400	6800	6800	5550	5350	5350	4350	4800	4800	3950	
	MH (2.75 m) – stabilizers raised – solid tires	10 500	10 500	7850	6700	6700	5100	4800	4800	3650	3600	3600	2750	2850	2850	2100	2550	2550	1900	
	MH (2.75 m) – stabilizers lowered – solid tires	*13 100	*13 100	*13 100	*10 250	*10 250	9700	*8400	*8400	6800	6800	6800	5150	5350	5350	4050	4800	4800	3650	
3000 mm	MH (2.99 m) – stabilizers raised – solid tires	9750	9750	7150	6350	6350	4750	4600	4600	3450	3500	3500	2650	2750	2750	2050	2400	2400	1800	11 470
	MH (2.99 m) – stabilizers lowered – solid tires	*14 450	*14 450	*14 450	*10 800	*10 800	10 150	*8600	*8600	7150	6700	6700	5450	5300	5300	4300	4600	4600	3750	
	MH (2.75 m) – stabilizers raised – solid tires	9700	9700	7150	6350	6350	4750	4550	4550	3450	3500	3500	2650	2750	2750	2050	2400	2400	1800	
	MH (2.75 m) – stabilizers lowered – solid tires	*14 450	*14 450	*14 450	*10 800	*10 800	9300	*8600	*8600	6600	6650	6650	5000	5250	5250	4000	4600	4600	3500	
1500 mm	MH (2.99 m) – stabilizers raised – solid tires	8950	8950	6450	5950	5950	4400	4350	4350	3250	3400	3400	2500	2700	2700	2000	2350	2350	1750	11 520
	MH (2.99 m) – stabilizers lowered – solid tires	*14 950	*14 950	*14 950	*10 950	*10 950	9750	*8600	*8600	6950	6550	6550	5300	5200	5200	4250	*4400	*4400	3700	
	MH (2.75 m) – stabilizers raised – solid tires	8950	8950	6400	5950	5950	4400	4350	4350	3250	3400	3400	2500	2700	2700	2000	2350	2350	1750	
	MH (2.75 m) – stabilizers lowered – solid tires	*14 950	*14 950	14 100	*10 950	*10 950	8850	*8600	*8600	6350	6550	6550	4900	5200	5200	3900	*4400	*4400	3400	
0 mm	MH (2.99 m) – stabilizers raised – solid tires	8450	8450	6000	5650	5650	4150	4200	4200	3100	3300	3300	2400	2650	2650	1950				
	MH (2.99 m) – stabilizers lowered – solid tires	*10 200	*10 200	*10 200	*10 450	*10 450	9400	*8150	*8150	6750	6450	6450	5200	*4950	*4950	4200				
	MH (2.75 m) – stabilizers raised – solid tires	8450	8450	6000	5650	5650	4150	4200	4200	3100	3300	3300	2400	2650	2650	1950				
	MH (2.75 m) – stabilizers lowered – solid tires	*10 200	*10 200	*10 200	*10 450	*10 450	8550	*8150	*8150	6200	6400	6400	4800	*4950	*4950	3850				
–1500 mm	MH (2.99 m) – stabilizers raised – solid tires				5500	5500	4000	4100	4100	3000										
	MH (2.99 m) – stabilizers lowered – solid tires				*9050	*9050	*9050	*7150	*7150	6600										
	MH (2.75 m) – stabilizers raised – solid tires				5500	5500	4000	4100	4100	3000										
	MH (2.75 m) – stabilizers lowered – solid tires				*9050	*9050	8350	*7150	*7150	6050										

*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, work tool: none, hydraulic cab riser, MH undercarriages, with counterweight (5200 kg), heavy lift on.

Load point height | Load over front | Load over rear | Load over side | Load at maximum reach (stick nose/bucket pin)

Undercarriages
MH (2.75 m and 2.99 m)

Boom
6.8 m MH

Stick
5.5 m MH (drop nose)

	Undercarriage configuration	3000 mm			4500 mm			6000 mm			7500 mm			9000 mm			10 500 mm						mm
10 500 mm	MH (2.99 m) – stabilizers raised – solid tires										5050	5050	3900							4450	4450	3400	8080
	MH (2.99 m) – stabilizers lowered – solid tires										*6400	*6400	*6400							*5300	*5300	*5300	
	MH (2.75 m) – stabilizers raised – solid tires										5050	5050	3900							4450	4450	3400	
	MH (2.75 m) – stabilizers lowered – solid tires										*6400	*6400	*6400							*5300	*5300	*5300	
9000 mm	MH (2.99 m) – stabilizers raised – solid tires										5150	5150	4000	3800	3800	2900				3450	3450	2600	9470
	MH (2.99 m) – stabilizers lowered – solid tires										*7700	*7700	*7700	*5950	*5950	5750				*4900	*4900	*4900	
	MH (2.75 m) – stabilizers raised – solid tires										5150	5150	4000	3750	3750	2900				3450	3450	2600	
	MH (2.75 m) – stabilizers lowered – solid tires										*7700	*7700	7200	*5950	*5950	5300				*4900	*4900	4850	
7500 mm	MH (2.99 m) – stabilizers raised – solid tires										5150	5150	3950	3800	3800	2900				2900	2900	2200	10 460
	MH (2.99 m) – stabilizers lowered – solid tires										*7700	*7700	*7700	*6800	*6800	5750				*4700	*4700	4450	
	MH (2.75 m) – stabilizers raised – solid tires										5100	5100	3950	3800	3800	2900				2900	2900	2200	
	MH (2.75 m) – stabilizers lowered – solid tires										*7700	*7700	7200	*6800	*6800	5350				*4700	*4700	4150	
6000 mm	MH (2.99 m) – stabilizers raised – solid tires							7150	7150	5500	5000	5000	3850	3750	3750	2850	2900	2900	2150	2600	2600	1950	11 150
	MH (2.99 m) – stabilizers lowered – solid tires							*9200	*9200	*9200	*7900	*7900	7650	*6850	*6850	5700	5400	5400	4450	*4650	*4650	4000	
	MH (2.75 m) – stabilizers raised – solid tires							7150	7150	5500	5000	5000	3850	3750	3750	2850	2900	2900	2150	2600	2600	1900	
	MH (2.75 m) – stabilizers lowered – solid tires							*9200	*9200	*9200	*7900	*7900	7100	*6850	*6850	5300	5400	5400	4100	*4650	*4650	3700	
4500 mm	MH (2.99 m) – stabilizers raised – solid tires							6850	6850	5250	4850	4850	3700	3650	3650	2750	2850	2850	2100	2400	2400	1750	11 610
	MH (2.99 m) – stabilizers lowered – solid tires							*9800	*9800	*9800	*8150	*8150	7450	6850	6850	5600	5350	5350	4400	4550	4550	3700	
	MH (2.75 m) – stabilizers raised – solid tires							6850	6850	5250	4850	4850	3700	3650	3650	2750	2850	2850	2100	2400	2400	1750	
	MH (2.75 m) – stabilizers lowered – solid tires							*9800	*9800	*9800	*8150	*8150	6900	6850	6850	5150	5350	5350	4050	4550	4550	3450	
3000 mm	MH (2.99 m) – stabilizers raised – solid tires	20 100	20 100	13 850	10 000	10 000	7400	6450	6450	4850	4600	4600	3500	3500	3500	2650	2750	2750	2050	2250	2250	1650	11 860
	MH (2.99 m) – stabilizers lowered – solid tires	*20 800	*20 800	*20 800	*13 850	*13 850	*13 850	*10 450	*10 450	10 300	*8450	*8450	7200	6700	6700	5450	5250	5250	4300	4350	4350	3550	
	MH (2.75 m) – stabilizers raised – solid tires	20 100	20 100	13 800	10 000	10 000	7400	6450	6450	4850	4600	4600	3500	3500	3500	2650	2750	2750	2050	2250	2250	1650	
	MH (2.75 m) – stabilizers lowered – solid tires	*20 800	*20 800	*20 800	*13 850	*13 850	*13 850	*10 450	*10 450	9450	*8450	*8450	6650	6700	6700	5050	5250	5250	3950	4350	4350	3300	
1500 mm	MH (2.99 m) – stabilizers raised – solid tires	*6450	*6450	*6450	9100	9100	6600	6000	6000	4450	4400	4400	3250	3350	3350	2500	2700	2700	1950	2200	2200	1600	11 910
	MH (2.99 m) – stabilizers lowered – solid tires	*6450	*6450	*6450	*14 800	*14 800	*14 800	*10 850	*10 850	9800	*8550	*8550	6950	6550	6550	5300	5200	5200	4200	4300	4300	3500	
	MH (2.75 m) – stabilizers raised – solid tires	*6450	*6450	*6450	9100	9100	6550	6000	6000	4450	4350	4350	3250	3350	3350	2500	2700	2700	1950	2200	2200	1600	
	MH (2.75 m) – stabilizers lowered – solid tires	*6450	*6450	*6450	*14 800	*14 800	14 300	*10 850	*10 850	8950	*8550	*8550	6400	6550	6550	4900	5150	5150	3900	4300	4300	3200	
0 mm	MH (2.99 m) – stabilizers raised – solid tires	*4500	*4500	*4500	8500	8500	6000	5650	5650	4100	4200	4200	3050	3250	3250	2400	2600	2600	1900				
	MH (2.99 m) – stabilizers lowered – solid tires	*4500	*4500	*4500	*13 950	*13 950	*13 950	*10 650	*10 650	9400	*8300	*8300	6700	6400	6400	5150	5100	5100	4150				
	MH (2.75 m) – stabilizers raised – solid tires	*4500	*4500	*4500	8450	8450	6000	5650	5650	4100	4150	4150	3050	3250	3250	2400	2600	2600	1900				
	MH (2.75 m) – stabilizers lowered – solid tires	*4500	*4500	*4500	*13 950	*13 950	13 550	*10 650	*10 650	8550	*8300	*8300	6150	6400	6400	4750	5100	5100	3800				
–1500 mm	MH (2.99 m) – stabilizers raised – solid tires				8150	8150	5700	5450	5450	3900	4050	4050	2950	3150	3150	2300							
	MH (2.99 m) – stabilizers lowered – solid tires				*10 550	*10 550	*10 550	*9600	*9600	9150	*7550	*7550	6550	*5900	*5900	5050							
	MH (2.75 m) – stabilizers raised – solid tires				8150	8150	5700	5450	5450	3900	4050	4050	2950	3150	3150	2300							
	MH (2.75 m) – stabilizers lowered – solid tires				*10 550	*10 550	*10 550	*9600	*9600	8300	*7550	*7550	6000	*5900	*5900	4650							

*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.

MH3026 Wheel Material Handler Specifications

Lift Capacities

All values are in kg, work tool: none, hydraulic cab riser, MH undercarriages, with counterweight (5200 kg), heavy lift on.

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

Undercarriages
MH (2.75 m and 2.99 m)

Boom
6.8 m MH

Stick
5.9 m MH (drop nose)

		3000 mm		4500 mm		6000 mm		7500 mm		9000 mm		10 500 mm		12 000 mm				
	Undercarriage configuration																	**mm**
12 000 mm	MH (2.99 m) – stabilizers raised – solid tires					7200	5550									5400	4150	7090
	MH (2.99 m) – stabilizers lowered – solid tires					*7450	*7450									*5700	*5700	
	MH (2.75 m) – stabilizers raised – solid tires					7200	5550									5400	4150	
	MH (2.75 m) – stabilizers lowered – solid tires					*7450	*7450									*5700	*5700	
10 500 mm	MH (2.99 m) – stabilizers raised – solid tires							5150	4000							3800	2900	8910
	MH (2.99 m) – stabilizers lowered – solid tires							*7250	*7250							*4950	*4950	
	MH (2.75 m) – stabilizers raised – solid tires							5150	4000							3800	2900	
	MH (2.75 m) – stabilizers lowered – solid tires							*7250	7250							*4950	*4950	
9000 mm	MH (2.99 m) – stabilizers raised – solid tires							5200	4050	3850	2950					3050	2300	10 180
	MH (2.99 m) – stabilizers lowered – solid tires							*7450	*7450	*6700	5800					*4550	*4550	
	MH (2.75 m) – stabilizers raised – solid tires							5200	4050	3850	2950					3050	2300	
	MH (2.75 m) – stabilizers lowered – solid tires							*7450	7300	*6700	5400					*4550	4350	
7500 mm	MH (2.99 m) – stabilizers raised – solid tires							5200	4050	3850	2950	2950	2200			2650	1950	11 110
	MH (2.99 m) – stabilizers lowered – solid tires							*7500	*7500	*6650	5800	5450	4500			*4350	4050	
	MH (2.75 m) – stabilizers raised – solid tires							5200	4050	3850	2950	2950	2200			2650	1950	
	MH (2.75 m) – stabilizers lowered – solid tires							*7500	7250	*6650	5400	5450	4150			*4350	3750	
6000 mm	MH (2.99 m) – stabilizers raised – solid tires							5100	3950	3800	2900	2900	2200			2350	1750	11 760
	MH (2.99 m) – stabilizers lowered – solid tires							*7700	*7700	*6750	5750	5450	4450			*4300	3700	
	MH (2.75 m) – stabilizers raised – solid tires							5100	3950	3800	2900	2900	2200			2350	1750	
	MH (2.75 m) – stabilizers lowered – solid tires							*7700	7150	*6750	5350	5450	4150			*4300	3400	
4500 mm	MH (2.99 m) – stabilizers raised – solid tires					6950	5350	4900	3750	3700	2800	2850	2150	2250	1650	2200	1600	12 200
	MH (2.99 m) – stabilizers lowered – solid tires					*9500	*9500	*8000	7550	*6850	5650	5400	4400	4350	3550	4200	3450	
	MH (2.75 m) – stabilizers raised – solid tires					6950	5350	4900	3750	3650	2800	2850	2150	2250	1650	2200	1600	
	MH (2.75 m) – stabilizers lowered – solid tires					*9500	*9500	*8000	6950	*6850	5200	5400	4100	4350	3250	4200	3200	
3000 mm	MH (2.99 m) – stabilizers raised – solid tires			10 250	7600	6550	4950	4700	3550	3550	2650	2800	2050	2250	1650	2100	1500	12 430
	MH (2.99 m) – stabilizers lowered – solid tires			*13 350	*13 350	*10 250	*10 250	*8350	7300	6750	5500	5300	4300	4300	3500	4050	3300	
	MH (2.75 m) – stabilizers raised – solid tires			10 250	7600	6550	4950	4650	3550	3550	2650	2750	2050	2200	1650	2100	1500	
	MH (2.75 m) – stabilizers lowered – solid tires			*13 350	*13 350	*10 250	9550	*8350	6700	6750	5050	5300	4000	4300	3250	4050	3050	
1500 mm	MH (2.99 m) – stabilizers raised – solid tires			9300	6750	6100	4550	4450	3300	3400	2500	2700	2000	2200	1600	2050	1500	12 480
	MH (2.99 m) – stabilizers lowered – solid tires			*14 600	*14 600	*10 750	9900	*8500	7000	6550	5350	5200	4250	4250	3450	4000	3250	
	MH (2.75 m) – stabilizers raised – solid tires			9300	6750	6100	4550	4400	3300	3400	2500	2700	2000	2200	1600	2050	1500	
	MH (2.75 m) – stabilizers lowered – solid tires			*14 600	14 550	*10 750	9050	*8500	6450	6550	4900	5200	3900	4250	3200	4000	3000	
0 mm	MH (2.99 m) – stabilizers raised – solid tires	*4050	*4050	8600	6100	5700	4150	4200	3100	3250	2400	2600	1900	2150	1550			
	MH (2.99 m) – stabilizers lowered – solid tires	*4050	*4050	*14 600	*14 600	*10 750	9450	*8400	6750	6400	5200	5100	4150	*4000	3400			
	MH (2.75 m) – stabilizers raised – solid tires	*4050	*4050	8550	6100	5700	4150	4200	3100	3250	2400	2600	1900	2150	1550			
	MH (2.75 m) – stabilizers lowered – solid tires	*4050	*4050	*14 600	13 700	*10 750	8600	*8400	6200	6400	4750	5100	3800	*4000	3150			
–1500 mm	MH (2.99 m) – stabilizers raised – solid tires			8200	5750	5450	3950	4050	2950	3150	2300	2550	1850					
	MH (2.99 m) – stabilizers lowered – solid tires			*10 400	*10 400	*9950	9150	*7750	6550	*6150	5050	*4750	4100					
	MH (2.75 m) – stabilizers raised – solid tires			8150	5700	5450	3900	4050	2950	3150	2300	2550	1850					
	MH (2.75 m) – stabilizers lowered – solid tires			*10 400	*10 400	*9950	8300	*7750	6000	*6150	4650	*4750	3750					

*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, bucket cylinder and linkage installed, work tool: none, hydraulic cab riser, excavator undercarriages with pneumatic tires, with counterweight (5200 kg), heavy lift on.

Load point height | Load over front | Load over rear | Load over side | Load at maximum reach (stick nose/bucket pin)

Undercarriages Excavator

Boom VA

Stick 2.9 m

Load point height	Undercarriage configuration	3000 mm			4500 mm			6000 mm			7500 mm			Load at maximum reach			mm
9000 mm	Front stabilizer and rear dozer raised				*4200	*4200	*4200							*4150	*4150	*4150	4510
	Front stabilizer and rear dozer lowered				*4200	*4200	*4200							*4150	*4150	*4150	
	Front dozer and rear stabilizer raised				*4200	*4200	*4200							*4150	*4150	*4150	
	Front dozer and rear stabilizer lowered				*4200	*4200	*4200							*4150	*4150	*4150	
7500 mm	Front stabilizer and rear dozer raised							*5100	*5100	4900				*3100	*3100	*3100	6410
	Front stabilizer and rear dozer lowered							*5100	*5100	*5100				*3100	*3100	*3100	
	Front dozer and rear stabilizer raised							*5100	*5100	4900				*3100	*3100	*3100	
	Front dozer and rear stabilizer lowered							*5100	*5100	*5100				*3100	*3100	*3100	
6000 mm	Front stabilizer and rear dozer raised							*6300	*6300	4950	*3150	*3150	*3150	*2750	*2750	*2750	7540
	Front stabilizer and rear dozer lowered							*6300	*6300	*6300	*3150	*3150	*3150	*2750	*2750	*2750	
	Front dozer and rear stabilizer raised							*6300	6150	4950	*3150	*3150	*3150	*2750	*2750	*2750	
	Front dozer and rear stabilizer lowered							*6300	*6300	*6300	*3150	*3150	*3150	*2750	*2750	*2750	
4500 mm	Front stabilizer and rear dozer raised				*7850	*7850	7400	6500	6150	4750	4550	4300	3350	*2600	*2600	*2600	8230
	Front stabilizer and rear dozer lowered				*7850	*7850	*7850	*6800	*6800	*6800	*5600	*5600	5050	*2600	*2600	*2600	
	Front dozer and rear stabilizer raised				*7850	*7850	7400	6700	5950	4750	4700	4150	3350	*2600	*2600	*2600	
	Front dozer and rear stabilizer lowered				*7850	*7850	*7850	*6800	*6800	*6800	*5600	*5600	5200	*2600	*2600	*2600	
3000 mm	Front stabilizer and rear dozer raised				9650	9000	6800	6200	5850	4500	4400	4200	3200	*2600	*2600	2550	8590
	Front stabilizer and rear dozer lowered				*10 000	*10 000	*10 000	*7300	*7300	6950	*5800	*5800	4950	*2600	*2600	*2600	
	Front dozer and rear stabilizer raised				9950	8700	6800	6400	5650	4500	4550	4050	3200	*2600	*2600	2550	
	Front dozer and rear stabilizer lowered				*10 000	*10 000	*10 000	*7300	*7300	7150	*5800	*5800	5050	*2600	*2600	*2600	
1500 mm	Front stabilizer and rear dozer raised				9050	8350	6250	5950	5600	4250	4300	4050	3100	*2650	*2650	2450	8670
	Front stabilizer and rear dozer lowered				*11 400	*11 400	10 200	*7950	*7950	6650	*6100	*6100	4800	*2650	*2650	*2650	
	Front dozer and rear stabilizer raised				9350	8100	6250	6150	5400	4250	4450	3900	3100	*2650	*2650	2450	
	Front dozer and rear stabilizer lowered				*11 400	*11 400	10 600	*7950	*7950	6850	*6100	*6100	4950	*2650	*2650	*2650	
0 mm	Front stabilizer and rear dozer raised				8700	8050	5950	5700	5350	4050	4150	3950	3000	*2850	*2850	2500	8470
	Front stabilizer and rear dozer lowered				*11 750	*11 750	9850	*8500	*8500	6450	*6450	*6450	4700	*2850	*2850	*2850	
	Front dozer and rear stabilizer raised				9000	7750	5950	5900	5200	4050	4300	3800	3000	*2850	*2850	2500	
	Front dozer and rear stabilizer lowered				*11 750	*11 750	10 200	*8500	*8500	6650	*6450	*6450	4800	*2850	*2850	*2850	
–1500 mm	Front stabilizer and rear dozer raised	*9450	*9450	*9450	8600	7950	5850	5600	5300	3950	4150	3900	2950	*3250	*3250	2750	7980
	Front stabilizer and rear dozer lowered	*9450	*9450	*9450	*10 950	*10 950	9750	*8100	*8100	6350	*6000	*6000	4650	*3250	*3250	*3250	
	Front dozer and rear stabilizer raised	*9450	*9450	*9450	8900	7650	5850	5800	5100	3950	4300	3750	2950	*3250	*3250	2750	
	Front dozer and rear stabilizer lowered	*9450	*9450	*9450	*10 950	*10 950	10 100	*8100	*8100	6550	*6000	*6000	4800	*3250	*3250	*3250	
–3000 mm	Front stabilizer and rear dozer raised				8650	8000	5900	5650	5300	4000							
	Front stabilizer and rear dozer lowered				*9150	*9150	*9150	*6750	*6750	6400							
	Front dozer and rear stabilizer raised				8950	7750	5900	5850	5150	4000							
	Front dozer and rear stabilizer lowered				*9150	*9150	*9150	*6750	*6750	6550							

*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. Lift capacity is calculated with VA cylinder completely extracted.

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

MH3026 Wheel Material Handler Specifications

Lift Capacities

All values are in kg, bucket cylinder and linkage installed, work tool: none, hydraulic cab riser, excavator undercarriages with pneumatic tires, with counterweight (5200 kg), heavy lift on.

Load point height | Load over front | Load over rear | Load over side | Load at maximum reach (stick nose/bucket pin)

Undercarriages
Excavator

Boom
One-Piece

Stick
2.9 m

Load point height	Undercarriage configuration	3000 mm			4500 mm			6000 mm			7500 mm			Load at maximum reach			mm
		Load over front		Load over side	Load over front		Load over side	Load over front		Load over side	Load over front		Load over side	Load over front		Load over side	
7500 mm	Front stabilizer and rear dozer raised													*3050	*3050	*3050	6560
	Front stabilizer and rear dozer lowered													*3050	*3050	*3050	
	Front dozer and rear stabilizer raised													*3050	*3050	*3050	
	Front dozer and rear stabilizer lowered													*3050	*3050	*3050	
6000 mm	Front stabilizer and rear dozer raised										*3850	*3850	3400	*2750	*2750	*2750	7660
	Front stabilizer and rear dozer lowered										*3850	*3850	*3850	*2750	*2750	*2750	
	Front dozer and rear stabilizer raised										*3850	*3850	3400	*2750	*2750	*2750	
	Front dozer and rear stabilizer lowered										*3850	*3850	*3850	*2750	*2750	*2750	
4500 mm	Front stabilizer and rear dozer raised							6450	6100	4750	4550	4300	3350	*2650	*2650	*2650	8340
	Front stabilizer and rear dozer lowered							*6550	*6550	*6550	*5850	*5850	5050	*2650	*2650	*2650	
	Front dozer and rear stabilizer raised							*6550	5900	4750	4700	4150	3350	*2650	*2650	*2650	
	Front dozer and rear stabilizer lowered							*6550	*6550	*6550	*5850	*5850	5200	*2650	*2650	*2650	
3000 mm	Front stabilizer and rear dozer raised				9550	8900	6750	6200	5850	4500	4400	4200	3250	*2650	*2650	2550	8690
	Front stabilizer and rear dozer lowered				*9850	*9850	*9850	*7400	*7400	6900	*6200	*6200	4950	*2650	*2650	*2650	
	Front dozer and rear stabilizer raised				*9850	8600	6750	6350	5650	4500	4550	4050	3250	*2650	*2650	2550	
	Front dozer and rear stabilizer lowered				*9850	*9850	*9850	*7400	*7400	7100	*6200	*6200	5050	*2650	*2650	*2650	
1500 mm	Front stabilizer and rear dozer raised				8950	8350	6250	5900	5550	4250	4250	4050	3100	*2800	*2800	2450	8770
	Front stabilizer and rear dozer lowered				*11 400	*11 400	10 150	*8200	*8200	6600	*6550	*6550	4800	*2800	*2800	*2800	
	Front dozer and rear stabilizer raised				9250	8050	6250	6100	5350	4250	4400	3900	3100	*2800	*2800	2450	
	Front dozer and rear stabilizer lowered				*11 400	*11 400	10 500	*8200	*8200	6800	*6550	*6550	4900	*2800	*2800	*2800	
0 mm	Front stabilizer and rear dozer raised				8650	8050	5950	5700	5400	4050	4150	3950	3000	*3050	*3050	2500	8580
	Front stabilizer and rear dozer lowered				*11 850	*11 850	9800	*8550	*8550	6400	*6650	*6650	4700	*3050	*3050	*3050	
	Front dozer and rear stabilizer raised				8950	7750	5950	5900	5200	4050	4300	3800	3000	*3050	*3050	2500	
	Front dozer and rear stabilizer lowered				*11 850	*11 850	10 150	*8550	*8550	6600	*6650	*6650	4800	*3050	*3050	*3050	
–1500 mm	Front stabilizer and rear dozer raised	*9250	*9250	*9250	8600	7950	5900	5600	5300	4000	4150	3900	2950	*3500	*3500	2700	8100
	Front stabilizer and rear dozer lowered	*9250	*9250	*9250	*11 250	*11 250	9750	*8300	*8300	6350	*6300	*6300	4650	*3500	*3500	*3500	
	Front dozer and rear stabilizer raised	*9250	*9250	*9250	8900	7700	5900	5800	5100	4000	4300	3750	2950	*3500	3400	2700	
	Front dozer and rear stabilizer lowered	*9250	*9250	*9250	*11 250	*11 250	10 100	*8300	*8300	6500	*6300	*6300	4750	*3500	*3500	*3500	
–3000 mm	Front stabilizer and rear dozer raised	*13 200	*13 200	11 050	8650	8000	5950	5650	5300	4000				*4350	4150	3150	7260
	Front stabilizer and rear dozer lowered	*13 200	*13 200	*13 200	*9750	*9750	*9750	*7250	*7250	6350				*4350	*4350	*4350	
	Front dozer and rear stabilizer raised	*13 200	*13 200	11 050	8950	7750	5950	5850	5100	4000				*4350	4000	3150	
	Front dozer and rear stabilizer lowered	*13 200	*13 200	*13 200	*9750	*9750	*9750	*7250	*7250	6550				*4350	*4350	*4350	
–4500 mm	Front stabilizer and rear dozer raised				*6850	*6850	6150										
	Front stabilizer and rear dozer lowered				*6850	*6850	*6850										
	Front dozer and rear stabilizer raised				*6850	*6850	6150										
	Front dozer and rear stabilizer lowered				*6850	*6850	*6850										

*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.

Standard Equipment

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

ELECTRICAL

- Alternator, 115A
- Heavy Duty maintenance free batteries
- Lighting
  - Boom and stick LED working light
  - One LED light on the counterweight for the rear camera, and one on the right for the sideview camera
  - Cab LED interior dome light
  - Roading lights two front, halogen
  - Roading lights two rear, LED
  - Working LED lights, cab mounted (two front and one rear), compatible with Falling Objects Guards)
- Main shut-off switch
- Signal/warning horn

ENGINE

- Cat C7.1 ACERT Technology engine meets Stage IV emission standards
- Aftertreatment technologies including the Cat Clean Emission Module (Cat CEM) package
- Air filter
- 3000 m altitude capability without de-rate
- Automatic engine speed control (AESC), including One Touch Low Idle
- Engine Idle Shutdown (EIS)
- Automatic starting aid
- Fuel filter
- Fuel/water separator with water in fuel switch
- 48° C ambient cooling capability without de-rate
- Power mode selector
- Electric fuel priming pump
- Capability of running with biodiesel fuel (B20)

HYDRAULICS

- Adjustable hydraulic sensitivity
- Cat XT™-6 ES hoses
- Control circuits (standard and optional, depending on boom/stick/linkage choice):
  - Medium pressure
    - Two-way, medium pressure circuit, for rotating or tilting of attachments
- Heavy lift mode
- Load-sensing hydraulic system
- Oil cooler
- Quick disconnect couplings
- Separate swing pump
- Electric Pump Control (EPC)
- Boom Lowering Check Valve (BLCV), including overload warning device
- Stick Lowering Check Valve (SLCV)

OPERATOR STATION

- Additional color monitor for cameras, split-screen display for both cameras' view
- Adjustable armrests
- Air conditioner, heater and defroster with automatic climate control
- Beverage cup/can holder
- Bolt-on top/front guards capability
- Bottle holder
- Bottom mounted, intermittent (four speeds), parallel wiping system, covering upper and lower windshield glass
- CD/MP3 radio (12V) including speakers and 12V converter
- Coat hook
- Cruise control system
- Floor mat, washable, with storage compartment
- Fully adjustable suspension seat
- Hydraulic cab riser
- Instrument panel and gauges, full graphic and color display
  - Information and warning messages in local language
  - Gauges for fuel and DEF levels, 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
- Interior LED lighting with door switch
- Joysticks, pilot operated with one proportional slider
- Laminated front windshield
- Left side console, tiltable, with lock out for all controls
- Cigarette lighter (24V)
- Literature holder in right console
- Mobile phone holder
- Parking brake
- Pin code type engine start prevention, integrated into the monitor
- Power supply, 12V-10A
- Rear window (tempered glass)/emergency exit, with hammer
- Retractable seat belt, integrated into the seat
- Seat belt indicator and alarm
- Skylight, laminated glass
- Sliding door windows
- Steering column, adjustable angle and height
- Step, integrated into the skirt
- Storage area suitable for a lunch box
- Sunshade for windshield and skylight
- Safety lever, integrated into the left console
- Sealed cab, with positive filtered, variable speed ventilation

Continued on next page

Standard Equipment *(continued)*

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

UNDERCARRIAGE

- Automatic brake and axle lock
- Electronic swing and travel lock
- Creeper speed
- Four wheel drive
- Heavy-duty axles, advanced travel motor, adjustable braking force and disc brake system
- Oscillating front axle, lockable, with remote greasing point
- Steps, wide, left and right
- Tool boxes, left and right, in undercarriage
- Two-speed hydrostatic transmission
- One-piece drive shaft, with 1,000 hours greasing intervals

OTHER EQUIPMENT

- Auto-lube system (implements and swing gear)
- Automatic swing brake
- Capability to add auxiliary hydraulic circuit
- Cooling package, fine mesh screen and engine air precleaner
- Cat Electronic Technician capability (ET)
- Counterweight, 5200 kg
- Door locks and cap locks with Cat one-key security system
- Mirrors, wide angle, frame and cab
- Product Link
- Cameras
  - Rear mounted wide angle camera, integrated into the counterweight
  - Right side wide angle camera, mounted on the cooling hood.
- S·O·S℠ Quick Sampling valves for engine oil, hydraulic oil and coolant
- Engine emergency shutoff switch
- Spacer rings for tires

Optional Equipment

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

AUXILIARY CONTROLS AND LINES

- Auxiliary boom and stick lines
- Control circuits (standard and optional, depending on boom/stick/linkage choice):
  - Tool control/multi function
    - One/two-way high pressure for hammer application or opening and closing of an attachment
    - Programmable flow and pressure for up to 10 work tools – selection via monitor
  - Quick coupler circuits and lines for hydraulic quick coupler (both Cat pin grabber and dedicated/CW quick couplers, controlled by a dedicated switch)
- SmartBoom

HYDRAULICS

- Cat BIO HYDO Advanced HEES biodegradable hydraulic oil

FRONT LINKAGE

- VA boom (5490 mm):
  - Straight stick (2500, 2900 mm)
- One-Piece boom (5650 mm):
  - Straight stick (2500, 2900 mm)
- Material Handling boom (6800 mm):
  - Drop nose MH stick (4900, 5500 or 5900 mm)
  - Straight MH stick (4800 mm)

ELECTRICAL

- Adjustable travel alarm
- Rotating beacon
- Generator, 15 kW

OPERATOR STATION

- Top/front guards
- Joystick steering
- Advanced joysticks with two proportional sliders
- High pressure auxiliary pedal
- Seat, adjustable back, with vertical and horizontal air-suspension and head rest
  - Automatic weight adjustment, mechanical lumbar support, passive climate system, seat cushion length/angle adjustment and heated seat (Comfort)
  - Automatic height and weight adjustment, active climate system, premium microfiber seat fabric, pneumatic lumbar support, seat cushion length and angle adjustment and adjustable dampening, heated and ventilated (Deluxe)
- Visor for rain protection
- Windshield
  - One-piece, impact resistant, laminated windshield and skylight (EN356 P5A, 10 mm)
  - 70/30 split, openable – two-parts split, fixed, high impact resistant, laminated windshield and skylight (EN356 P8B, 26 mm)
- Mirrors, electrically adjustable and heated, frame and cab

TIRES

- Dual pneumatic 11.00-20
- Dual solid rubber, 10.00-20

UNDERCARRIAGE

- MH undercarriage (2.75 m or 2.99 m wide) with four welded outriggers
- MH undercarriage (2.75 m or 2.99 m wide) with four welded outriggers and front mounted blade
- Standard undercarriage, with outriggers (front and/or rear), dozer blade (front or rear)
- Easy Cab Access Package, front
- Easy Cab Access Package, rear

OTHER EQUIPMENT

- Bucket linkages
- Cat Machine Security System
- Hydraulic quick coupler
- Maximum speed 20 km/h or 25 km/h*
- Refueling pump with dedicated tray for the hose
- Waste Handling Package, adds a reversing fan and vibrating grill to the cooling protection package
- Advanced Cab Filtration System
- Attachments (see pages 26-27)

*25 km/h not compatible with solid tires

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

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